

IMMEDIATE RESPONSE ACTION PLAN

FORMER AEROVOX FACILITY
740 BELLEVILLE AVENUE
NEW BEDFORD, MA
RTN 4-0601

Prepared for

AVX Corporation
801 17th Avenue South
Myrtle Beach, SC 29578

June 2014



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Acronyms and Abbreviations

LIST OF ACRONYMS & ABBREVIATIONS

ACO	Administrative Consent Order (MassDEP-AVX Agreement)
AOC	Administrative Order on Consent (EPA-AVX Agreement)
AST	Aboveground Storage Tank
AVX	AVX Corporation
bgs	below ground surface
COCs	Constituents of Concern
CVOC	Chlorinated Volatile Organic Compound
DNAPL	Dense Non-Aqueous Phase Liquid
EPA	United States. Environmental Protection Agency
IRA	Immediate Response Action
LSP	Licensed Site Professional
MassDEP	Massachusetts Department of Environmental Protection
MCP	Massachusetts Contingency Plan
MHW	Mean High Water
MIP	Membrane Interface Probe
MM	Monitoring and Maintenance
OHM	Oil and Hazardous Material
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene or Perchloroethene
PID	Photoionization Detector
ppm	parts per million
RTN	Release Tracking Number
TCE	Trichloroethene
TSS	Total suspended solids
UCL	Upper Concentration Limit
URS	URS Corporation

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1.0 INTRODUCTION

On behalf of AVX Corporation (AVX), URS Corporation (URS) has prepared this *Immediate Response Action Plan* (IRA Plan) for the disposal site known as the former Aerovox Facility (Site) located at 740 Belleville Avenue in New Bedford, Massachusetts. The Release Tracking Number (RTN) for the Site and for the IRA is 4-0601. This IRA Plan is being submitted to address the presence of dense non-aqueous phase liquid (DNAPL) at a measured thickness greater than ½-inch in monitoring well MW-15D, a site condition that requires implementation of an IRA in accordance with the Massachusetts Contingency Plan (MCP), 310 CMR 40.0412

The Site assessment and remediation under Massachusetts General Law Chapter 21E and the MCP is subject to the Administrative Consent Order and Notice of Responsibility (ACO) between AVX and the Massachusetts Department of Environmental Protection (MassDEP) and the Massachusetts Office of the Attorney General, effective as of June 3, 2010 (ACO-SE-09-3P-016).

2.0 RELEVANT CONTACTS (310 CMR 40.0424(A))

The property is owned by the City of New Bedford, Massachusetts (the City). Contact information for the City's representative is as follows:

Ms. Michelle Paul
Director of Environmental Stewardship
City of New Bedford
133 Williams Street, Room 304
New Bedford, MA 02740
Phone Number: 508-991-6188

The person assuming responsibility for conducting IRA activities is:

Mr. Evan Slavitt
AVX Corporation
801 17th Avenue South, P.O. Box 867
Myrtle Beach, SC 29578
Phone Number: 843-946-0614

The Licensed Site Professional (LSP) for the site is:

Ms. Marilyn Wade, LSP No. 4315
URS Corporation
1155 Elm Street, Suite 401
Manchester, NH 03101
Phone Number: 603-606-4824

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3.0 DISPOSAL SITE DESCRIPTION

3.1 SITE INFORMATION

The Disposal Site is located at 740 Belleville Avenue, Bristol County, New Bedford, Massachusetts. **Figure 1**, Site Location Plan, shows the Site location with respect to the surrounding topography and features. The coordinates of the Site (referenced to the corner of Belleville Avenue and Hadley Street) are latitude 41° 40' 25.12" N and longitude 70° 55' 13.84" W (UTM coordinates 340135.53m E and 4615326.34m N).

The Disposal Site at the time it was tier classified (and at the time the ACO became effective) was defined as the Aerovox property (Property) which encompasses approximately 10.3 acres and has the following boundaries:

- The northern boundary of the Property is the existing Aerovox northern property line which is located approximately in the middle of Graham Street, a private alley that lies between Aerovox and a factory operated by Precix, Inc.
- The southern boundary of the Property is the existing Aerovox southern property line which is located approximately in the middle of Hadley Street, a private street that lies between Aerovox and a factory operated by Acushnet Company (Titleist).
- The western boundary of the Property is the existing Aerovox western property line along Belleville Avenue, and
- The eastern boundary of the Property is the existing sheet pile wall (inclusive of the wall itself) running generally in a north-south orientation along the Acushnet River, and the line formed by the elevation of Mean High Water (MHW) where the sheet pile wall is not present.

The Property is currently a vacant, asphalt paved parking lot. The land surrounding the Property is used industrially to the south and north, and residentially to the west. The Acushnet River is immediately east of the Site. The Acushnet River and the area below MHW east of the Site is by definition the New Bedford Harbor Superfund Site, which is separate and distinct from the Disposal Site that is the subject of this IRA Plan.

3.2 SITE HISTORY

The Site formerly contained an approximately 450,000 square foot manufacturing building and associated ancillary buildings along with a parking lot located on industrially-zoned land. Originally constructed as a mill, the main building included a two story wing along Belleville Avenue and a three story wing across the north side of the Property adjacent to Graham Street. Ancillary structures included a brick sewer pump station and a brick boiler house that were located along the south side of the main manufacturing building, and a brick structure that housed electrical switching equipment that was located at the southwest corner of the main

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building. All above ground infrastructure on the Site was demolished and removed in 2011. All subsurface utilities were disconnected and filled in place, with the exception of the storm sewer system which drains the paved area, and the former septic sewer system which included a pump house vault and connecting line running to the City sewer system in Belleville Avenue. The vault was temporarily filled and covered, and the line capped and left in place. The Property has been capped with asphalt and the area that is not part of Hadley or Graham Street is secured by perimeter fencing.

4.0 DESCRIPTION OF THE RELEASE, SITE CONDITIONS, AND SURROUNDING RECEPTORS (310 CMR 40.0424(B))

4.1 DESCRIPTION OF THE RELEASE

Electrical component manufacturing began at the Site in approximately 1938. Beginning in the 1940s, use of dielectric fluid containing polychlorinated biphenyls (PCBs) in capacitor manufacturing started. It has been estimated that up to 100,000,000 pounds of PCBs were used at the Facility during Aerovox operations (EPA, 1997).

During a 1981 EPA compliance inspection of the Facility, “oil impregnated soil was observed in the culverts leading to and at both outfalls.” Culvert, as used here is believed to refer to the open drainage trenches that were formerly adjacent to the north and south sides of the building. In addition to the oily soils observed in the drainage trenches, stained soil was observed in the “backyard power substation” located between the former Aerovox building and the Acushnet River. Samples collected from the soils within the drainage ditches and in the former backyard power substation contained PCB concentrations of up to 24,000 parts per million (ppm). The backyard power substation was reportedly used for drum storage within the month prior to EPA’s collection of the samples.

In addition to the use of PCBs, Aerovox also utilized a trichloroethene (TCE) capacitor degreasing operation. Degreasing residues from the degreasing operation were stored in 55-gallon drums on a concrete floor with no secondary containment. A TCE aboveground storage tank (AST) was formerly located in the second floor of the building, just outside of the impregnation room. In addition, the TCE recovery system ASTs were located in the first floor of the building.

Operations and disposal practices involving the use of PCBs and solvents resulted in the release of hazardous substances which contributed to the contamination of soils, building materials and equipment, surface water runoff and groundwater at the Site. Inspections, assessments and sampling programs from the 1980s forward, undertaken by the former owner and operator Aerovox, Inc. as well as EPA, confirmed the presence of PCBs in soils under the concrete foundation, in soils outside the building and mixed into the asphalt parking lot, in groundwater, as well as throughout the interior of the building.

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Based on prior investigations and available reports dating back to 1983, known or presumed releases from past operations of the Facility include the following:

- Discharge of National Pollutant Discharge Elimination System water (including PCBs) to the former storm water discharge trenches located on the northern and southern side of the building (portions of which remain at the east end of the property to convey runoff from the cap);
- Contaminated soils located beneath the existing hydraulic asphalt concrete cap (from storage of drums containing wastes in this area);
- Leakage of stored virgin and waste PCB containing oils and TCE through cracks in the building foundations or ground surface;
- Possible overfills of virgin PCB containing oil and TCE to the ground surface on the northern side of the building during tank filling activities;
- Release of oil from two USTs formerly located on the south side of the building and associated contaminated soils that were not excavated due to structural concerns associated with the nitrogen cooling system pad and corrugated storm sewer;
- PCBs contained within the former parking lot asphalt;
- Infiltration of storm water formerly in contact with contaminated building materials; and
- PCB containing sediment within the catch basin/surface water runoff system.

None of these historic or potential sources is currently uncontrolled. No specific release mechanism or volume is documented; rather the release is presumed to be the result of the historic manufacturing of electrical components at the Facility over forty years of industrial activity. Releases most likely occurred from spills and improper storage of Oil and Hazardous Material (OHM). Releases to the environment including soil, groundwater, and the adjacent Acushnet River likely occurred through surface spills and through floor drains and stormwater outfall systems.

4.2 SITE CONDITIONS: PHASE II COMPREHENSIVE SITE ASSESSMENT SUMMARY

Beginning in September 2013, URS initiated Phase II Comprehensive Site Assessment (Phase II) activities as part of the site investigation and cleanup under the MCP. Activities undertaken through March 2014 include a seismic refraction survey of the Site to evaluate and estimate the depth to bedrock and contour the bedrock surface beneath the Site; a Membrane Interface Probe (MIP) survey of the northern and eastern property lines to identify areas of elevated chlorinated volatile organic compounds (CVOCs), a geoprobe investigation laid out on a 100-foot by 100 – foot grid of the site to delineate the horizontal and vertical presence of contaminants of concern (COCs), installation of additional overburden and bedrock monitoring wells to evaluate groundwater contamination, monitoring well development, and monitoring well sampling. An overall description of the Phase II work conducted to date is provided below, along with a

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discussion of the results that are specific to the IRA condition that is the subject of this IRA Plan (i.e. the presence of DNAPL in monitoring well MW-15D).

4.2.1 Geophysical Investigation

In October 2013, Hager-Richter Geoscience, Inc. (Hager-Richter) completed a seismic refraction survey at the Site for the purpose of identifying and contouring the till surface and bedrock surface beneath the Site. Hager-Richter laid out a total of ten transect lines, identified as Seismic Line 1 through Seismic Line 10. Seismic lines 1 through 4 were East-West trending transects covering the areas of the Site between the building and Acushnet River. Seismic lines 5 through 10 were North-South transects between Graham Street and Hadley Street.

According to the Hager-Richter seismic refraction survey, the depth to competent bedrock beneath the Site ranged between 5-feet to 67-feet below the ground surface, ranging in elevation from approximately 4-feet to -62 feet relative to the North American Vertical Datum of 1988 (NAVD 88). In general, Hager-Richter identified that bedrock surface elevations were highest in the western end of the Site and deepest in the eastern end of the Site. Two bedrock knobs were identified along the southern and western boundaries of the Site. The bedrock surface is reportedly gently undulating in the western half of the Site, with a steep “V” shaped downward slope to a lower area (“terrace”) in the eastern end of the Site. In addition, a bowl-shaped depression in the bedrock was identified in the eastern third of the Site, south of the former building, and a triangular shaped depression was identified along the Acushnet River in the center of the Site. Subsequent subsurface Phase II work did not fully confirm the findings of the seismic refraction survey.

4.2.2 Membrane Interface Probe

A MIP investigation was conducted along the northern and eastern property boundaries in November 2013. The purpose of the MIP investigation was to identify the presence of CVOCs in the subsurface to aid in placement of groundwater monitoring wells. Two East-West transect lines were performed. These lines were placed parallel to the former northern drainage ditch, which ran the length of the three story section of the former Aerovox building. One transect line was conducted immediately adjacent to the former drainage ditch and the second line was located approximately 40 feet north of the ditch (within 30 feet of the Titleist building footprint). Two North-South MIP transects were conducted adjacent to the Acushnet River. The easternmost transect was completed just inside the Site perimeter fence, and the second North-South transect was completed approximately 30 to 40 feet west of the first North-South transect line. Refer to **Figure 2**, Site Plan for the MIP locations.

Pertinent to this IRA Plan, MIP locations in the northeast corner of the Site included MIP-13, MIP-14, MIP-15, MIP-16, and MIP-17. The XSD logs for these MIP locations suggest potential zones of CVOC impacts at depths of approximately 13-feet to 15-feet below the ground surface

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(bgs) at MIP-13, 22-feet to 22.5-feet bgs at MIP-14, 22-feet to 29.5-feet bgs at MIP-15, 17-feet to 27-feet bgs at MIP-16, and 21-feet to 29-feet bgs at MIP-17.

4.2.3 Geoprobe Investigation

In December 2013, URS completed a geoprobe investigation at the Site. The geoprobe borings were located in the field on a 100-foot by 100 foot grid. A total of four West-East transect lines (Identified as A through D) and ten North South transect lines (identified as 1 through 10) were laid out across the Site. Refer to **Figure 2** for the location of the geoprobe soil borings.

The objectives of the geoprobe investigation were four-fold: (1) delineate the extent of PCB concentrations in soils above the MCP Upper Concentration Limit (UCL) of 100 milligrams per kilogram (mg/kg), or ppm; (2) identify potential areas of DNAPL; (3) provide a check on the bedrock elevation contour identified by the seismic refraction survey, and (4) collect soil samples from MIP locations to correlate laboratory analytical data with the MIP detector readings.

Three geoprobe borings were advanced in the northeastern area of the Site, in the vicinity of well MW-15D: B10A, MIP-15, and MIP-43. These borings were advanced to refusal, which was estimated to be approximately 28-feet bgs, 30-feet bgs, and 20-feet bgs, respectively.

Observations noted in boring B10A included a naphthalene-like odor from 12-feet to 15-feet bgs and brown to black discoloration from 15-feet to 19-feet bgs. The highest photoionization detector (PID) reading (80 ppm) was detected in the 20-feet to 25-feet interval. A soil sample was collected from approximately 23-feet bgs and submitted for analysis of CVOCs and PCBs. Soils collected from intervals from the ground surface (0-feet) to 2-feet, 3-feet to 5-feet bgs, 8-feet to 10-feet bgs, and 17-feet to 18-feet bgs were submitted for PCB analysis, and a discrete sample collected at 23-feet bgs was submitted for PCB and CVOC analysis.

Observations noted in boring MIP-15 included petroleum odor from approximately 7-feet to 8-feet bgs and the presence of DNAPL within the 20-feet to 30-feet bgs depth interval. PID readings in the boring ranged from 1.5 ppm to greater than the instrument range (15,000 ppm). Soils collected from intervals from the ground surface (0-feet) to 2-feet, 8-feet, 8-feet to 10-feet bgs, 21.5-feet to 22.5-feet, 24-feet bgs, 26-feet bgs, and 28-feet to 30-feet bgs were submitted for PCB analysis, or PCB and CVOC analysis.

No visual impacts were observed in soils obtained during advancement of MIP-43. Soil samples were collected from MIP-43 at a depth of 0-feet bgs to 2-feet bgs, and at 4-feet bgs and submitted for analysis of PCBs, or PCBs and CVOCs. The sample from 4-feet bgs was chosen to correlate to an inferred background MIP signal.

Analytical results indicate that CVOC concentrations were below the MCP Method 1 S-1/GW-3 Standards in the soil sample collected from boring B10A at 23-feet bgs. Total PCBs were

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detected at levels above the MCP Method 1 S-1/GW-3 Standard at B10A in the 0-feet to 2-feet bgs, and the 3-feet to 5-feet bgs, intervals. Total PCBs in the 3-feet to 5-feet bgs interval exceeded the MCP UCL.

For boring location MIP-15, the reported concentrations of tetrachloroethene (PCE) and TCE in the sample collected from a depth of 24-feet bgs are above their corresponding MCP Method 1 S-1/GW-3 standard. The reported concentration of TCE is also above its corresponding MCP UCL. The total PCB concentrations in the MIP-15 soil samples, with the exception of those from the 8-foot depth and 8-10 feet depth interval exceeded the UCL for PCBs.

The CVOC concentrations in the sample from boring MIP-43 were below the Method 1 S-1/GW-3 Standards. PCB concentration in the ground surface (0-feet) to 2-feet interval exceeded the Method 1 S-1/GW-3 Standard. Refer to **Table 1** for a summary of the soil analytical data, **Figure 2** for the soil boring locations, and **Appendix A** for the soil boring logs. Supporting analytical reports are attached in **Appendix B**. (Note that although the presence of DNAPL in the northeast corner of the Site is the subject of this IRA Plan, the tabulated analytical results and laboratory reports provide the results for the entire Site.)

4.2.4 Monitoring Well Installation and Development

Based on interpretation of the MIP findings, and on geoprobe soil boring observations and analytical results, a monitoring well couplet was installed adjacent to the location of boring MIP-15, including a deep overburden (top of bedrock) monitoring well (MW-15D) and a bedrock monitoring well (MW-15B). The monitoring wells were installed using 6-inch temporary casing. Soil samples were collected continuously down to bedrock using a split-spoon sampler. The 6-inch casing was driven into the peat layer and then flushed using drive and wash drilling techniques. This was followed by 5-inch temporary casing telescoped into the 6-inch casing. The casing was flushed out to the bedrock surface using drive and wash drilling techniques. The bedrock monitoring well was advanced into the bedrock using a 4-inch roller bit to create a socket to seat the permanent 4-inch casing in competent bedrock. The 4-inch casing was grouted into place at a depth of 36-feet bgs, and the grout was allowed to set for a period greater than 24 hours. Ten feet of 2-inch bedrock core was collected prior to enlarging the borehole with a 4-inch roller bit. The bedrock monitoring well was then constructed with a 10-foot length of 2-inch Schedule 40 slotted PVC and 36-feet of 2-inch riser pipe. The borehole for the deep overburden monitoring well was advanced to the bedrock surface using similar drilling techniques as the bedrock well, and monitoring well MW-15D was set over the bedrock surface.

Two soil samples were collected from the boring for well MW-15D at depths of 20-feet to 22-feet bgs and 26-feet to 28-feet bgs, and were submitted for laboratory analysis of CVOCs and PCBs. Analytical data for the 26-feet to 28-feet sample indicates that the 1,2,4-trichlorobenzene, PCE and cis-1,2-dichloroethene concentrations exceed their respective Method 1 S-1/GW-1 Standard, and the TCE concentration exceeded the UCL. Total PCB concentrations in both

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samples exceed the UCL. Refer to **Table 1** for a summary of the soil analytical data from the well installation activities and **Figure 2** for the monitoring well locations.

The monitoring wells were developed after a minimum of 48-hours after installation was completed. During well development activities in February 2014, evidence of the potential for DNAPL in MW-15B and MW-15D was observed, but DNAPL thickness could not be measured during well development. Refer to **Appendix A** for copies of the boring/well logs and **Appendix C** for copies of the well development logs.

Bedrock Elevation

Based on the URS geoprobe investigation and subsequent monitoring well installation activities, the lowest elevation of the bedrock surface was identified as approximately -38.6 feet msl. The bowl-shaped bedrock depression and depth identified by the seismic refraction survey does not appear to be present.

4.2.5 Groundwater Sampling

URS sampled all existing and newly installed monitoring wells on the Site and on the Precix property (abutting the Site to the north) in March 2014. Prior to sampling, all of the wells were gauged for depth to groundwater and the presence of non-aqueous phase liquids (NAPL). Approximately 6.5-inches of DNAPL was observed at the bottom of monitoring well MW-15D, as measured using the weighted string test. A sample of the DNAPL was collected and submitted for laboratory analysis of PCB and TCE content. Samples were collected from each of the Site and Precix monitoring wells and submitted for analysis for CVOCs, PCBs and total suspended solids.

The DNAPL sample collected from MW-15D was reported to contain 24,000 mg/kg TCE, 13,000 mg/kg PCE, 15,000 mg/kg cis,1-2-dichloroethene, 12,000 mg/kg 1,2,4-trichlorobenzene, 400 mg/kg 1,4-dichlorobenzene, and 666 mg/kg PCBs. Detectable dissolved-phase concentrations of CVOCs in the samples collected from MW-15D and MWM-15B included TCE, PCE, cis-1,2-dichloroethene, and vinyl chloride. The TCE concentration in MW-15B exceeds the UCL. The concentrations of the other detected CVOCs were reported to be below the Method 1 GW-3 Standard. The concentration of total PCBs detected at both MW-15D and MW-15B exceeded the Method 1 GW-3 Standard, but were below the UCL. Refer to **Table 2** for a summary of the groundwater analytical data and **Appendix B** for supporting analytical reports (Note that although the presence of DNAPL in the northeast corner of the Site is the subject of this IRA Plan, the tabulated analytical results and laboratory reports provide the results for the entire Site).

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4.2.6 MassDEP Notification

On April 10, 2014, URS notified MassDEP of the presence of DNAPL at a thickness of greater than 0.5-inch per 310 CMR 40.0313(1). MassDEP provided URS with verbal authorization to conduct an IRA consisting of assessment actions pursuant to the MCP, 310 CMR 40.0414(1) including assessment of the extent and recoverability of DNAPL in the vicinity of MW-15D and removal actions pursuant to the MCP 310 CMR 40.0414(2) including utilizing low-energy methods (bailing) to remove DNAPL from MW-15D and from any newly installed monitoring wells that exhibit DNAPL thickness greater than ½ inch.

4.3 POTENTIAL SURROUNDING RECEPTORS

Relative to the Site as a whole, under current conditions, potential human exposure to Site related COCs is limited to the potential for direct contact with unpaved surface soils south of the Property on the adjacent Acushnet (Titleist) owned area, and the potential for vapor intrusion of COCs present beneath the Precix building north of the Property. Direct contact by employees and trespassers on the Titleist property is presently controlled by security fencing and temporary gravel access roads. Exposure by Precix employees through vapor intrusion is being assessed as part of the Phase II, and indoor air sampling to date has not shown impacts to indoor air above MassDEP commercial/industrial indoor air screening levels. Direct contact by human or ecological receptors with impacted soils and groundwater within the Property itself is eliminated by the presence of the asphalt cap. The small area of the Property in the northwest corner that is not paved is outside the fence and has been converted to a small park. However, sampling in this area has not identified COCs above laboratory detection limits. The Site is served by municipal water and sewer, and groundwater is not a drinking water source. A deed restriction is in place that prohibits the use of Site groundwater. Relative to the DNAPL that is the subject of this IRA Plan, there is no complete pathway for human receptors to be exposed to the DNAPL which is present more than 35 feet below the ground surface.

Potential off-site ecological receptors are limited to those species that may come in contact with COCs through the Acushnet River. Potential off-site receptors related to the Acushnet River are being addressed under the separate New Bedford Harbor Superfund Site and are not part of the MCP response actions. However, source control and/or management of migration of COCs from the Site to the river will be part of the MCP response actions and will be assessed in conjunction with this IRA.

5.0 IMMEDIATE RESPONSE ACTIONS UNDERTAKEN TO DATE (310 CMR 40.0424(C))

Immediate Response Actions taken to date have included gauging of deep overburden monitoring wells on the eastern end of the Site and a DNAPL baildown test.

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On April 22, 2014, URS measured the depth to groundwater and gauged for the presence of DNAPL in the deep overburden and bedrock monitoring wells on the east end of the site, including MW-6B, MW-17D, MW-17B, MW-2B, MW-7B, MW-15B and MW-15D. During that event, MW-15D contained a DNAPL thickness of 0.32 feet (4-inches).

On May 19, 2014, URS mobilized to the Site to complete a DNAPL baildown test on monitoring well MW-15D to evaluate the rate at which DNAPL returned to the monitoring well when removed. Upon arrival at the site, MW-15D contained 7-inches of DNAPL and MW-15B contained a trace amount of DNAPL (weighted string showed sign of DNAPL presence, but was not saturated).

The DNAPL was pumped from the monitoring well using a peristaltic pump. Upon removal of as much DNAPL as possible (less than 0.25-gallons), the peristaltic pump tubing was removed from the monitoring well. URS then measured DNAPL thickness in the well every 15 minutes for the first 75 minutes after DNAPL removal ceased. The interval was then increased to 30 minutes and eventually one-hour intervals. A final measurement was taken the following day. Measurements collected are summarized in the table below:

Date	Time	Elapsed Time (Hours:Minutes)	DNAPL Thickness (inches)
052014	10:15	0	0
052014	10:30	0:15	<1
052014	10:45	0:30	2
052014	11:00	0:45	2
052014	11:15	1:00	2.5
052014	11:30	1:15	2.5
052014	12:00	1:45	2.5
052014	12:30	2:15	3
052014	13:00	2:45	3
052014	13:30	3:15	3.25
052014	14:00	3:45	3.25
052014	15:00	4:45	3.25
052014	16:00	5:45	3.25
052114	19:30	21:15	3.25

6.0 OBJECTIVES, SCOPE AND SCHEDULE OF IMMEDIATE RESPONSE ACTION (310 CMR 40.0424(C))

The current objectives of the IRA are to remove DNAPL from MW-15D in the short term, to delineate the extent the DNAPL in the subsurface, and to design, install and operate a DNAPL

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recovery system for the interim period between now and implementation of the final remedy for the Site.

6.1 SHORT-TERM DNAPL REMOVAL FROM MW-15D

DNAPL will be gauged in monitoring well MW-15D and MW-15B every other week. After gauging, the DNAPL, if present, will be removed using a peristaltic pump. The DNAPL will be placed into a covered 5-gallon pail for storage. The 5-gallon pail will be placed into a 55-gallon drum stored inside the temporary drum storage unit (with integral secondary containment) at the Site. Since the DNAPL is considered Remediation Waste (per 310 CMR 40.0006), and given the analytical results reported for the DNAPL sample, URS will assume the collected DNAPL would meet the criteria defining a listed or characteristic waste, and will manage it for disposal every 90 days in accordance with 310 CMR 40.0031(7).

6.2 DNAPL DELINEATION

DNAPL delineation activities will begin with a MIP investigation in the vicinity of well cluster MW-15. The objective of the MIP investigation is to identify subsurface areas with elevated concentrations of chlorinated organic compounds. The MIP borings (up to 14 locations) will generally be located radially out in three directions from MW-15D (additional borings to the east are limited by the river boundary) and will be advanced to the depth of the inferred bedrock surface.

Based on evaluation of the MIP data, up to 8 geoprobe borings will be advanced to the inferred bedrock surface. The soil borings will be advanced to characterize soils, collect PID headspace readings of soils, make visual observations of soils to identify potential DNAPL saturated soils, further evaluate the bedrock surface configuration in the vicinity of MW-15D, and to evaluate potential DNAPL recovery well locations, if needed based on findings of the assessment. **Figure 3** presents the approximate locations for the proposed MIP and geoprobe borings. Final locations will be determined in the field based on conditions encountered during installation.

7.0 REASON WHY IRA IS REQUIRED (310 CMR 40.042(D))

In accordance with 310 CMR 40.0412(1), IRA activities are required to be conducted at Sites where a 72-hour reportable condition has been identified. The presence of DNAPL at a thickness of greater than 0.5-inch represents a 72-hour notification per 310 CMR 40.0313(1). Therefore, this IRA is required to address the DNAPL observed in monitoring well MW-15D.

7.1 CONDITION OF SUBSTANTIAL RELEASE MIGRATION EVALUATION

Pursuant to 310 CMR 40.0006 of the MCP, the following conditions constitute a Condition of Substantial Release Migration (SRM):

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- a) Releases that have resulted in the discharge of separate phase OHM to surface waters, subsurface structures, or underground utilities or conduits;
- b) Releases to the groundwater or to the vadose zone that, if not promptly removed or contained, are likely to significantly impact the underlying groundwater, or significantly exacerbate an existing condition of groundwater pollution;
- c) Releases to the groundwater that have migrated or are expected to migrate more than 200 feet per year;
- d) Releases to the groundwater that have been or are within one year likely to be detected in a private or public drinking water supply well;
- e) Releases to the groundwater that have been or are within one year likely to be detected in a surface water body, wetland or public water supply reservoir;
- f) Releases to the groundwater that have resulted or are within one year likely to result in the discharge of vapors into school buildings or occupied residential dwellings.

Site conditions are not known to have resulted in discharge of separate phase OHM to surface waters, subsurface structures, or underground utilities. Subsurface assessment work (borings) previously undertaken by EPA in conjunction with planning for dredging impacted sediments immediately off shore from the Site has indicated the potential for DNAPL to be present in soils below the river bottom, but DNAPL has not been measured there. Prior dredging in the near shore area immediately adjacent to the Site by EPA has produced sediment impacted with both PCBs and CVOCs. However, the abutting Acushnet River is being addressed as part of the New Bedford Harbor Superfund Site. As a result, although one of the SRM conditions has been met (COCs in Site groundwater have been detected in sediment and soils beneath the river), this IRA condition is not considered an SRM. None of the other SRM conditions apply.

7.2 CRITICAL EXPOSURE PATHWAY EVALUATION

A Critical Exposure Pathway (CEP) is defined in 310 CMR 40.0006 as the routes by which oil and/or hazardous materials released at a Disposal Site are transported, or are likely to be transported, to human receptors via:

- a) Vapor-phase emissions of measurable concentrations of OHM into the living or working spaces of a pre-school, daycare, school or occupied residential dwelling; or
- b) Ingestion, dermal absorption or inhalation of measurable concentrations of OHM in the private drinking water supply wells located at and servicing a pre-school, daycare, school or occupied residential dwelling;

The measurement of DNAPL on this currently vacant, undeveloped property does not constitute a CEP.

Immediate Response Action Plan

7.3 IMMINENT HAZARD EVALUATION

An Imminent Hazard Evaluation shall be performed as part of an IRA at sites where a release or threat of release could pose an Imminent Hazard to human health, safety, public welfare, or the environment, as described in 310 CMR 40.0321(2), and may be performed at sites where a release or threat of release is deemed to pose an Imminent Hazard, as described in 310 CMR 40.0321(1).

The following releases shall be deemed to pose an Imminent Hazard to health, safety, public welfare, and/or the environment as defined in 310 CMR 321(2):

- a) a release to the environment which results in the presence of oil and/or hazardous material vapors within buildings, structures, or underground utility conduits at a concentration equal to or greater than 10% of the Lower Explosive Limit;
- b) a release to the environment of reactive or explosive hazardous material, as described in 310 CMR 40.0347, which threatens human health or safety;
- c) a release to a roadway that endangers public safety;
- d) a release to the environment of oil and/or hazardous material which poses a significant risk to human health when present for even a short period of time, as specified in 310 CMR 40.0950;
- e) a release to the environment of oil and/or hazardous material which produces immediate or acute adverse impacts to freshwater or saltwater fish populations; or
- f) a release to the environment which produces readily apparent effects to human health, including respiratory distress or dermal irritation.

None of the above conditions apply to the DNAPL measured in MW-15D. Furthermore, conditions in the Acushnet River are being managed separate from the Aerovox response actions through the New Bedford Harbor Superfund Site remediation.

7.4 CHARACTERIZATION OF RISK TO SAFETY

A level of No Significant Risk to safety exists or has been achieved if the conditions at the Disposal Site which are related to the release of OHM do not currently and will not on the foreseeable future pose a threat of physical harm or bodily injury to people. Such release-related conditions may include, but are not limited to:

- a) the presence of rusted or corroded drums or containers, open pits, lagoons or other dangerous structures;
- b) any threat of fire or explosion, including the presence of explosive vapors resulting from a release of oil and/or hazardous material; and

Immediate Response Action Plan

- c) any uncontained materials which exhibit the characteristics of corrosivity, reactivity or flammability described at 310 CMR 40.0347.

None of the above conditions related to the release existed at the Site. Therefore, there is No Significant Risk to Safety.

8.0 MANAGEMENT OF REMEDIATION WASTE (310 CMR 40.0424(F))

DNAPL, contaminated soil, and contaminated personal protective equipment (PPE) are anticipated to be generated during IRA activities. The DNAPL generated from recovery activities will be placed into a covered 5-gallon pail for storage. The 5-gallon pail will be placed into a 55-gallon drum stored in the temporary drum storage unit (with integral secondary containment). Contaminated soil and PPE will also be placed temporarily in 55-gallon drums within the drum storage unit. Since these materials are considered remediation waste (310 CMR 40.0006), they will be properly disposed offsite within 90 days of the accumulation start date.

9.0 ENVIRONMENTAL MONITORING PLAN (310 CMR 40.0424(G))

Bi-weekly gauging of DNAPL thickness in monitoring well MW-15D will be conducted for at least two months. Depending upon observations of DNAPL return to the monitoring well between gauging rounds, the frequency of DNAPL removal events may be increased or decreased. If a change to the frequency is needed, a modification to this schedule will be included in one of the IRA Status Reports.

10.0 FEDERAL, STATE AND LOCAL PERMITS REQUIRED FOR IMMEDIATE RESPONSE ACTIONS (310 CMR 40.0424(H))

Other than a Digsafe Ticket ID number and potential soil transportation and disposal requirements, federal, state or local permits, no other permits are anticipated to be required for completion of these IRA activities.

11.0 OTHER RELATED INFORMATION

Pursuant to the Administrative Settlement Agreement and Order on Consent for Non-Time Critical Removal Action (AOC) between AVX and the EPA, effective June 3, 2010, a Monitoring and Maintenance (MM) Plan for the Aerovox Site was prepared by URS for AVX in fulfillment of Sections III.H.4. and III.I. of the Non-Time Critical Removal Action Scope of Work, Appendix B to the AOC. The MM Plan was also prepared in accordance with the Action Memorandum for the Site, issued by EPA on December 23, 2009, and the Toxic Substances Control Act Determination. The MM Plan describes who will be doing monitoring and maintenance for the cap and sheet pile wall, what monitoring and maintenance is required, when

Immediate Response Action Plan

monitoring and maintenance will be performed, and in general terms how monitoring and maintenance will be conducted.

One of the requirements of the MM Plan is that the cap and containment barrier (sheet pile wall along the east end of the Property) be inspected each year in late spring to assess for winter damage, weed growth and potential for underlying soils to be exposed or to become exposed in the coming year. Documentation of this inspection is required to be submitted to MassDEP as part of the next regular 21E/MCP submittal. The Spring 2014 inspection occurred on May 8, 2014 with MassDEP, EPA, and URS in attendance. A copy of the inspection report is attached to this submittal as **Appendix D**.

Immediate Response Action Plan

TABLES

Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	B01A B01A (6-8) 12/17/13 6 - 8	B01A B01A (8-10) 12/17/13 8 - 10	B01A B01A (13-15) 12/17/13 13 - 15	B01A B01A (18-20) 12/17/13 18 - 20	B01A B01A (20-22) 12/17/13 20 - 22	B01B B01B (6.5-8) 12/17/13 6.5 - 8	B01B B01B (13-15) 12/17/13 13 - 15	B01B B01B (13-15) 12/17/13 13 - 15	B01C B01C (9-11) 12/17/13 9 - 11	B01D B01D (2') 12/04/13 2 - 2	B02A B02A (4-6) 12/18/13 4 - 6	B02A B02A (4-6) 12/18/13 4 - 6	B02A B02A (8-10) 12/18/13 8 - 10	B02B B02B (9-11) 12/17/13 9 - 11	B02B B02B (13-15) 12/17/13 13 - 15	B02B B02B (18-20) 12/17/13 18 - 20	B02C B02C (6.5-8) 12/17/13 6.5 - 8	B02D B02D (2') 12/04/13 2 - 2	B03A B03A (4-6) 12/18/13 4 - 6	B03B B03B (7-10) 12/18/13 7 - 10	B03B B03B (10.5) 12/18/13 10.5 - 10.5	B03C B03C (18.5) 12/04/13 18.5 - 18.5	B03C B03C (2') 12/04/13 2 - 2
Volatile Organic Compounds (VOCs)																											
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	--	2.1 U	--	--	--	--	1.9 U	110. U	--	--	1.7 U	120. U	--	--	--	2.1 U	--	--	1.3 U	--	2.0 U	1. U	--
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	--	2.1 U	--	--	--	--	1.9 U	110. U	--	--	1.7 U	120. U	--	--	--	2.1 U	--	--	1.3 U	--	2.0 U	1. U	--
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
1,2-Dibromoethane	(ug/kg)	100	1000	400000	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	--	4.9 U	--	--	--	--	4.4 U	250. U	--	--	3.9 U	270. U	--	--	--	5.0 U	--	--	3.1 U	--	4.8 U	2.4 U	--
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
Bromodichloromethane	(ug/kg)	100	30000	5000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
Bromoform	(ug/kg)	1000	300000	10000000	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
Chlorobenzene	(ug/kg)	3000	100000	10000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
Chloroethane	(ug/kg)	NE	NE	NE	--	2.8 U	--	--	--	--	2.5 U	140. U	--	--	2.2 U	160. U	--	--	--	2.8 U	--	--	1.8 U	--	2.7 U	1.4 U	--
Chloroform	(ug/kg)	200	500000	8000000	--	2.1 U	--	--	--	--	3.9	110. U	--	--	1.7 U	120. U	--	--	--	2.1 U	--	--	1.3 U	--	2.0 U	1.	--
Chloromethane	(ug/kg)	NE	NE	NE	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
Dibromochloromethane	(ug/kg)	30	20000	5000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	--	14. U	--	--	--	--	13. U	720. U	--	--	11. U	780. U	--	--	--	14. U	--	--	8.8 U	--	14. U	6.8 U	--
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
Methylene Chloride	(ug/kg)	4000	400000	7000000	--	14. U	--	--	--	--	13. U	720. U	--	--	11. U	780. U	--	--	--	14. U	--	--	8.8 U	--	14. U	6.8 U	--
Tetrachloroethene	(ug/kg)	10000	30000	10000000	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	1.5	--
Trichloroethene	(ug/kg)	300	30000	600000	--	15.	--	--	--	--	280. E	660.	--	--	32.	170.	--	--	--	77.	--	--	120.	--	200.	99.	--
Vinyl chloride	(ug/kg)	700	1000	600000	--	2.8 U	--	--	--	--	2.5 U	140. U	--	--	6.5	160. U	--	--	--	2.8 U	--	--	2.2	--	4.3	1.4 U	--
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	--	12.	--	--	--	--	82.	160.	--	--	490. E	1500.	--	--	--	5.7	--	--	78.	--	49.	22.	--
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
o-Chlorotoluene	(ug/kg)	NE	NE	NE	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
p-Chlorotoluene	(ug/kg)	NE	NE	NE	--	5.6 U	--	--	--	--	5.1 U	290. U	--	--	4.5 U	310. U	--	--	--	5.6 U	--	--	3.5 U	--	5.4 U	2.7 U	--
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	--	2.1 U	--	--	--	--	1.9 U	110. U	--	--	1.7 U	120. U	--	--	--	2.1 U	--	--	1.3 U	--	2.0 U	1. U	--
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	1.4 U	--	--	--	--	1.3 U	72. U	--	--	1.1 U	78. U	--	--	--	1.4 U	--	--	0.88 U	--	1.4 U	0.68 U	--
Polychlorinated Biphenyls (PCBs)																											
Aroclor 1016	(ug/kg)	NE	NE	NE	41.7 U	112. U	20.6 U	22.0 U	20.8 U	21.2 U	20.6 U	--	21.2 U	20.5 U	22500. U	--	120. U	1120. U	21.8 U	22.5 U	22.7 U	21.1 U	23.3 U	538. U	21.3 U	--	20.2 U
Aroclor 1221	(ug/kg)	NE	NE	NE	41.7 U	112. U	20.6 U	22.0 U	20.8 U	21.2 U	20.6 U	--	21.2 U	20.5 U	22500. U	--	120. U	1120. U	21.8 U	22.5 U	22.7 U	21.1 U	23.3 U	538. U	21.3 U	--	20.2 U
Aroclor 1232	(ug/kg)	NE	NE	NE	41.7 U	112. U	20.6 U	22.0 U	20.8 U	21.2 U	20.6 U	--	21.2 U	20.5 U	22500. U	--	120. U	1120. U	21.8 U	22.5 U	22.7 U	21.1 U	23.3 U	538. U	21.3 U	--	20.2 U
Aroclor 1242	(ug/kg)	NE	NE	NE	702.	112. U	106.	22.0 U	20.8 U	21.2 U	20.6 U	--	21.2 U	20.5 U	335000.	--	120. U	14700.	69.0	48.8	22.7 U	21.1 U	23.3 U	3190.	179.	--	20.2 U
Aroclor 1248	(ug/kg)	NE	NE	NE	27.8 U	3250.	13.8 U	27.0	62.2	14.1 U	13.7 U	--	14.2 U	13.7 U	15000. U	--	840.	744. U	14.5 U	15.0 U	15.1 U	14.1 U	15.6 U	359. U	14.2 U	--	13.4 U
Aroclor 1254	(ug/kg)	NE	NE	NE	383.	1440.	29.1	22.0 U	20.8 U	21.2 U	20.6 U	--	27.6	20.5 U	22500. U	--	120. U	1120. U	21.8 U	22.5 U	22.7 U	21.1 U	23.3 U	538. U	21.3 U	--	20.9
Aroclor 1260	(ug/kg)	NE	NE	NE	27.8 U	101.	13.8 U	14.7 U	13.8 U	14.1 U	13.7 U	--	14.2 U	13.7 U	15000. U	--	80.2 U	744. U	14.5 U	15.0 U	15.1 U	14.1 U	15.6 U	359. U	14.2 U	--	13.4 U
Aroclor 1262	(ug/kg)	NE	NE	NE	13.9 U	37.5 U	6.88 U	7.34 U	6.92 U	7.05 U	6.87 U	--	7.08 U	6.84 U	7490. U	--	40.1 U	372. U	7.25 U	7.49 U	7.57 U	7.04 U	7.78 U	179. U	7.11 U	--	6.73 U
Aroclor 1268	(ug/kg)	NE	NE	NE	13.9 U	37.5 U	6.88 U	7.34 U	6.92 U	7.05 U	6.87 U	--	7.08 U	6.84 U	7490. U	--	40.1 U	372. U	7.25 U	7.49 U	7.57 U	7.04 U	7.78 U	179. U	7.11 U	--	6.73 U
Total PCBs	(ug/kg)	1000	1000	100000	1085.	4791.	135.1	27.	62.2	N D	N D	--	27.6	N D	[335000.]	--	840.	14700.	69.	48.8	N D	N D	N D	3190.	179.	--	20.9

Notes:
 (ug/kg) = Micrograms per kilogram
 (ft bgs) = Feet below ground surface
 U = Constituent not detected at listed reporting limit
 E = Concentration exceeds instrument calibration
 ND = Not Detected
 -- = Not analyzed for this constituent
 Sample collection depth in feet below ground surface
 noted in parenthesis in Sample ID
 NE = Not Established
 Total PCBs calculated by summing detected concentrations
 MCP = Massachusetts Contingency Plan
 S1/GW3 = MCP Method 1 Soil Category S-1 in a GW-3 Area Soil Standards
 S1/GW2 = MCP Method 1 Soil Category S-1 in a GW-2 Area Soil Standards
 UCL = MCP Method 3 Soil Upper Concentration Limit
 [] and shaded value indicates concentration is above UCL
 The S-1 standards are shown for informational purposes only,
 because a Method 3 Risk Characterization will be completed

Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	B03C	B03D	B04.5E	B04A	B04A	B04A	B04B	B04B	B04B	B04B	B04B	B04C	B04C	B04C	B04D	B04D	B04E	B05.5E	B05A	B05A	B05B	B05B	B05B
					B03C (18-20) 12/04/13 18 - 20	B03D (0-2) 12/05/13 0 - 2	BO 4.5E (0-2) 12/13/13 0 - 2	B04A (0-2) 12/05/13 0 - 2	B04A (8-10) 12/05/13 8 - 10	B04A (15.5) 12/05/13 15.5 - 15.5	B04B (0-2) 12/05/13 0 - 2	B04B (3.5) 12/05/13 3.5 - 3.5	B04B (3.5) 12/05/13 3.5 - 3.5	B04B (13) 12/05/13 13 - 13	B04B (13-15) 12/05/13 13 - 15	B04C (0-2) 12/05/13 0 - 2	B04C (3.5) 12/05/13 3.5 - 3.5	B04C (8-9) 12/05/13 8 - 9	B04D (0-2) 12/05/13 0 - 2	B04D (3-5) 12/05/13 3 - 5	B04E (0-2) 02/21/14 0 - 2	BO 5.5E (0-2) 12/13/13 0 - 2	B05A (0-2) 12/05/13 0 - 2	B05A (5.5) 12/05/13 5.5 - 5.5	B05B (0-2) 12/06/13 0 - 2	B05B (8-10) 12/06/13 8 - 10	B05B (15-17) 12/06/13 15 - 17
Volatile Organic Compounds (VOCs)																											
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	--	--	--	--	--	61. U	--	2400. U	--	1.1	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	--	--	--	--	--	91. U	--	2800. U	--	1.7 U	--	--	110. U	320. U	--	--	--	--	--	93. U	--	--	94. U
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	--	--	--	--	--	91. U	--	2800. U	--	1.7 U	--	--	110. U	320. U	--	--	--	--	--	93. U	--	--	94. U
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
1,2-Dibromoethane	(ug/kg)	100	1000	400000	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	--	--	--	--	--	210. U	--	6400. U	--	4.0 U	--	--	260. U	760. U	--	--	--	--	--	220. U	--	--	220. U
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
Bromodichloromethane	(ug/kg)	100	30000	5000000	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
Bromoform	(ug/kg)	1000	300000	10000000	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
Chlorobenzene	(ug/kg)	3000	100000	10000000	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	430.	--	--	--	--	--	62. U	--	--	62. U
Chloroethane	(ug/kg)	NE	NE	NE	--	--	--	--	--	120. U	--	3700. U	--	2.3 U	--	--	150. U	430. U	--	--	--	--	--	120. U	--	--	120. U
Chloroform	(ug/kg)	200	500000	8000000	--	--	--	--	--	91. U	--	2800. U	--	1.7 U	--	--	110. U	320. U	--	--	--	--	--	93. U	--	--	94. U
Chloromethane	(ug/kg)	NE	NE	NE	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
Dibromochloromethane	(ug/kg)	30	20000	5000000	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	--	--	--	--	--	610. U	--	18000. U	--	11. U	--	--	750. U	2200. U	--	--	--	--	--	620. U	--	--	620. U
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
Methylene Chloride	(ug/kg)	4000	400000	7000000	--	--	--	--	--	610. U	--	18000. U	--	11. U	--	--	750. U	2200. U	--	--	--	--	--	620. U	--	--	620. U
Tetrachloroethene	(ug/kg)	10000	30000	10000000	--	--	--	--	--	61. U	--	23000. U	--	1.3	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
Trichloroethene	(ug/kg)	300	30000	600000	--	--	--	--	--	1300. U	--	440000. E	480000.	120.	--	--	1300. U	220. U	--	--	--	--	--	62. U	--	--	240.
Vinyl chloride	(ug/kg)	700	1000	600000	--	--	--	--	--	120. U	--	3700. U	--	2.3 U	--	--	150. U	430. U	--	--	--	--	--	120. U	--	--	120. U
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	--	--	--	--	--	61. U	--	17000. U	--	23.	--	--	280. U	220. U	--	--	--	--	--	86.	--	--	1400.
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
o-Chlorotoluene	(ug/kg)	NE	NE	NE	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
p-Chlorotoluene	(ug/kg)	NE	NE	NE	--	--	--	--	--	240. U	--	7400. U	--	4.6 U	--	--	300. U	870. U	--	--	--	--	--	250. U	--	--	250. U
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	--	--	--	--	--	91. U	--	2800. U	--	1.7 U	--	--	110. U	320. U	--	--	--	--	--	93. U	--	--	94. U
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	--	--	--	--	61. U	--	1800. U	--	1.1 U	--	--	75. U	220. U	--	--	--	--	--	62. U	--	--	62. U
Polychlorinated Biphenyls (PCBs)																											
Aroclor 1016	(ug/kg)	NE	NE	NE	22.5 U	107. U	21.9 U	19.5 U	21.0 U	22.3 U	21.7 U	130. U	--	--	22.2 U	20.8 U	246. U	100. U	411. U	20.9 U	42.9 U	4160. U	20.4 U	20.4 U	47.2 U	70.5 U	21.6 U
Aroclor 1221	(ug/kg)	NE	NE	NE	22.5 U	107. U	21.9 U	19.5 U	21.0 U	22.3 U	21.7 U	130. U	--	--	22.2 U	20.8 U	246. U	100. U	411. U	20.9 U	42.9 U	4160. U	20.4 U	20.4 U	47.2 U	70.5 U	21.6 U
Aroclor 1232	(ug/kg)	NE	NE	NE	22.5 U	107. U	21.9 U	19.5 U	21.0 U	22.3 U	21.7 U	130. U	--	--	22.2 U	20.8 U	246. U	100. U	411. U	20.9 U	42.9 U	4160. U	20.4 U	20.4 U	47.2 U	70.5 U	21.6 U
Aroclor 1242	(ug/kg)	NE	NE	NE	22.5 U	107. U	21.9 U	19.5 U	21.0 U	22.3 U	126.	1020.	--	--	291.	20.8 U	3130.	242.	411. U	20.9 U	42.9 U	4160. U	20.4 U	20.4 U	47.2 U	70.5 U	21.6 U
Aroclor 1248	(ug/kg)	NE	NE	NE	15. U	71.6 U	14.6 U	13.0 U	14.0 U	14.8 U	14.4 U	86.7 U	--	--	14.8 U	54.2	164. U	66.7 U	274. U	13.9 U	28.6 U	33600.	13.6 U	56.2	31.5 U	47.0 U	14.4 U
Aroclor 1254	(ug/kg)	NE	NE	NE	70.	1380.	510.	242.	21.0 U	28.7	48.8	291.	--	--	93.4	57.5	1840.	100. U	6680.	20.9 U	826.	26100.	151.	84.6	1020.	70.5 U	21.6 U
Aroclor 1260	(ug/kg)	NE	NE	NE	15. U	71.6 U	14.6 U	13.0 U	14.0 U	14.8 U	14.4 U	86.7 U	--	--	14.8 U	42.0	164. U	66.7 U	274. U	13.9 U	28.6 U	5410.	13.6 U	19.4	425.	47.0 U	14.4 U
Aroclor 1262	(ug/kg)	NE	NE	NE	7.49 U	35.8 U	7.30 U	6.50 U	7.02 U	7.43 U	7.22 U	43.3 U	--	--	7.40 U	6.94 U	81.9 U	33.4 U	137. U	6.97 U	14.3 U	1390. U	6.79 U	6.80 U	15.7 U	23.5 U	7.19 U
Aroclor 1268	(ug/kg)	NE	NE	NE	7.49 U	35.8 U	7.30 U	6.50 U	7.02 U	7.43 U	7.22 U	43.3 U	--	--	7.40 U	6.94 U	81.9 U	33.4 U	137. U	6.97 U	14.3 U	1390. U	6.79 U	6.80 U	15.7 U	23.5 U	7.19 U
Total PCBs	(ug/kg)	1000	1000	100000	70.	1380.	510.	242.	N D	28.7	174.8	1311.	--	--	384.4	153.7	4970.	242.	6680.	N D	826.	65110.	151.	160.2	1445.	N D	N D

Notes:
(ug/kg) = Micrograms per kilogram
(ft bgs) = Feet below ground surface
U = Constituent not detected at listed reporting limit
E = Concentration exceeds instrument calibration
ND = Not Detected
-- = Not analyzed for this constituent
Sample collection depth in feet below ground surface noted in parenthesis in Sample ID
NE = Not Established
Total PCBs calculated by summing detected concentrations
MCP = Massachusetts Contingency Plan
S1/GW3 = MCP Method 1 Soil Category S-1 in a GW-3 Area Soil Standards
S1/GW2 = MCP Method 1 Soil Category S-1 in a GW-2 Area Soil Standards
UCL = MCP Method 3 Soil Upper Concentration Limit
[] and shaded value indicates concentration is above UCL
The S-1 standards are shown for informational purposes only, because a Method 3 Risk Characterization will be completed

Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	B05B DUP-01 12/06/13 15 - 17	B05C B05C (0-2) 12/06/13 0 - 2	B05C B05C (3-5) 12/06/13 3 - 5	B05C B05C (13-15) 12/06/13 13 - 15	B05C B05C (21-23) 12/06/13 21 - 23	B05D B05D (0-2) 12/06/13 0 - 2	B06.5E BO 6.5E (0-2) 12/13/13 0 - 2	B06A B06A (0-2) 12/09/13 0 - 2	B06A B06A (8-10) 12/09/13 8 - 10	B06A B06A (25-27) 12/09/13 25 - 27	B06A B06A (25-27) 12/09/13 25 - 27	B06B B06B (0-2) 12/09/13 0 - 2	B06B B06B (3-5) 12/09/13 3 - 5	B06B B06B (8-10) 12/09/13 8 - 10	B06B B06B (13-15) 12/09/13 13 - 15	B06B B06B (27-29) 12/09/13 27 - 29	B06C B06C (0-2) 12/09/13 0 - 2	B06C B06C (3-5) 12/09/13 3 - 5	B06C B06C (12.5) 12/09/13 12.5 - 12.5	B06C B06C (12.5) 12/09/13 12.5 - 12.5	B06D B06D (0-2) 12/06/13 0 - 2	B06D B06D (16) 12/06/13 16 - 16	B07.5BC B07.5BC (0-2) 12/18/13 0 - 2
Volatile Organic Compounds (VOCs)																											
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	110. U	--	--	--	140. U	--	--	--	--	0.68 U	65. U	--	--	--	--	0.83 U	--	--	1.0 U	120. U	--	73. U	--
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	110. U	--	--	--	140. U	--	--	--	--	0.68 U	65. U	--	--	--	--	0.83 U	--	--	2.0	120. U	--	73. U	--
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	72. U	--	--	--	90. U	--	--	--	--	0.46	44. U	--	--	--	--	0.55 U	--	--	1.3	77. U	--	49. U	--
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
1,2-Dibromoethane	(ug/kg)	100	1000	4000000	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	250. U	--	--	--	320. U	--	--	--	--	1.6 U	150. U	--	--	--	--	1.9 U	--	--	2.4 U	270. U	--	170. U	--
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
Bromodichloromethane	(ug/kg)	100	30000	5000000	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
Bromoform	(ug/kg)	1000	300000	10000000	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	72. U	--	--	--	90. U	--	--	--	--	2.9	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
Chlorobenzene	(ug/kg)	3000	100000	10000000	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
Chloroethane	(ug/kg)	NE	NE	NE	140. U	--	--	--	180. U	--	--	--	--	0.91 U	87. U	--	--	--	--	1.1 U	--	--	1.4 U	150. U	--	98. U	--
Chloroform	(ug/kg)	200	500000	8000000	110. U	--	--	--	140. U	--	--	--	--	0.68 U	65. U	--	--	--	--	0.83 U	--	--	1.0 U	120. U	--	73. U	--
Chloromethane	(ug/kg)	NE	NE	NE	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
Dibromochloromethane	(ug/kg)	30	20000	5000000	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	720. U	--	--	--	900. U	--	--	--	--	4.5 U	440. U	--	--	--	--	5.5 U	--	--	6.8 U	770. U	--	490. U	--
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
Methylene Chloride	(ug/kg)	4000	400000	7000000	720. U	--	--	--	900. U	--	--	--	--	4.5 U	440. U	--	--	--	--	5.5 U	--	--	6.8 U	770. U	--	490. U	--
Tetrachloroethene	(ug/kg)	10000	30000	10000000	72. U	--	--	--	90. U	--	--	--	--	1.3	44. U	--	--	--	--	0.76	--	--	0.68 U	77. U	--	49. U	--
Trichloroethene	(ug/kg)	300	30000	6000000	280.	--	--	--	2400.	--	--	--	--	330. E	370.	--	--	--	--	98.	--	--	0.68 U	77. U	--	390.	--
Vinyl chloride	(ug/kg)	700	1000	600000	140. U	--	--	--	180. U	--	--	--	--	7.0	87. U	--	--	--	--	3.9	--	--	170. E	150. U	--	98. U	--
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	1500.	--	--	--	90. U	--	--	--	--	83.	86.	--	--	--	--	89.	--	--	450. E	890.	--	1400.	--
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
o-Chlorotoluene	(ug/kg)	NE	NE	NE	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
p-Chlorotoluene	(ug/kg)	NE	NE	NE	290. U	--	--	--	360. U	--	--	--	--	1.8 U	170. U	--	--	--	--	2.2 U	--	--	2.7 U	310. U	--	200. U	--
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	110. U	--	--	--	140. U	--	--	--	--	0.68 U	65. U	--	--	--	--	0.83 U	--	--	1.3	120. U	--	73. U	--
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	72. U	--	--	--	90. U	--	--	--	--	0.45 U	44. U	--	--	--	--	0.55 U	--	--	0.68 U	77. U	--	49. U	--
Polychlorinated Biphenyls (PCBs)																											
Aroclor 1016	(ug/kg)	NE	NE	NE	23.2 U	4180. U	19.6 U	23.5 U	21.7 U	20.6 U	1070. U	20.1 U	22.6 U	21.9 U	--	10500. U	22.5 U	97.7 U	22.2 U	23.0 U	408. U	21.0 U	24.0 U	--	203. U	23.8 U	23000. U
Aroclor 1221	(ug/kg)	NE	NE	NE	23.2 U	4180. U	19.6 U	23.5 U	21.7 U	20.6 U	1070. U	20.1 U	22.6 U	21.9 U	--	10500. U	22.5 U	97.7 U	22.2 U	23.0 U	408. U	21.0 U	24.0 U	--	203. U	23.8 U	23000. U
Aroclor 1232	(ug/kg)	NE	NE	NE	23.2 U	4180. U	19.6 U	23.5 U	21.7 U	20.6 U	1070. U	20.1 U	22.6 U	21.9 U	--	10500. U	22.5 U	97.7 U	22.2 U	23.0 U	408. U	21.0 U	24.0 U	--	203. U	23.8 U	23000. U
Aroclor 1242	(ug/kg)	NE	NE	NE	23.2 U	4180. U	19.6 U	23.5 U	21.7 U	20.6 U	1070. U	20.1 U	22.6 U	21.9 U	--	10500. U	22.5 U	97.7 U	22.2 U	23.0 U	408. U	21.0 U	24.0 U	--	203. U	23.8 U	23000. U
Aroclor 1248	(ug/kg)	NE	NE	NE	15.5 U	2780. U	13.1 U	15.6 U	14.5 U	13.8 U	715. U	13.4 U	15.0 U	14.6 U	--	74400. U	15.0 U	299.	14.8 U	15.3 U	272. U	14.0 U	16.0 U	--	135. U	15.9 U	15300. U
Aroclor 1254	(ug/kg)	NE	NE	NE	23.2 U	26600. U	19.6 U	23.5 U	21.7 U	20.6 U	6750. U	27.7	22.6 U	21.9 U	--	72000. U	74.1	307.	22.2 U	23.0 U	7030. U	21.0 U	24.0 U	--	1590. U	23.8 U	237000. U
Aroclor 1260	(ug/kg)	NE	NE	NE	15.5 U	2780. U	13.1 U	15.6 U	14.5 U	13.8 U	715. U	13.4 U	15.0 U	14.6 U	--	7010. U	15.0 U	65.1 U	14.8 U	15.3 U	272. U	14.0 U	16.0 U	--	135. U	15.9 U	15300. U
Aroclor 1262	(ug/kg)	NE	NE	NE	7.74 U	1390. U	6.55 U	7.82 U	7.24 U	6.88 U	357. U	6.69 U	7.52 U	7.31 U	--	3510. U	7.51 U	32.6 U	7.41 U	7.65 U	136. U	6.99 U	8.01 U	--	67.7 U	7.94 U	7660. U
Aroclor 1268	(ug/kg)	NE	NE	NE	7.74 U	1390. U	6.55 U	7.82 U	7.24 U	6.88 U	357. U	6.69 U	7.52 U	7.31 U	--	3510. U	7.51 U	32.6 U	7.41 U	7.65 U	136. U	6.99 U	8.01 U	--	67.7 U	7.94 U	7660. U
Total PCBs	(ug/kg)	1000	1000	100000	N D	26600. U	N D	N D	N D	N D	6750. U	27.7	N D	N D	--	146400. U	74.1	606.	N D	N D	7030. U	N D	N D	--	1590. U	N D	237000. U

Notes:
 (ug/kg) = Micrograms per kilogram
 (ft bgs) = Feet below ground surface
 U = Constituent not detected at listed reporting limit
 E = Concentration exceeds instrument calibration
 ND = Not Detected
 -- = Not analyzed for this constituent
 Sample collection depth in feet below ground surface
 noted in parenthesis in Sample ID
 NE = Not Established
 Total PCBs calculated by summing detected concentrations
 MCP = Massachusetts Contingency Plan
 S1/GW3 = MCP Method 1 Soil Category S-1 in a GW-3 Area Soil Standards
 S1/GW2 = MCP Method 1 Soil Category S-1 in a GW-2 Area Soil Standards
 UCL = MCP Method 3 Soil Upper Concentration Limit
 [] and shaded value indicates concentration is above UCL
 The S-1 standards are shown for informational purposes only,
 because a Method 3 Risk Characterization will be completed

Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	B07.5BC B07.5BC (3-5) 12/18/13 3-5	B07.5BC B07.5BC (8-10) 12/18/13 8-10	B07.5BC B07.5BC (13-15) 12/18/13 13-15	B07.5E BO 7.5E (0-2) 12/13/13 0-2	B07.5F BO 7.5F (0-2) 12/13/13 0-2	B07A B07A (0-2) 12/09/13 0-2	B07A B07A (2.5) 12/09/13 2.5-2.5	B07A B07A (8-10) 12/09/13 8-10	B07B B07B (0-2) 12/10/13 0-2	B07B B07B (3-5) 12/10/13 3-5	B07B B07B (8-10) 12/10/13 8-10	B07B B07B (13-15) 12/10/13 13-15	B07C B07C (0-2) 12/10/13 0-2	B07C B07C (3-5) 12/10/13 3-5	B07C B07C (8-10) 12/10/13 8-10	B07C B07C (28-30) 12/10/13 28-30	B07D B07D (0-2) 12/10/13 0-2	B07D B07D (3-5) 12/10/13 3-5	B07D B07D (5.5) 12/10/13 5.5-5.5	B07D B07D (8-10) 12/10/13 8-10	B07G BO 7G (0-2) 12/13/13 0-2	B08.5E BO 8.5E (0-2) 12/13/13 0-2		
Volatile Organic Compounds (VOCs)																												
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	--	--	--	--	--	--	1.2 U	--	--	--	--	1.6 U	--	--	--	1.6 U	--	--	120. U	--	--	--	--	--
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	--	--	--	--	--	--	1.2 U	--	--	--	--	1.6 U	--	--	--	1.6 U	--	--	120. U	--	--	--	--	--
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
1,2-Dibromoethane	(ug/kg)	100	1000	4000000	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	--	--	--	--	--	--	2.8 U	--	--	--	--	3.7 U	--	--	--	3.9 U	--	--	280. U	--	--	--	--	--
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
Bromodichloromethane	(ug/kg)	100	30000	5000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
Bromoform	(ug/kg)	1000	300000	10000000	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
Chlorobenzene	(ug/kg)	3000	100000	10000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
Chloroethane	(ug/kg)	NE	NE	NE	--	--	--	--	--	--	1.6 U	--	--	--	--	2.1 U	--	--	--	2.2 U	--	--	160. U	--	--	--	--	--
Chloroform	(ug/kg)	200	500000	8000000	--	--	--	--	--	--	1.2 U	--	--	--	--	1.6 U	--	--	--	1.6 U	--	--	120. U	--	--	--	--	--
Chloromethane	(ug/kg)	NE	NE	NE	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
Dibromochloromethane	(ug/kg)	30	20000	5000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	--	--	--	--	--	--	8.0 U	--	--	--	--	11. U	--	--	--	11. U	--	--	820. U	--	--	--	--	--
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
Methylene Chloride	(ug/kg)	4000	400000	7000000	--	--	--	--	--	--	8.0 U	--	--	--	--	11. U	--	--	--	11. U	--	--	820. U	--	--	--	--	--
Tetrachloroethene	(ug/kg)	10000	30000	10000000	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
Trichloroethene	(ug/kg)	300	30000	6000000	--	--	--	--	--	--	0.96	--	--	--	--	1.1 U	--	--	--	180.	--	--	82. U	--	--	--	--	--
Vinyl chloride	(ug/kg)	700	1000	6000000	--	--	--	--	--	--	1.6 U	--	--	--	--	100.	--	--	--	9.7	--	--	160. U	--	--	--	--	--
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	--	--	--	--	--	--	0.80 U	--	--	--	--	85.	--	--	--	220.	--	--	82. U	--	--	--	--	--
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
o-Chlorotoluene	(ug/kg)	NE	NE	NE	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
p-Chlorotoluene	(ug/kg)	NE	NE	NE	--	--	--	--	--	--	3.2 U	--	--	--	--	4.2 U	--	--	--	4.4 U	--	--	330. U	--	--	--	--	--
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	--	--	--	--	--	--	1.2 U	--	--	--	--	1.6 U	--	--	--	8.7	--	--	120. U	--	--	--	--	--
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	--	--	--	--	--	0.80 U	--	--	--	--	1.1 U	--	--	--	1.1 U	--	--	82. U	--	--	--	--	--
Polychlorinated Biphenyls (PCBs)																												
Aroclor 1016	(ug/kg)	NE	NE	NE	11000. U	156. U	10800. U	56800. U	52600. U	20.5 U	20.1 U	21.4 U	200. U	199. U	21.3 U	22.4 U	2050. U	540. U	117. U	21.8 U	1090. U	22.5 U	23.9 U	23.1 U	1040. U	8670. U		
Aroclor 1221	(ug/kg)	NE	NE	NE	11000. U	156. U	10800. U	56800. U	52600. U	20.5 U	20.1 U	21.4 U	200. U	199. U	21.3 U	22.4 U	2050. U	540. U	117. U	21.8 U	1090. U	22.5 U	23.9 U	23.1 U	1040. U	8670. U		
Aroclor 1232	(ug/kg)	NE	NE	NE	11000. U	156. U	10800. U	56800. U	52600. U	20.5 U	20.1 U	21.4 U	200. U	199. U	21.3 U	22.4 U	2050. U	540. U	117. U	21.8 U	1090. U	22.5 U	23.9 U	23.1 U	1040. U	8670. U		
Aroclor 1242	(ug/kg)	NE	NE	NE	11000. U	156. U	10800. U	56800. U	52600. U	20.5 U	176.	21.4 U	2840.	199. U	21.3 U	22.4 U	2050. U	540. U	117. U	21.8 U	1090. U	22.5 U	23.9 U	23.1 U	1040. U	8670. U		
Aroclor 1248	(ug/kg)	NE	NE	NE	58600.	1280.	90300.	37900. U	35100. U	13.7 U	13.4 U	14.3 U	134. U	2380.	14.2 U	14.9 U	1370. U	360. U	77.7 U	14.5 U	724. U	15.0 U	15.9 U	15.4 U	696. U	5780. U		
Aroclor 1254	(ug/kg)	NE	NE	NE	19800.	1100.	81400.	363000.	533000.	238.	103.	21.4 U	2910.	2230.	21.3 U	22.4 U	48200.	540. U	117. U	21.8 U	9620.	22.5 U	23.9 U	23.1 U	11300.	77200.		
Aroclor 1260	(ug/kg)	NE	NE	NE	7370. U	104. U	7230. U	37900. U	35100. U	13.7 U	13.4 U	14.3 U	134. U	132. U	14.2 U	14.9 U	1370. U	360. U	77.7 U	14.5 U	724. U	15.0 U	15.9 U	15.4 U	696. U	5780. U		
Aroclor 1262	(ug/kg)	NE	NE	NE	3680. U	52.0 U	3620. U	18900. U	17600. U	6.84 U	6.71 U	7.14 U	66.8 U	66.3 U	7.11 U	7.47 U	684. U	180. U	38.9 U	7.26 U	362. U	7.51 U	7.96 U	7.71 U	348. U	2890. U		
Aroclor 1268	(ug/kg)	NE	NE	NE	3680. U	52.0 U	3620. U	18900. U	17600. U	6.84 U	6.71 U	7.14 U	66.8 U	66.3 U	7.11 U	7.47 U	684. U	180. U	38.9 U	7.26 U	362. U	7.51 U	7.96 U	7.71 U	348. U	2890. U		
Total PCBs	(ug/kg)	1000	1000	100000	78400.	2380.	[171700.]	[363000.]	[533000.]	238.	279.	N D	5750.	4610.	N D	48200.	N D	N D	N D	9620.	N D	N D	11300.	77200.				

Notes:
 (ug/kg) = Micrograms per kilogram
 (ft bgs) = Feet below ground surface
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 E = Concentration exceeds instrument calibration
 ND = Not Detected
 -- = Not analyzed for this constituent
 Sample collection depth in feet below ground surface
 noted in parenthesis in Sample ID
 NE = Not Established
 Total PCBs calculated by summing detected concentrations
 MCP = Massachusetts Contingency Plan
 S1/GW3 = MCP Method 1 Soil Category S-1 in a GW-3 Area Soil Standards
 S1/GW2 = MCP Method 1 Soil Category S-1 in a GW-2 Area Soil Standards
 UCL = MCP Method 3 Soil Upper Concentration Limit
 [] and shaded value indicates concentration is above UCL
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Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	B08.5F BO 8.5F (0-2) 12/13/13 0-2	B08.5F DUP-03 12/13/13 0-2	B08A B08A (5-7) 12/12/13 5-7	B08A B08A (28-30) 12/12/13 28-30	B08A DUP-02 12/12/13 28-30	B08B B08B (0-2) 12/11/13 0-2	B08B B08B (3-5) 12/11/13 3-5	B08B B08B (8-10) 12/11/13 8-10	B08B B08B (26.5) 12/11/13 26.5-26.5	B08B B08B (26.5) 12/11/13 26.5-26.5	B08BC B08BC (0-2) 12/20/13 0-2	B08BC B08BC (5-6) 12/20/13 5-6	B08BC B08BC (13-15) 12/20/13 13-15	B08C B08C (0-2) 12/11/13 0-2	B08C B08C (3-5) 12/11/13 3-5	B08C B08C (28-30) 12/11/13 28-30	B08D B08D (0-2) 12/10/13 0-2	B08D B08D (3-5) 12/10/13 3-5	B08D B08D (12.5) 12/10/13 12.5-12.5	B08G BO 8G (0-2) 12/13/13 0-2	B08H BO 8H (0-2) 12/13/13 0-2	B09A B09A (0-2) 12/11/13 0-2	B09A B09A (3-5) 12/11/13 3-5		
Volatile Organic Compounds (VOCs)																													
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	--	--	--	1.7 U	1.5 U	--	--	--	1.2 U	120. U	--	11. U	--	--	--	1.7 U	--	--	21. U	--	--	--	--	--	--
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	--	--	--	1.7 U	1.5 U	--	--	--	1.2 U	120. U	--	11. U	--	--	--	1.7 U	--	--	21. U	--	--	--	--	--	--
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	--	--	--	1.1 U	1.0 U	--	--	--	1.8	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	--	--	--	4.9	4.4	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
1,2-Dibromoethane	(ug/kg)	100	1000	400000	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	--	--	--	4.0 U	3.6 U	--	--	--	2.7 U	270. U	--	26. U	--	--	--	4.0 U	--	--	48. U	--	--	--	--	--	--
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
Bromodichloromethane	(ug/kg)	100	30000	5000000	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
Bromoform	(ug/kg)	1000	300000	10000000	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
Chlorobenzene	(ug/kg)	3000	100000	10000000	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
Chloroethane	(ug/kg)	NE	NE	NE	--	--	--	2.3 U	2.0 U	--	--	--	1.5 U	150. U	--	15. U	--	--	--	2.3 U	--	--	27. U	--	--	--	--	--	--
Chloroform	(ug/kg)	200	500000	8000000	--	--	--	1.7 U	1.5 U	--	--	--	1.2 U	120. U	--	11. U	--	--	--	1.7 U	--	--	21. U	--	--	--	--	--	--
Chloromethane	(ug/kg)	NE	NE	NE	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
Dibromochloromethane	(ug/kg)	30	20000	5000000	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	--	--	--	11. U	10. U	--	--	--	7.7 U	770. U	--	74. U	--	--	--	11. U	--	--	140. U	--	--	--	--	--	--
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
Methylene Chloride	(ug/kg)	4000	400000	7000000	--	--	--	11. U	10. U	--	--	--	7.7 U	770. U	--	74. U	--	--	--	11. U	--	--	140. U	--	--	--	--	--	--
Tetrachloroethene	(ug/kg)	10000	30000	10000000	--	--	--	1.1 U	1.0 U	--	--	--	48.	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
Trichloroethene	(ug/kg)	300	30000	600000	--	--	--	78.	73.	--	--	--	230. E	220.	--	26.	--	--	--	7.3	--	--	14. U	--	--	--	--	--	--
Vinyl chloride	(ug/kg)	700	1000	600000	--	--	--	2.3 U	2.0 U	--	--	--	35.	150. U	--	15. U	--	--	--	4.5	--	--	75.	--	--	--	--	--	--
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	--	--	--	42.	42.	--	--	--	210. E	210.	--	7.4 U	--	--	--	74.	--	--	200.	--	--	--	--	--	--
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
o-Chlorotoluene	(ug/kg)	NE	NE	NE	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
p-Chlorotoluene	(ug/kg)	NE	NE	NE	--	--	--	4.5 U	4.0 U	--	--	--	3.1 U	310. U	--	30. U	--	--	--	4.5 U	--	--	55. U	--	--	--	--	--	--
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	--	--	--	1.7 U	1.5 U	--	--	--	25.	120. U	--	11. U	--	--	--	2.1	--	--	21. U	--	--	--	--	--	--
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	--	--	1.1 U	1.0 U	--	--	--	0.77 U	77. U	--	7.4 U	--	--	--	1.1 U	--	--	14. U	--	--	--	--	--	--
Polychlorinated Biphenyls (PCBs)																													
Aroclor 1016	(ug/kg)	NE	NE	NE	11200. U	10900. U	21.0 U	22.4 U	22.1 U	42600. U	23.2 U	25.0 U	24.0 U	--	2050. U	66.8 U	21.8 U	13000. U	33.6 U	20.7 U	10600. U	23.2 U	106. U	10700. U	9010. U	20.9 U	22.3 U	22.3 U	
Aroclor 1221	(ug/kg)	NE	NE	NE	11200. U	10900. U	21.0 U	22.4 U	22.1 U	42600. U	23.2 U	25.0 U	24.0 U	--	2050. U	66.8 U	21.8 U	13000. U	33.6 U	20.7 U	10600. U	23.2 U	106. U	10700. U	9010. U	20.9 U	22.3 U	22.3 U	
Aroclor 1232	(ug/kg)	NE	NE	NE	11200. U	10900. U	21.0 U	22.4 U	22.1 U	42600. U	23.2 U	25.0 U	24.0 U	--	2050. U	66.8 U	21.8 U	13000. U	33.6 U	20.7 U	10600. U	23.2 U	106. U	10700. U	9010. U	20.9 U	22.3 U	22.3 U	
Aroclor 1242	(ug/kg)	NE	NE	NE	11200. U	10900. U	21.0 U	275.	174.	42600. U	23.2 U	25.0 U	44.7	--	2050. U	1760.	248.	13000. U	33.6 U	20.7 U	10600. U	23.2 U	106. U	10700. U	9010. U	20.9 U	22.3 U	22.3 U	
Aroclor 1248	(ug/kg)	NE	NE	NE	7450. U	7280. U	14.0 U	14.9 U	14.7 U	28400. U	15.5 U	16.6 U	16.0 U	--	1370. U	44.6 U	14.5 U	8640. U	22.4 U	13.8 U	7030. U	15.4 U	70.6 U	7110. U	6010. U	13.9 U	14.9 U	14.9 U	
Aroclor 1254	(ug/kg)	NE	NE	NE	245000.	160000.	21.0 U	22.4 U	22.1 U	1000000.	145.	25.0 U	24.0 U	--	24000.	873.	21.8 U	120000.	38.5	20.7 U	66300.	156.	324.	295000.	198000.	22.8	22.3 U	22.3 U	
Aroclor 1260	(ug/kg)	NE	NE	NE	7450. U	7280. U	14.0 U	14.9 U	14.7 U	28400. U	15.5 U	16.6 U	16.0 U	--	1370. U	44.6 U	14.5 U	8640. U	22.4 U	13.8 U	7030. U	15.4 U	70.6 U	7110. U	6010. U	13.9 U	14.9 U	14.9 U	
Aroclor 1262	(ug/kg)	NE	NE	NE	3720. U	3640. U	7.00 U	7.46 U	7.36 U	14200. U	7.74 U	8.32 U	8.00 U	--	684. U	22.3 U	7.26 U	4320. U	11.2 U	6.92 U	3520. U	7.73 U	35.3 U	3560. U	3000. U	6.97 U	7.43 U	7.43 U	
Aroclor 1268	(ug/kg)	NE	NE	NE	3720. U	3640. U	7.00 U	7.46 U	7.36 U	14200. U	7.74 U	8.32 U	8.00 U	--	684. U	22.3 U	7.26 U	4320. U	11.2 U	6.92 U	3520. U	7.73 U	35.3 U	3560. U	3000. U	6.97 U	7.43 U	7.43 U	
Total PCBs	(ug/kg)	1000	1000	100000	[245000.]	[160000.]	N D	275.	174.	[1000000.]	145.	N D	44.7	--	24000.	2633.	248.	[120000.]	38.5	N D	66300.	156.	324.	[295000.]	[1				

Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	B09A B09A (8-10) 12/11/13 8 - 10	B09A B09A (35-37) 12/11/13 35 - 37	B09A B09A (35-37) 12/11/13 35 - 37	B09B B09B (0-2) 12/12/13 0 - 2	B09B B09B (3-5) 12/12/13 3 - 5	B09B B09B (8-10) 12/12/13 8 - 10	B09B B09B (20.5) 12/12/13 20.5 - 20.5	B09C B09C (0-2) 12/13/13 0 - 2	B09C B09C (3-5) 12/13/13 3 - 5	B09C B09C (8-10) 12/13/13 8 - 10	B09C B09C (23-25) 12/13/13 23 - 25	B09D B09D (0-2) 12/13/13 0 - 2	B09D B09D (3-5) 12/13/13 3 - 5	B09D B09D (8-10) 12/13/13 8 - 10	B09D B09D (13-15) 12/13/13 13 - 15	B10A B10A (0-2) 12/16/13 0 - 2	B10A B10A (3-5) 12/16/13 3 - 5	B10A B10A (8-10) 12/16/13 8 - 10	B10A B10A (17-18) 12/16/13 17 - 18	B10A B10A (23) 12/16/13 23 - 23	B10B B10B (0-2) 12/16/13 0 - 2	B10B B10B (3-5) 12/16/13 3 - 5	B10B B10B (25.5) 12/16/13 25.5 - 25.5
Volatiles Organic Compounds (VOCs)																											
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	--	1.1 U	110. U	--	--	--	120. U	--	--	--	1.6 U	--	--	--	3.6 U	--	--	--	--	69. U	--	--	1.1
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	--	1.1 U	110. U	--	--	--	120. U	--	--	--	1.6 U	--	--	--	3.6 U	--	--	--	--	69. U	--	--	0.96 U
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	--	3.8	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6
1,2-Dibromoethane	(ug/kg)	100	1000	4000000	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	--	2.6 U	250. U	--	--	--	280. U	--	--	--	3.8 U	--	--	--	8.3 U	--	--	--	--	160. U	--	--	2.2 U
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
Bromodichloromethane	(ug/kg)	100	30000	5000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
Bromoform	(ug/kg)	1000	300000	10000000	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
Chlorobenzene	(ug/kg)	3000	100000	10000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
Chloroethane	(ug/kg)	NE	NE	NE	--	1.4 U	140. U	--	--	--	160. U	--	--	--	2.2 U	--	--	--	4.7 U	--	--	--	--	92. U	--	--	1.3 U
Chloroform	(ug/kg)	200	500000	8000000	--	1.1 U	110. U	--	--	--	120. U	--	--	--	1.6 U	--	--	--	3.6 U	--	--	--	--	69. U	--	--	0.96 U
Chloromethane	(ug/kg)	NE	NE	NE	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
Dibromochloromethane	(ug/kg)	30	20000	5000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	--	7.3 U	720. U	--	--	--	810. U	--	--	--	11. U	--	--	--	24. U	--	--	--	--	460. U	--	--	6.4 U
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
Methylene Chloride	(ug/kg)	4000	400000	7000000	--	7.3 U	720. U	--	--	--	810. U	--	--	--	11. U	--	--	--	24. U	--	--	--	--	460. U	--	--	6.4 U
Tetrachloroethene	(ug/kg)	10000	30000	10000000	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
Trichloroethene	(ug/kg)	300	30000	6000000	--	180. E	450.	--	--	--	840.	--	--	--	130.	--	--	--	2.4 U	--	--	--	--	1800.	--	--	490. E
Vinyl chloride	(ug/kg)	700	1000	6000000	--	3.4	140. U	--	--	--	160. U	--	--	--	2.2 U	--	--	--	79.	--	--	--	--	92. U	--	--	1.3 U
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	--	80.	170.	--	--	--	150.	--	--	--	16.	--	--	--	110.	--	--	--	--	140.	--	--	28.
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
o-Chlorotoluene	(ug/kg)	NE	NE	NE	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
p-Chlorotoluene	(ug/kg)	NE	NE	NE	--	2.9 U	290. U	--	--	--	320. U	--	--	--	4.3 U	--	--	--	9.5 U	--	--	--	--	180. U	--	--	2.6 U
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	--	1.1 U	110. U	--	--	--	120. U	--	--	--	1.6 U	--	--	--	3.8	--	--	--	--	69. U	--	--	0.96 U
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	0.73 U	72. U	--	--	--	81. U	--	--	--	1.1 U	--	--	--	2.4 U	--	--	--	--	46. U	--	--	0.64 U
Polychlorinated Biphenyls (PCBs)																											
Aroclor 1016	(ug/kg)	NE	NE	NE	21.1 U	22.2 U	--	4050. U	124. U	21.2 U	23.5 U	2000. U	494. U	123. U	20.8 U	54600. U	22.5 U	68.8 U	35.9 U	210. U	22100. U	23.0 U	22.5 U	22.4 U	11200. U	21.5 U	23.3 U
Aroclor 1221	(ug/kg)	NE	NE	NE	21.1 U	22.2 U	--	4050. U	124. U	21.2 U	23.5 U	2000. U	494. U	123. U	20.8 U	54600. U	22.5 U	68.8 U	35.9 U	210. U	22100. U	23.0 U	22.5 U	22.4 U	11200. U	21.5 U	23.3 U
Aroclor 1232	(ug/kg)	NE	NE	NE	21.1 U	22.2 U	--	4050. U	124. U	21.2 U	23.5 U	2000. U	494. U	123. U	20.8 U	54600. U	22.5 U	68.8 U	35.9 U	210. U	22100. U	23.0 U	22.5 U	22.4 U	11200. U	21.5 U	23.3 U
Aroclor 1242	(ug/kg)	NE	NE	NE	21.1 U	22.2 U	--	4050. U	124. U	21.2 U	135.	2000. U	494. U	123. U	20.8 U	54600. U	22.5 U	68.8 U	35.9 U	210. U	22100. U	23.0 U	61.5	45.4	11200. U	21.5 U	48.8
Aroclor 1248	(ug/kg)	NE	NE	NE	14.1 U	14.8 U	--	93200.	1500.	14.2 U	15.6 U	1330. U	329. U	81.8 U	13.9 U	752000.	15.0 U	45.9 U	24.0 U	4040.	104000.	226.	15.0 U	14.9 U	7480. U	14.3 U	15.6 U
Aroclor 1254	(ug/kg)	NE	NE	NE	21.1 U	22.2 U	--	104000.	530.	21.2 U	58.0	30200.	1590.	123. U	20.8 U	511000.	248.	68.8 U	35.9 U	4140.	109000.	286.	22.5 U	22.4 U	288000.	21.5 U	51.1
Aroclor 1260	(ug/kg)	NE	NE	NE	14.1 U	14.8 U	--	2700. U	82.4 U	14.2 U	65.3	1330. U	4180.	81.8 U	17.6	96000.	15.0 U	45.9 U	24.0 U	140. U	14800. U	15.4 U	15.0 U	14.9 U	7480. U	14.3 U	15.6 U
Aroclor 1262	(ug/kg)	NE	NE	NE	7.03 U	7.40 U	--	1350. U	41.2 U	7.08 U	7.83 U	666. U	164. U	40.9 U	6.93 U	18200. U	7.52 U	22.9 U	12.0 U	69.8 U	7380. U	7.69 U	7.50 U	7.47 U	3740. U	7.15 U	7.78 U
Aroclor 1268	(ug/kg)	NE	NE	NE	7.03 U	7.40 U	--	1350. U	41.2 U	7.08 U	7.83 U	666. U	164. U	40.9 U	6.93 U	18200. U	7.52 U	22.9 U	12.0 U	69.8 U	7380. U	7.69 U	7.50 U	7.47 U	3740. U	7.15 U	7.78 U
Total PCBs	(ug/kg)	1000	1000	100000	N D	N D	--	[197200.]	2030.	N D	258.3	30200.	5770.	N D	17.6	[1359000.]	248.	N D	N D	8180.	[213000.]	512.	61.5	45.4	[288000.]	N D	99.9

Notes:
 (ug/kg) = Micrograms per kilogram
 (ft bgs) = Feet below ground surface
 U = Constituent not detected at listed reporting limit
 E = Concentration exceeds instrument calibration
 ND = Not Detected
 -- = Not analyzed for this constituent
 Sample collection depth in feet below ground surface
 noted in parenthesis in Sample ID
 NE = Not Established
 Total PCBs calculated by summing detected concentrations
 MCP = Massachusetts Contingency Plan
 S1/GW3 = MCP Method 1 Soil Category S-1 in a GW-3 Area Soil Standards
 S1/GW2 = MCP Method 1 Soil Category S-1 in a GW-2 Area Soil Standards
 UCL = MCP Method 3 Soil Upper Concentration Limit
 [] and shaded value indicates concentration is above UCL
 The S-1 standards are shown for informational purposes only,
 because a Method 3 Risk Characterization will be completed

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New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	B10B B10B (25.5) 12/16/13 25.5 - 25.5	B10B DUP-04 12/16/13 25.5 - 25.5	B10B DUP-04 12/16/13 25.5 - 25.5	B10C B10C (0-2) 12/16/13 0 - 2	B10C B10C (3-5) 12/16/13 3 - 5	B10C B10C (8-10) 12/16/13 8 - 10	B10C B10C (11.5) 12/16/13 11.5 - 11.5	B15 B15 (22-24) 02/20/14 22 - 24	MIP03 MIP03 (0-2) 12/19/13 0 - 2	MIP03 MIP03 (3-5) 12/19/13 3 - 5	MIP03 MIP03 (12.5-13.5) 12/19/13 12.5 - 13.5	MIP11 MIP11 (0-2) 12/19/13 0 - 2	MIP11 MIP11 (3-5) 12/19/13 3 - 5	MIP11 MIP11 (8-10) 12/19/13 8 - 10	MIP11 MIP11 (24-25) 12/19/13 24 - 25	MIP11 MIP11 (27.5) 12/19/13 27.5 - 27.5	MIP15 MIP15 (0-2) 12/19/13 0 - 2	MIP15 MIP15 (8) 12/19/13 8 - 8	MIP15 MIP15 (8-10) 12/19/13 8 - 10	MIP15 MIP15 (21.5-22.5) 12/19/13 21.5 - 22.5	MIP15 MIP15 (24) 12/19/13 24 - 24	MIP15 MIP15 (24-24) 12/19/13 24 - 24	
Volatile Organic Compounds (VOCs)																											
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	100. U	2.0	110. U	--	--	--	14. U	110. U	--	--	81. U	--	--	--	670. U	490. U	--	380. U	4.2 U	--	--	18000. U	430. U
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	100. U	0.91 U	110. U	--	--	--	14. U	110. U	--	--	81. U	--	--	--	670. U	490. U	--	380. U	4.2 U	--	--	18000. U	430. U
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	270. U	3.1	300. U	--	--	--	37. U	290. U	--	--	800.	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	120000.	6100.
1,2-Dibromoethane	(ug/kg)	100	1000	400000	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	240. U	2.1 U	260. U	--	--	--	32. U	250. U	--	--	190. U	--	--	--	1600. U	1100. U	--	900. U	9.8 U	--	--	41000. U	1000. U
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
Bromodichloromethane	(ug/kg)	100	30000	5000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
Bromoform	(ug/kg)	1000	300000	10000000	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
Chlorobenzene	(ug/kg)	3000	100000	10000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
Chloroethane	(ug/kg)	NE	NE	NE	140. U	1.2 U	150. U	--	--	--	18. U	140. U	--	--	110. U	--	--	--	890. U	650. U	--	510. U	5.6 U	--	--	24000. U	580. U
Chloroform	(ug/kg)	200	500000	8000000	100. U	0.91 U	110. U	--	--	--	14. U	110. U	--	--	81. U	--	--	--	670. U	490. U	--	380. U	4.2 U	--	--	18000. U	430. U
Chloromethane	(ug/kg)	NE	NE	NE	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
Dibromochloromethane	(ug/kg)	30	20000	5000000	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	680. U	6.1 U	750. U	--	--	--	92. U	720. U	--	--	540. U	--	--	--	4400. U	3200. U	--	2600. U	28. U	--	--	120000. U	2900. U
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
Methylene Chloride	(ug/kg)	4000	400000	7000000	680. U	6.1 U	750. U	--	--	--	92. U	720. U	--	--	540. U	--	--	--	4400. U	3200. U	--	2600. U	28. U	--	--	120000. U	2900. U
Tetrachloroethene	(ug/kg)	10000	30000	10000000	68. U	0.95	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	450000.	6900.
Trichloroethene	(ug/kg)	300	30000	600000	68. U	1500. E	650.	--	--	--	9.2 U	860.	--	--	54. U	--	--	--	65000.	47000.	--	260. U	12.	--	--	[1600000.]	19000.
Vinyl chloride	(ug/kg)	700	1000	600000	140. U	4.2	150. U	--	--	--	18. U	140. U	--	--	110. U	--	--	--	890. U	650. U	--	510. U	5.6 U	--	--	24000. U	580. U
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	68. U	69.	75. U	--	--	--	18.	150.	--	--	54. U	--	--	--	1100.	490.	--	260. U	9.8	--	--	24000.	500.
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
o-Chlorotoluene	(ug/kg)	NE	NE	NE	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
p-Chlorotoluene	(ug/kg)	NE	NE	NE	270. U	2.4 U	300. U	--	--	--	37. U	290. U	--	--	220. U	--	--	--	1800. U	1300. U	--	1000. U	11. U	--	--	47000. U	1200. U
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	100. U	0.91 U	110. U	--	--	--	14. U	110. U	--	--	81. U	--	--	--	670. U	490. U	--	380. U	4.2 U	--	--	18000. U	430. U
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	68. U	0.61 U	75. U	--	--	--	9.2 U	72. U	--	--	54. U	--	--	--	440. U	320. U	--	260. U	2.8 U	--	--	12000. U	290. U
Polychlorinated Biphenyls (PCBs)																											
Aroclor 1016	(ug/kg)	NE	NE	NE	--	25.1 U	--	21300. U	10800. U	24.8 U	98.6 U	23.7 U	20600. U	36.9 U	21.0 U	206000. U	108. U	230. U	24.0 U	22.1 U	8240. U	41.5 U	32.9 U	112000. U	419000. U	521000. U	
Aroclor 1221	(ug/kg)	NE	NE	NE	--	25.1 U	--	21300. U	10800. U	24.8 U	98.6 U	23.7 U	20600. U	36.9 U	21.0 U	206000. U	108. U	230. U	24.0 U	22.1 U	8240. U	41.5 U	32.9 U	112000. U	419000. U	521000. U	
Aroclor 1232	(ug/kg)	NE	NE	NE	--	25.1 U	--	21300. U	10800. U	24.8 U	98.6 U	23.7 U	20600. U	36.9 U	21.0 U	206000. U	108. U	230. U	24.0 U	22.1 U	8240. U	41.5 U	32.9 U	112000. U	419000. U	521000. U	
Aroclor 1242	(ug/kg)	NE	NE	NE	--	30.1	--	21300. U	10800. U	24.8 U	98.6 U	110.	20600. U	36.9 U	21.0 U	206000. U	108. U	230. U	24.0 U	22.1 U	8240. U	41.5 U	32.9 U	1240000.	6710000.	5560000.	
Aroclor 1248	(ug/kg)	NE	NE	NE	--	16.7 U	--	141000.	49200.	179.	65.7 U	15.8 U	13800. U	24.6 U	14.5	138000. U	72.1 U	154. U	16.0 U	14.7 U	5500. U	27.6 U	21.9 U	75000. U	280000. U	347000. U	
Aroclor 1254	(ug/kg)	NE	NE	NE	--	25.1 U	--	158000.	48600.	236.	968.	29.6	192000.	283.	21.0 U	5540000.	919.	2090.	210.	205.	150000.	41.5 U	32.9 U	405000.	2330000.	1920000.	
Aroclor 1260	(ug/kg)	NE	NE	NE	--	16.7 U	--	14200. U	7230. U	16.5 U	65.7 U	15.8 U	13800. U	24.6 U	14.0 U	138000. U	72.1 U	154. U	16.0 U	14.7 U	5500. U	27.6 U	21.9 U	75000. U	280000. U	347000. U	
Aroclor 1262	(ug/kg)	NE	NE	NE	--	8.35 U	--	7110. U	3610. U	8.27 U	32.8 U	7.90 U	6880. U	12.3 U	7.01 U	68800. U	36.1 U	76.8 U	8.00 U	7.35 U	2750. U	13.8 U	11.0 U	37500. U	140000. U	174000. U	
Aroclor 1268	(ug/kg)	NE	NE	NE	--	8.35 U	--	7110. U	3610. U	8.27 U																	

Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	MIP15 MIP15 (26) 12/19/13 26 - 26	MIP15 MIP15 (28-30) 12/19/13 28 - 30	MIP23 MIP23 (0-2) 12/20/13 0 - 2	MIP23 MIP23 (4-5) 12/20/13 4 - 5	MIP23 MIP23 (5-6) 12/20/13 5 - 6	MIP23 MIP23 (5-6) 12/20/13 5 - 6	MIP23 MIP23 (8-10) 12/20/13 8 - 10	MIP23 MIP23 (13-15) 12/20/13 13 - 15	MIP23 MIP23 (26) 12/20/13 26 - 26	MIP43 MIP43 (0-2) 12/20/13 0 - 2	MIP43 MIP43 (4) 12/20/13 4 - 4	MW-2B MW02B (4-6) 02/12/14 4 - 6	MW-2B MW 2B (24-26) 02/14/14 24 - 26	MW-4S MW-4S (0-2) 02/03/14 0 - 2	MW-4S MW-4S (2-4) 02/03/14 2 - 4	MW-4S MW-4S (4-5) 02/03/14 4 - 5	MW-4S MW4S (11-13) 02/06/14 11 - 13	MW-6B MW6B (41-43) 02/04/14 41 - 43	MW-7B MW 7B (20-22) 02/18/14 20 - 22	MW-7B MW 7B (26-28) 02/19/14 26 - 28	
Volatile Organic Compounds (VOCs)																									
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	--	--	20	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	--	--	--	1100. U	160. U	--	--	--	--	--	160. U	83. U	66. U	--	--	--	140. U	1.3 U	66. U	130. U	
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	--	--	--	1100. U	160. U	--	--	--	--	--	160. U	83. U	66. U	--	--	--	140. U	1.3 U	66. U	130. U	
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
1,2-Dibromoethane	(ug/kg)	100	1000	4000000	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	--	--	--	2500. U	370. U	--	--	--	--	--	380. U	190. U	150. U	--	--	--	320. U	3.0 U	150. U	300. U	
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	--	--	--	10000. U	860. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	--	--	--	32000. U	2400. U	--	--	--	--	--	430. U	460. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
Bromodichloromethane	(ug/kg)	100	30000	5000000	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
Bromoform	(ug/kg)	1000	300000	10000000	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
Chlorobenzene	(ug/kg)	3000	100000	10000000	--	--	--	56000. U	4100. U	--	--	--	--	--	110. U	190. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
Chloroethane	(ug/kg)	NE	NE	NE	--	--	--	1400. U	210. U	--	--	--	--	--	220. U	110. U	88. U	--	--	--	180. U	1.7 U	88. U	170. U	
Chloroform	(ug/kg)	200	500000	8000000	--	--	--	1100. U	160. U	--	--	--	--	--	160. U	83. U	66. U	--	--	--	140. U	1.3 U	66. U	130. U	
Chloromethane	(ug/kg)	NE	NE	NE	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
Dibromochloromethane	(ug/kg)	30	20000	5000000	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	--	--	--	7200. U	1000. U	--	--	--	--	--	1100. U	550. U	440. U	--	--	--	910. U	8.6 U	440. U	850. U	
Hexachlorobutadiene	(ug/kg)	30000	30000	10000000	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
Methylene Chloride	(ug/kg)	4000	400000	7000000	--	--	--	7200. U	1000. U	--	--	--	--	--	1100. U	550. U	440. U	--	--	--	910. U	8.6 U	440. U	850. U	
Tetrachloroethene	(ug/kg)	10000	30000	10000000	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
Trichloroethene	(ug/kg)	300	30000	6000000	--	--	--	720. U	100. U	--	--	--	--	--	2400. U	91. U	760. U	--	--	--	91. U	27. U	1300. U	1300. U	
Vinyl chloride	(ug/kg)	700	1000	6000000	--	--	--	1400. U	210. U	--	--	--	--	--	220. U	110. U	88. U	--	--	--	180. U	1.7 U	88. U	170. U	
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	--	--	--	720. U	100. U	--	--	--	--	--	440. U	130. U	44. U	--	--	--	91. U	14. U	84. U	90. U	
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
o-Chlorotoluene	(ug/kg)	NE	NE	NE	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
p-Chlorotoluene	(ug/kg)	NE	NE	NE	--	--	--	2900. U	420. U	--	--	--	--	--	430. U	220. U	180. U	--	--	--	360. U	3.4 U	180. U	340. U	
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	--	--	--	1100. U	160. U	--	--	--	--	--	160. U	83. U	66. U	--	--	--	140. U	1.3 U	66. U	130. U	
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	--	--	--	720. U	100. U	--	--	--	--	--	110. U	55. U	44. U	--	--	--	91. U	0.86 U	44. U	85. U	
Polychlorinated Biphenyls (PCBs)																									
Aroclor 1016	(ug/kg)	NE	NE	NE	58200. U	11100. U	118000. U	30100. U	24800. U	93500. U	47.6 U	36.0 U	23.8 U	2020. U	42.8 U	--	--	1050. U	115. U	48.2 U	23.6 U	22.6 U	20.3 U	22.4 U	
Aroclor 1221	(ug/kg)	NE	NE	NE	58200. U	11100. U	118000. U	30100. U	24800. U	93500. U	47.6 U	36.0 U	23.8 U	2020. U	42.8 U	--	--	1050. U	115. U	48.2 U	23.6 U	22.6 U	20.3 U	22.4 U	
Aroclor 1232	(ug/kg)	NE	NE	NE	58200. U	11100. U	118000. U	30100. U	24800. U	93500. U	47.6 U	36.0 U	23.8 U	2020. U	42.8 U	--	--	1050. U	115. U	48.2 U	23.6 U	22.6 U	20.3 U	22.4 U	
Aroclor 1242	(ug/kg)	NE	NE	NE	964000. U	141000. U	1220000. U	633000. U	422000. U	1010000. U	520. U	237. U	44.2 U	2020. U	42.8 U	--	--	1050. U	115. U	48.2 U	23.6 U	22.6 U	20.3 U	22.4 U	
Aroclor 1248	(ug/kg)	NE	NE	NE	38800. U	7380. U	78500. U	20100. U	16600. U	62400. U	31.7 U	24.0 U	15.9 U	1340. U	28.5 U	--	--	703. U	76.8 U	32.1 U	15.7 U	136. U	13.6 U	215. U	
Aroclor 1254	(ug/kg)	NE	NE	NE	354000. U	48800. U	246000. U	119000. U	111000. U	299000. U	177. U	74.0 U	23.8 U	23800. U	860. U	--	--	12100. U	1380. U	298. U	49.8 U	168. U	39.1 U	373. U	
Aroclor 1260	(ug/kg)	NE	NE	NE	38800. U	7380. U	78500. U	20100. U	16600. U	62400. U	31.7 U	24.0 U	15.9 U	1340. U	28.5 U	--	--	703. U	76.8 U	32.1 U	15.7 U	15.0 U	13.6 U	14.9 U	
Aroclor 1262	(ug/kg)	NE	NE	NE	19400. U	3690. U	39300. U	10000. U	8280. U	31200. U	15.9 U	12.0 U	7.93 U	672. U	14.2 U	--	--	352. U	38.4 U	16.0 U	7.87 U	7.52 U	6.78 U	7.47 U	
Aroclor 1268	(ug/kg)	NE	NE	NE	19400. U	3690. U	39300. U	10000. U	8280. U	31200. U	15.9 U	12.0 U	7.93 U	672. U	14.2 U	--	--	352. U	38.4 U	16.0 U	7.87 U	7.52 U	6.78 U	7.47 U	
Total PCBs	(ug/kg)	1000	1000	100000	[1318000.]	[189800.]	[1466000.]	[752000.]	[533000.]	[1309000.]	697.	311.	44.2	23800.	860.	--	--	12100.	1380.	298.	49.8	304.	39.1	588.	

Notes:
 (ug/kg) = Micrograms per kilogram
 (ft bgs) = Feet below ground surface
 U = Constituent not detected at listed reporting limit
 E = Concentration exceeds instrument calibration
 ND = Not Detected
 -- = Not analyzed for this constituent
 Sample collection depth in feet below ground surface
 noted in parenthesis in Sample ID
 NE = Not Established
 Total PCBs calculated by summing detected concentrations
 MCP = Massachusetts Contingency Plan
 S1/GW3 = MCP Method 1 Soil Category S-1 in a GW-3 Area Soil Standards
 S1/GW2 = MCP Method 1 Soil Category S-1 in a GW-2 Area Soil Standards
 UCL = MCP Method 3 Soil Upper Concentration Limit
 [] and shaded value indicates concentration is above UCL
 The S-1 standards are shown for informational purposes only,
 because a Method 3 Risk Characterization will be completed

Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

Draft - Unvalidated Results

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	MW-10D	MW-10D	MW-10D	MW-10D	MW-11B	MW-13D	MW-13D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-16S	MW-17D	MW-17D	MW-18D	MW-18D	MW-18D
					MW-10D (16-18) 02/11/14 16 - 18	MW-10D (26-28) 02/11/14 26 - 28	MW10D (36-37) 02/11/14 36 - 37	MW10D (36-37) 02/11/14 36 - 37	MW-11B (8-9) 02/03/14 8 - 9	MW-13D (6-8) 02/04/14 6 - 8	MW13D (10-12) 02/04/14 10 - 12	MW15D (20-22) 02/20/14 20 - 22	MW15D (26-28) 02/20/14 26 - 28	MW15D (26-28) 02/20/14 26 - 28	DUP-01 02/20/14 26 - 28	DUP-01 02/20/14 26 - 28	MW16S(9-11) 02/10/14 9 - 11	MW17D (20-22) 02/12/14 20 - 22	MW 17D (26-28) 02/14/14 26 - 28	MW-18D (0-2) 02/03/14 0 - 2	MW-18D (2-4) 02/03/14 2 - 4	MW-18D (4-5) 02/03/14 4 - 5
Volatile Organic Compounds (VOCs)																						
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	1.0 U	130. U	0.74 U	74. U	1.1 U	1.6 U	--	80. U	11000. U	--	7500. U	--	110. U	89. U	110. U	--	--	--
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	1.0 U	130. U	0.74 U	74. U	1.1 U	2.8	--	80. U	11000. U	--	7500. U	--	110. U	89. U	110. U	--	--	--
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	5000.	1200000.	--	1200000. E	740000.	310. U	240. U	300. U	--	--	--
1,2-Dibromoethane	(ug/kg)	100	1000	4000000	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	2.3 U	310. U	1.7 U	170. U	2.6 U	3.7 U	--	190. U	25000. U	--	18000. U	--	270. U	210. U	260. U	--	--	--
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	3.6	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	440.	48000.	--	42000.	--	310. U	240. U	300. U	--	--	--
Bromodichloromethane	(ug/kg)	100	30000	5000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
Bromoform	(ug/kg)	1000	300000	10000000	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
Chlorobenzene	(ug/kg)	3000	100000	10000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
Chloroethane	(ug/kg)	NE	NE	NE	1.3 U	180. U	0.99 U	99. U	1.5 U	2.1 U	--	110. U	14000. U	--	10000. U	--	150. U	120. U	150. U	--	--	--
Chloroform	(ug/kg)	200	500000	8000000	1.0 U	130. U	0.74 U	74. U	1.1 U	1.6 U	--	80. U	11000. U	--	7500. U	--	110. U	89. U	110. U	--	--	--
Chloromethane	(ug/kg)	NE	NE	NE	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
Dibromochloromethane	(ug/kg)	30	20000	5000000	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	6.6 U	900. U	5.0 U	500. U	7.6 U	11. U	--	540. U	72000. U	--	50000. U	--	770. U	590. U	740. U	--	--	--
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
Methylene Chloride	(ug/kg)	4000	400000	7000000	6.6 U	900. U	5.0 U	500. U	7.6 U	11. U	--	540. U	72000. U	--	50000. U	--	770. U	590. U	740. U	--	--	--
Tetrachloroethene	(ug/kg)	10000	30000	10000000	0.66 U	90. U	2.4	50. U	0.90	1.1 U	--	120.	1200000.	--	950000.	--	77. U	59. U	74. U	--	--	--
Trichloroethene	(ug/kg)	300	30000	600000	0.66 U	6200.	170. E	250.	0.76 U	17.	--	6400.	[3900000.] E	[3100000.]	[2800000.] E	[2000000.]	77. U	280.	3900.	--	--	--
Vinyl chloride	(ug/kg)	700	1000	600000	4.1	180. U	7.1	99. U	1.5 U	2.4	--	110. U	14000. U	--	10000. U	--	150. U	120. U	150. U	--	--	--
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	5.6	90. U	65.	83.	0.76 U	19.	--	120.	300000.	--	270000.	--	77. U	340.	350.	--	--	--
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
o-Chlorotoluene	(ug/kg)	NE	NE	NE	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
p-Chlorotoluene	(ug/kg)	NE	NE	NE	2.6 U	360. U	2.0 U	200. U	3.0 U	4.3 U	--	210. U	29000. U	--	20000. U	--	310. U	240. U	300. U	--	--	--
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	1.0 U	130. U	0.74 U	74. U	1.1 U	2.2	--	80. U	11000. U	--	7500. U	--	110. U	89. U	110. U	--	--	--
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	0.66 U	90. U	0.50 U	50. U	0.76 U	1.1 U	--	54. U	7200. U	--	5000. U	--	77. U	59. U	74. U	--	--	--
Polychlorinated Biphenyls (PCBs)																						
Aroclor 1016	(ug/kg)	NE	NE	NE	23.8 U	24.5 U	21.6 U	--	21.9 U	29.6 U	22.8 U	11700. U	527000. U	--	55300. U	--	24.0 U	112. U	23.2 U	1050. U	43.7 U	19.9 U
Aroclor 1221	(ug/kg)	NE	NE	NE	23.8 U	24.5 U	21.6 U	--	21.9 U	29.6 U	22.8 U	11700. U	527000. U	--	55300. U	--	24.0 U	112. U	23.2 U	1050. U	43.7 U	19.9 U
Aroclor 1232	(ug/kg)	NE	NE	NE	161.	147.	21.6 U	--	21.9 U	29.6 U	22.8 U	11700. U	527000. U	--	55300. U	--	24.0 U	112. U	23.2 U	1050. U	43.7 U	19.9 U
Aroclor 1242	(ug/kg)	NE	NE	NE	23.8 U	24.5 U	51.9	--	21.9 U	646.	22.8 U	180000.	6290000.	--	638000.	--	24.0 U	112. U	36.3	1050. U	43.7 U	19.9 U
Aroclor 1248	(ug/kg)	NE	NE	NE	15.8 U	16.3 U	14.4 U	--	14.6 U	19.7 U	15.2 U	7780. U	351000. U	--	36800. U	--	16.0 U	74.6 U	15.5 U	5860.	29.1 U	31.4
Aroclor 1254	(ug/kg)	NE	NE	NE	23.8 U	24.5 U	21.6 U	--	21.9 U	202.	22.8 U	66500.	2890000.	--	357000.	--	24.0 U	1200.	31.6	7750.	716.	37.3
Aroclor 1260	(ug/kg)	NE	NE	NE	15.8 U	16.3 U	14.4 U	--	14.6 U	19.7 U	15.2 U	7780. U	351000. U	--	36800. U	--	16.0 U	74.6 U	15.5 U	701. U	29.1 U	13.3 U
Aroclor 1262	(ug/kg)	NE	NE	NE	7.92 U	8.17 U	7.18 U	--	7.29 U	9.87 U	7.59 U	3890. U	176000. U	--	18400. U	--	8.00 U	37.3 U	7.74 U	350. U	14.6 U	6.63 U
Aroclor 1268	(ug/kg)	NE	NE	NE	7.92 U	8.17 U	7.18 U	--	7.29 U	9.87 U	7.59 U	3890. U	176000. U	--	18400. U	--	8.00 U	37.3 U	7.74 U	350. U	14.6 U	6.63 U
Total PCBs	(ug/kg)	1000	1000	100000	161.	147.	51.9	--	N D	848.	N D	[246500.]	[9180000.]	--	[995000]	--	N D	1200.	67.9	13610.	716.	68.7

Notes:
 (ug/kg) = Micrograms per kilogram
 (ft bgs) = Feet below ground surface
 U = Constituent not detected at listed reporting limit
 E = Concentration exceeds instrument calibration
 ND = Not Detected
 -- = Not analyzed for this constituent
 Sample collection depth in feet below ground surface
 noted in parenthesis in Sample ID
 NE = Not Established
 Total PCBs calculated by summing detected concentrations
 MCP = Massachusetts Contingency Plan
 S1/GW3 = MCP Method 1 Soil Category S-1 in a GW-3 Area Soil Standards
 S1/GW2 = MCP Method 1 Soil Category S-1 in a GW-2 Area Soil Standards
 UCL = MCP Method 3 Soil Upper Concentration Limit
 [] and shaded value indicates concentration is above UCL
 The S-1 standards are shown for informational purposes only,
 because a Method 3 Risk Characterization will be completed

Soil Analytical Results
Phase II Comprehensive Site Assessment
RTN 4-0406
Aerovox Site
New Bedford, Massachusetts

LOCATION SAMPLE ID SAMPLE DATE SAMPLE DEPTH (ft bgs)	Units	MCP S1/GW2	MCP S1/GW3	MCP Soil UCLs	MW-18D MW18D (21-23) 02/07/14 21 - 23	MW-18S MW-18S (0-2) 02/03/14 0 - 2	MW-18S MW-18S (2-4) 02/03/14 2 - 4	MW-18S MW-18S (4-5) 02/03/14 4 - 5	MW-19D MW19D(4-6) 02/10/14 4 - 6	MW-19D MW19D (22-24) 02/10/14 22 - 24
Volatile Organic Compounds (VOCs)										
1,1,1,2-Tetrachloroethane	(ug/kg)	100	20000	5000000	0.78 U	--	--	--	130. U	53. U
1,1,1-trichloroethane	(ug/kg)	500000	500000	10000000	0.78 U	--	--	--	130. U	53. U
1,1,2,2-Tetrachloroethane	(ug/kg)	20	10000	4000000	0.78 U	--	--	--	130. U	53. U
1,1,2-Trichloroethane	(ug/kg)	2000	40000	5000000	1.2 U	--	--	--	200. U	80. U
1,1-Dichloroethane	(ug/kg)	9000	500000	10000000	1.2 U	--	--	--	200. U	80. U
1,1-Dichloroethene	(ug/kg)	40000	500000	10000000	0.78 U	--	--	--	130. U	53. U
1,2,4-Trichlorobenzene	(ug/kg)	6000	700000	10000000	3.1 U	--	--	--	520. U	210. U
1,2-Dibromoethane	(ug/kg)	100	1000	400000	3.1 U	--	--	--	520. U	210. U
1,2-Dichlorobenzene	(ug/kg)	100000	300000	10000000	3.1 U	--	--	--	520. U	210. U
1,2-Dichloroethane	(ug/kg)	100	20000	9000000	0.78 U	--	--	--	130. U	53. U
1,2-Dichloropropane	(ug/kg)	100	30000	10000000	2.7 U	--	--	--	460. U	180. U
1,3-Dichlorobenzene	(ug/kg)	100000	100000	5000000	3.1 U	--	--	--	520. U	210. U
1,3-Dichloropropane	(ug/kg)	400	20000	9000000	3.1 U	--	--	--	520. U	210. U
1,4-Dichlorobenzene	(ug/kg)	1000	80000	10000000	3.1 U	--	--	--	520. U	210. U
Bromodichloromethane	(ug/kg)	100	30000	5000000	0.78 U	--	--	--	130. U	53. U
Bromoform	(ug/kg)	1000	300000	10000000	3.1 U	--	--	--	520. U	210. U
Carbon Tetrachloride	(ug/kg)	5000	30000	10000000	0.78 U	--	--	--	130. U	53. U
Chlorobenzene	(ug/kg)	3000	100000	10000000	0.78 U	--	--	--	130. U	53. U
Chloroethane	(ug/kg)	NE	NE	NE	1.6 U	--	--	--	260. U	110. U
Chloroform	(ug/kg)	200	500000	8000000	1.2 U	--	--	--	200. U	80. U
Chloromethane	(ug/kg)	NE	NE	NE	3.1 U	--	--	--	520. U	210. U
Dibromochloromethane	(ug/kg)	30	20000	5000000	0.78 U	--	--	--	130. U	53. U
Dichlorodifluoromethane	(ug/kg)	NE	NE	NE	7.8 U	--	--	--	1300. U	530. U
Hexachlorobutadiene	(ug/kg)	30000	30000	1000000	3.1 U	--	--	--	520. U	210. U
Methylene Chloride	(ug/kg)	4000	400000	7000000	7.8 U	--	--	--	1300. U	530. U
Tetrachloroethene	(ug/kg)	10000	30000	10000000	0.78 U	--	--	--	130. U	53. U
Trichloroethene	(ug/kg)	300	30000	600000	6.2	--	--	--	130. U	300.
Vinyl chloride	(ug/kg)	700	1000	600000	1.6 U	--	--	--	260. U	110. U
cis-1,2-Dichloroethene	(ug/kg)	100	100000	5000000	3.0	--	--	--	130. U	200.
cis-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	0.78 U	--	--	--	130. U	53. U
o-Chlorotoluene	(ug/kg)	NE	NE	NE	3.1 U	--	--	--	520. U	210. U
p-Chlorotoluene	(ug/kg)	NE	NE	NE	3.1 U	--	--	--	520. U	210. U
trans-1,2-Dichloroethene	(ug/kg)	1000	500000	10000000	1.2 U	--	--	--	200. U	80. U
trans-1,3-Dichloropropene	(ug/kg)	NE	NE	NE	0.78 U	--	--	--	130. U	53. U
Polychlorinated Biphenyls (PCBs)										
Aroclor 1016	(ug/kg)	NE	NE	NE	23.4 U	106. U	22.3 U	20.9 U	20.5 U	23.1 U
Aroclor 1221	(ug/kg)	NE	NE	NE	23.4 U	106. U	22.3 U	20.9 U	20.5 U	23.1 U
Aroclor 1232	(ug/kg)	NE	NE	NE	23.4 U	106. U	22.3 U	20.9 U	20.5 U	23.1 U
Aroclor 1242	(ug/kg)	NE	NE	NE	23.4 U	106. U	22.3 U	20.9 U	20.5 U	23.1 U
Aroclor 1248	(ug/kg)	NE	NE	NE	15.6 U	70.6 U	14.9 U	13.9 U	13.7 U	15.4 U
Aroclor 1254	(ug/kg)	NE	NE	NE	23.4 U	1080.	22.3 U	20.9 U	20.5 U	23.1 U
Aroclor 1260	(ug/kg)	NE	NE	NE	15.6 U	70.6 U	14.9 U	13.9 U	13.7 U	15.4 U
Aroclor 1262	(ug/kg)	NE	NE	NE	7.79 U	35.3 U	7.44 U	6.96 U	6.85 U	7.69 U
Aroclor 1268	(ug/kg)	NE	NE	NE	7.79 U	35.3 U	7.44 U	6.96 U	6.85 U	7.69 U
Total PCBs	(ug/kg)	1000	1000	100000	N D	1080.	N D	N D	N D	N D

Notes:
 (ug/kg) = Micrograms per kilogram
 (ft bgs) = Feet below ground surface
 U = Constituent not detected at listed reporting limit
 E = Concentration exceeds instrument calibration
 ND = Not Detected
 -- = Not analyzed for this constituent
 Sample collection depth in feet below ground surface
 noted in parenthesis in Sample ID
 NE = Not Established
 Total PCBs calculated by summing detected concentrations
 MCP = Massachusetts Contingency Plan
 S1/GW3 = MCP Method 1 Soil Category S-1 in a GW-3 Area Soil Standards
 S1/GW2 = MCP Method 1 Soil Category S-1 in a GW-2 Area Soil Standards
 UCL = MCP Method 3 Soil Upper Concentration Limit
 [] and shaded value indicates concentration is above UCL
 The S-1 standards are shown for informational purposes only,
 because a Method 3 Risk Characterization will be completed

**Groundwater Analytical Data
March 2014 Monitoring Event
Aerovox Site
New Bedford, Massachusetts**

DRAFT - Unvalidated Results

Location Sample ID Sample Date	Units	MCP GW-2	MCP GW-3	MCP Groundwater UCLs	GZ-001	GZ-002	GZ-003	GZ-004A	GZ-101D	GZ-101S	GZ-102D	GZ-102S	GZ-103D
					AX-GW-GZ1-031714 03/17/14	AX-GW-GZ2-031914 03/19/14	AX-GW-GZ3-031914 03/19/14	AX-GW-GZ4A-031814 03/18/14	AX-GW-GZ101D-031814 03/18/14	AX-GW-GZ101S-031714 03/17/14	AX-GW-GZ102D-031814 03/18/14	AX-GW-GZ102S-031814 03/18/14	AX-GW-GZ103D-031914 03/19/14
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	(ug/l)	10.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,1,1-trichloroethane	(ug/l)	4000.	20000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,1,2,2-Tetrachloroethane	(ug/l)	9.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,1,2-Trichloroethane	(ug/l)	900.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,1-Dichloroethane	(ug/l)	2000.	20000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,1-Dichloroethene	(ug/l)	80.	30000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,2,4-Trichlorobenzene	(ug/l)	200.	50000.	100000.	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
1,2-Dibromoethane	(ug/l)	2.	50000.	100000.	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
1,2-Dichlorobenzene	(ug/l)	8000.	2000.	80000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,2-Dichloroethane	(ug/l)	5.	20000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,2-Dichloropropane	(ug/l)	3.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,3-Dichlorobenzene	(ug/l)	6000.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
1,3-Dichloropropane	(ug/l)	NE	NE	NE	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
1,4-Dichlorobenzene	(ug/l)	60.	8000.	80000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
Bromodichloromethane	(ug/l)	6.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
Bromoform	(ug/l)	700.	50000.	100000.	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
Carbon Tetrachloride	(ug/l)	2.	5000.	50000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
Chlorobenzene	(ug/l)	200.	1000.	10000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
Chloroethane	(ug/l)	NE	NE	NE	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
Chloroform	(ug/l)	50.	20000.	100000.	1.0 U	1.0 U	2.6	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
Chloromethane	(ug/l)	NE	NE	NE	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
cis-1,2-Dichloroethene	(ug/l)	20.	50000.	100000.	1.0 U	1.0 U	1.0 U	40.	47.	4.2	1500.	1.0 U	240.
cis-1,3-Dichloropropene	(ug/l)	NE	NE	NE	0.50 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	10. U	0.50 U	2.5 U
Dibromochloromethane	(ug/l)	20.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
Dichlorodifluoromethane	(ug/l)	NE	NE	NE	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
Hexachlorobutadiene	(ug/l)	1.	3000.	30000.	0.60 U	0.60 U	0.60 U	1.2 U	1.2 U	0.60 U	12. U	0.60 U	3.0 U
Methylene Chloride	(ug/l)	2000.	50000.	100000.	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
o-Chlorotoluene	(ug/l)	NE	NE	NE	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
p-Chlorotoluene	(ug/l)	NE	NE	NE	2.0 U	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	40. U	2.0 U	10. U
Tetrachloroethene	(ug/l)	50.	30000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	4.2	20. U	1.0 U	5.0 U
trans-1,2-Dichloroethene	(ug/l)	80.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	20. U	1.0 U	5.0 U
trans-1,3-Dichloropropene	(ug/l)	NE	NE	NE	0.50 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	10. U	0.50 U	2.5 U
Trichloroethene	(ug/l)	5.	5000.	50000.	5.3	1.0 U	1.0 U	140.	180.	17.	1900.	27.	550.
Vinyl chloride	(ug/l)	2.	50000.	100000.	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	79.	1.0 U	29.
Total CVOCs	(ug/l)	NE	NE	NE	5.3	ND	2.6	180.	227.	25.4	3479.	27.	819.
Polychlorinated BiPhenyls													
Aroclor 1016	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U
Aroclor 1221	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U
Aroclor 1232	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U
Aroclor 1242	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	14.0	0.250 U	0.464
Aroclor 1248	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U
Aroclor 1254	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U
Aroclor 1260	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U
Aroclor 1262	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U
Aroclor 1268	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U
Total PCBs	(ug/l)	5.	10.	100.	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	[21.5]	0.250 U	1.214
General Water Chemistry													
Solids, Total Suspended	(mg/l)	NE	NE	NE	5.0 U	8.5	5.0 U	20.	5.0 U	5.0 U	5.0 U	5.0 U	56.

Notes:
 (ug/l) = Micrograms per liter
 (mg/l) = Milligrams per liter
 U = Constituent not detected at listed detection limit
 J = Estimated concentration
 ND = Not detected
 NE = Not established
 -- = Not analyzed for this constituent
 Yellow shading indicates well is on Precix property
 Bold and blue shaded value indicates concentration is above Method 1 GW-3 standard
 Bold and green shaded value indicates concentration is above Method 1 GW-2 standard*
 Bold and orange shaded value indicates concentration is above UCL
 *MCP GW-2 standards only apply to wells MW-4S, MW-16S, and MW-18S
 Total PCBs calculated by: summing detected concentrations and
 50% of laboratory reporting limit for those PCBs historically detected in
 groundwater at the site (i.e., Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242,
 Aroclor 1248, Aroclor 1254 and Aroclor 1260)
 Total CVOCs calculated by: summing detected concentrations
 MCP GW-2 = MCP Method 1: GW-2 Water Quality Standards
 MCP GW-3 = MCP Method 1: GW-3 Water Quality Standards

**Groundwater Analytical Data
March 2014 Monitoring Event
Aerovox Site
New Bedford, Massachusetts**

DRAFT - Unvalidated Results

Location Sample ID Sample Date	Units	MCP GW-2	MCP GW-3	MCP Groundwater UCLs	GZ-103S	MW-1	MW-2	MW-2	MW-2A	MW-2B	MW-3	MW-3 (PRECIX)	MW-3A
					AX-GW-GZ103S-031914 03/19/14	AX-GW-MW1-031814 03/18/14	AX-GW-MW2-032114 03/21/14	AX-GW-DUP2-032114 03/21/14	AX-GW-MW2A-032114 03/21/14	AX-GW-MW2B-032114 03/21/14	AX-GW-MW3-032414 03/24/14	AX-GW-MW3-031914 03/19/14	AX-GW-MW3A-032114 03/21/14
Volatiles Organic Compounds													
1,1,1,2-Tetrachloroethane	(ug/l)	10.	50000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,1,1-trichloroethane	(ug/l)	4000.	20000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	(ug/l)	9.	50000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	(ug/l)	900.	50000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,1-Dichloroethane	(ug/l)	2000.	20000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,1-Dichloroethene	(ug/l)	80.	30000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	(ug/l)	200.	50000.	100000.	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
1,2-Dibromoethane	(ug/l)	2.	50000.	100000.	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	(ug/l)	8000.	2000.	80000.	1.0 U	1.0 U	7.9	8.4	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,2-Dichloroethane	(ug/l)	5.	20000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,2-Dichloropropane	(ug/l)	3.	50000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	(ug/l)	6000.	50000.	100000.	1.0 U	1.0 U	34.	35.	5.7	100. U	3.9	1.0 U	1.4
1,3-Dichloropropane	(ug/l)	NE	NE	NE	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	(ug/l)	60.	8000.	80000.	1.3	1.0 U	72.	74.	8.6	100. U	7.1	1.0 U	2.6
Bromodichloromethane	(ug/l)	6.	50000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
Bromoform	(ug/l)	700.	50000.	100000.	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
Carbon Tetrachloride	(ug/l)	2.	5000.	50000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
Chlorobenzene	(ug/l)	200.	1000.	10000.	4.0	1.0 U	450.	460.	38.	100. U	170.	1.0 U	99.
Chloroethane	(ug/l)	NE	NE	NE	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
Chloroform	(ug/l)	50.	20000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	7.6	1.0 U
Chloromethane	(ug/l)	NE	NE	NE	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	(ug/l)	20.	50000.	100000.	44.	1.0 U	5.0 U	5.0 U	8.9	1400.	2.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	(ug/l)	NE	NE	NE	0.50 U	0.50 U	2.5 U	2.5 U	0.50 U	50. U	1.0 U	0.50 U	0.50 U
Dibromochloromethane	(ug/l)	20.	50000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	(ug/l)	NE	NE	NE	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
Hexachlorobutadiene	(ug/l)	1.	3000.	30000.	0.60 U	0.60 U	3.0 U	3.0 U	0.60 U	60. U	1.2 U	0.60 U	0.60 U
Methylene Chloride	(ug/l)	2000.	50000.	100000.	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
o-Chlorotoluene	(ug/l)	NE	NE	NE	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
p-Chlorotoluene	(ug/l)	NE	NE	NE	2.0 U	2.0 U	10. U	10. U	2.0 U	200. U	4.0 U	2.0 U	2.0 U
Tetrachloroethene	(ug/l)	50.	30000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	(ug/l)	80.	50000.	100000.	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	100. U	2.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	(ug/l)	NE	NE	NE	0.50 U	0.50 U	2.5 U	2.5 U	0.50 U	50. U	1.0 U	0.50 U	0.50 U
Trichloroethene	(ug/l)	5.	5000.	50000.	16.	1.0 U	5.0 U	5.0 U	1.0 U	3800.	2.0 U	1.0 U	1.0 U
Vinyl chloride	(ug/l)	2.	50000.	100000.	3.6	1.0 U	5.0 U	5.0 U	10.	160.	2.0	1.0 U	1.1
Total CVOCs	(ug/l)	NE	NE	NE	68.9	N D	563.9	577.4	71.2	5360.	183.	7.6	104.1
Polychlorinated BiPhenyls													
Aroclor 1016	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.500 U	0.500 U	0.250 U	2.50 U	0.250 U	0.250 U	0.250 U
Aroclor 1221	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.500 U	0.500 U	0.250 U	2.50 U	0.250 U	0.250 U	0.250 U
Aroclor 1232	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.500 U	0.500 U	0.250 U	2.50 U	0.250 U	0.250 U	0.250 U
Aroclor 1242	(ug/l)	NE	NE	NE	0.250 U	0.250 U	9.50	9.73	5.20	33.2	0.250 U	0.250 U	0.250 U
Aroclor 1248	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.500 U	0.500 U	0.250 U	2.50 U	0.250 U	0.250 U	0.250 U
Aroclor 1254	(ug/l)	NE	NE	NE	0.250 U	0.250 U	1.38	1.33	0.277	2.50 U	0.250 U	0.250 U	0.284
Aroclor 1260	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.500 U	0.500 U	0.250 U	2.50 U	0.250 U	0.250 U	0.250 U
Aroclor 1262	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.500 U	0.500 U	0.250 U	2.50 U	0.250 U	0.250 U	0.250 U
Aroclor 1268	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.500 U	0.500 U	0.250 U	2.50 U	0.250 U	0.250 U	0.250 U
Total PCBs	(ug/l)	5.	10.	100.	0.250 U	0.250 U	[12.13]	[12.31]	6.102	[40.7]	0.250 U	0.250 U	1.034
General Water Chemistry													
Solids, Total Suspended	(mg/l)	NE	NE	NE	7.1	8.2	6.3	5.4	11.	5.0 U	44.	5.0 U	13.

Notes:
 (ug/l) = Micrograms per liter
 (mg/l) = Milligrams per liter
 U = Constituent not detected at listed detection limit
 J = Estimated concentration
 ND = Not detected
 NE = Not established
 -- = Not analyzed for this constituent
 Yellow shading indicates well is on Precix property
 Bold and blue shaded value indicates concentration is above Method 1 GW-3 standard
 Bold and green shaded value indicates concentration is above Method 1 GW-2 standard*
 Bold and orange shaded value indicates concentration is above UCL
 *MCP GW-2 standards only apply to wells MW-4S, MW-16S, and MW-18S
 Total PCBs calculated by: summing detected concentrations and
 50% of laboratory reporting limit for those PCBs historically detected in
 groundwater at the site (i.e., Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242,
 Aroclor 1248, Aroclor 1254 and Aroclor 1260)
 Total CVOCs calculated by: summing detected concentrations
 MCP GW-2 = MCP Method 1: GW-2 Water Quality Standards
 MCP GW-3 = MCP Method 1: GW-3 Water Quality Standards

**Groundwater Analytical Data
March 2014 Monitoring Event
Aerovox Site
New Bedford, Massachusetts**

DRAFT - Unvalidated Results

Location Sample ID Sample Date	Units	MCP GW-2	MCP GW-3	MCP Groundwater UCLs	MW-4 AX-GW-MW4-032014 03/20/14	MW-4A AX-GW-MW4A-032014 03/20/14	MW-4B AX-GW-MW4B-031914 03/19/14	MW-4S AX-GW-MW4S-031814 03/18/14	MW-5 AX-GW-MW5-031914 03/19/14	MW-6 AX-GW-MW6-032014 03/20/14	MW-6 AX-GW-DUP1-032014 03/20/14	MW-6A AX-GW-MW6A-032014 03/20/14	MW-6B AX-GW-MW6B-032014 03/20/14
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	(ug/l)	10.	50000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,1,1-trichloroethane	(ug/l)	4000.	20000.	100000.	5.0 U	1.0 U	33.	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,1,2,2-Tetrachloroethane	(ug/l)	9.	50000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,1,2-Trichloroethane	(ug/l)	900.	50000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,1-Dichloroethane	(ug/l)	2000.	20000.	100000.	5.0 U	1.0 U	25. U	1.5	1.0 U	20. U	20. U	1.0 U	40. U
1,1-Dichloroethane	(ug/l)	80.	30000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,2,4-Trichlorobenzene	(ug/l)	200.	50000.	100000.	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
1,2-Dibromoethane	(ug/l)	2.	50000.	100000.	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
1,2-Dichlorobenzene	(ug/l)	8000.	2000.	80000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,2-Dichloroethane	(ug/l)	5.	20000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,2-Dichloropropane	(ug/l)	3.	50000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,3-Dichlorobenzene	(ug/l)	6000.	50000.	100000.	9.6	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
1,3-Dichloropropane	(ug/l)	NE	NE	NE	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
1,4-Dichlorobenzene	(ug/l)	60.	8000.	80000.	21.	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
Bromodichloromethane	(ug/l)	6.	50000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
Bromoform	(ug/l)	700.	50000.	100000.	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
Carbon Tetrachloride	(ug/l)	2.	5000.	50000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
Chlorobenzene	(ug/l)	200.	1000.	10000.	22.	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
Chloroethane	(ug/l)	NE	NE	NE	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
Chloroform	(ug/l)	50.	20000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
Chloromethane	(ug/l)	NE	NE	NE	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
cis-1,2-Dichloroethene	(ug/l)	20.	50000.	100000.	6.1	5.5	220.	18.	1.0 U	700.	720.	6.3	900.
cis-1,3-Dichloropropene	(ug/l)	NE	NE	NE	2.5 U	0.50 U	12. U	0.50 U	0.50 U	10. U	10. U	0.50 U	20. U
Dibromochloromethane	(ug/l)	20.	50000.	100000.	5.0 U	1.0 U	25. U	1.0 U	1.0 U	20. U	20. U	1.0 U	40. U
Dichlorodifluoromethane	(ug/l)	NE	NE	NE	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
Hexachlorobutadiene	(ug/l)	1.	3000.	30000.	3.0 U	0.60 U	15. U	0.60 U	0.60 U	12. U	12. U	0.60 U	24. U
Methylene Chloride	(ug/l)	2000.	50000.	100000.	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
o-Chlorotoluene	(ug/l)	NE	NE	NE	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
p-Chlorotoluene	(ug/l)	NE	NE	NE	10. U	2.0 U	50. U	2.0 U	2.0 U	40. U	40. U	2.0 U	80. U
Tetrachloroethene	(ug/l)	50.	30000.	100000.	5.0 U	1.0 U	30.	1.0 U	1.0 U	20. U	20. U	1.7	40. U
trans-1,2-Dichloroethene	(ug/l)	80.	50000.	100000.	5.0 U	1.0 U	25. U	1.4	1.0 U	20. U	20. U	1.0 U	40. U
trans-1,3-Dichloropropene	(ug/l)	NE	NE	NE	2.5 U	0.50 U	12. U	0.50 U	0.50 U	10. U	10. U	0.50 U	20. U
Trichloroethene	(ug/l)	5.	5000.	50000.	5.0 U	15.	[6200.]	[36.]	1.0 U	1500.	1600.	21.	2200.
Vinyl chloride	(ug/l)	2.	50000.	100000.	29.	1.5	25. U	[17.]	1.0 U	39.	41.	1.0 U	68.
Total CVOCs	(ug/l)	NE	NE	NE	87.7	22.	6483.	73.9	ND	2239.	2361.	29.	3168.
Polychlorinated BiPhenyls													
Aroclor 1016	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	1.25 U	1.25 U	0.250 U	2.50 U
Aroclor 1221	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	1.25 U	1.25 U	0.250 U	2.50 U
Aroclor 1232	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	1.25 U	1.25 U	0.250 U	2.50 U
Aroclor 1242	(ug/l)	NE	NE	NE	0.250 U	0.250 U	2.04	0.250 U	0.250 U	10.5	13.4	0.250 U	17.4
Aroclor 1248	(ug/l)	NE	NE	NE	0.250 U	0.520	0.250 U	0.250 U	0.250 U	1.25 U	1.25 U	0.250 U	2.50 U
Aroclor 1254	(ug/l)	NE	NE	NE	0.250 U	0.497	0.250 U	0.250 U	0.250 U	1.25 U	1.25 U	1.25	2.50 U
Aroclor 1260	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	1.25 U	1.25 U	0.250 U	2.50 U
Aroclor 1262	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	1.25 U	1.25 U	0.250 U	2.50 U
Aroclor 1268	(ug/l)	NE	NE	NE	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	1.25 U	1.25 U	0.250 U	2.50 U
Total PCBs	(ug/l)	5.	10.	100.	0.250 U	1.642	2.79	0.250 U	0.250 U	[14.25]	[17.15]	2.	[24.9]
General Water Chemistry													
Solids, Total Suspended	(mg/l)	NE	NE	NE	36.	11.	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Notes:

(ug/l) = Micrograms per liter
(mg/l) = Milligrams per liter
U = Constituent not detected at listed detection limit
J = Estimated concentration
ND = Not detected
NE = Not established
-- = Not analyzed for this constituent

Yellow shading indicates well is on Precix property

Bold and blue shaded value indicates concentration is above Method 1 GW-3 standard

Bold and green shaded value indicates concentration is above Method 1 GW-2 standard*

Bold and orange shaded value indicates concentration is above UCL

*MCP GW-2 standards only apply to wells MW-4S, MW-16S, and MW-18S

Total PCBs calculated by: summing detected concentrations and
50% of laboratory reporting limit for those PCBs historically detected in
groundwater at the site (i.e., Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242,
Aroclor 1248, Aroclor 1254 and Aroclor 1260)

Total CVOCs calculated by: summing detected concentrations

MCP GW-2 = MCP Method 1: GW-2 Water Quality Standards

MCP GW-3 = MCP Method 1: GW-3 Water Quality Standards

**Groundwater Analytical Data
March 2014 Monitoring Event
Aerovox Site
New Bedford, Massachusetts**

DRAFT - Unvalidated Results

Location Sample ID Sample Date	Units	MCP GW-2	MCP GW-3	MCP Groundwater UCLs	MW-7 AX-GW-MW7-032414 03/24/14	MW-7A AX-GW-MW7A-032414 03/24/14	MW-7B AX-GW-MW7B-032414 03/24/14	MW-8S AX-GW-MW8S-032014 03/20/14	MW-10D AX-GW-MW10D-032014 03/20/14	MW-11B AX-GW-MW11B-031914 03/19/14	MW-12S AX-GW-MW12S-031914 03/19/14	MW-13B AX-GW-MW13B-032014 03/20/14	MW-13D AX-GW-MW13D-032014 03/20/14
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	(ug/l)	10.	50000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
1,1,1-trichloroethane	(ug/l)	4000.	20000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	3.3
1,1,2,2-Tetrachloroethane	(ug/l)	9.	50000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
1,1,2-Trichloroethane	(ug/l)	900.	50000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
1,1-Dichloroethane	(ug/l)	2000.	20000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	3.0	400. U	1.9
1,1-Dichloroethene	(ug/l)	80.	30000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
1,2,4-Trichlorobenzene	(ug/l)	200.	50000.	100000.	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
1,2-Dibromoethane	(ug/l)	2.	50000.	100000.	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
1,2-Dichlorobenzene	(ug/l)	8000.	2000.	80000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
1,2-Dichloroethane	(ug/l)	5.	20000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
1,2-Dichloropropane	(ug/l)	3.	50000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
1,3-Dichlorobenzene	(ug/l)	6000.	50000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
1,3-Dichloropropane	(ug/l)	NE	NE	NE	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
1,4-Dichlorobenzene	(ug/l)	60.	8000.	80000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
Bromodichloromethane	(ug/l)	6.	50000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
Bromoform	(ug/l)	700.	50000.	100000.	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
Carbon Tetrachloride	(ug/l)	2.	5000.	50000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
Chlorobenzene	(ug/l)	200.	1000.	10000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
Chloroethane	(ug/l)	NE	NE	NE	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
Chloroform	(ug/l)	50.	20000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
Chloromethane	(ug/l)	NE	NE	NE	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
cis-1,2-Dichloroethene	(ug/l)	20.	50000.	100000.	1600.	1.0 U	710.	6600.	3500.	5.0 U	37.	3200.	18.
cis-1,3-Dichloropropene	(ug/l)	NE	NE	NE	100. U	0.50 U	50. U	50. U	100. U	2.5 U	0.50 U	200. U	0.50 U
Dibromochloromethane	(ug/l)	20.	50000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
Dichlorodifluoromethane	(ug/l)	NE	NE	NE	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
Hexachlorobutadiene	(ug/l)	1.	3000.	30000.	120. U	0.60 U	60. U	60. U	120. U	3.0 U	0.60 U	240. U	0.60 U
Methylene Chloride	(ug/l)	2000.	50000.	100000.	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
o-Chlorotoluene	(ug/l)	NE	NE	NE	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
p-Chlorotoluene	(ug/l)	NE	NE	NE	400. U	2.0 U	200. U	200. U	400. U	10. U	2.0 U	800. U	2.0 U
Tetrachloroethene	(ug/l)	50.	30000.	100000.	200. U	1.0 U	100. U	100. U	200. U	220.	1.0 U	400. U	1.9
trans-1,2-Dichloroethene	(ug/l)	80.	50000.	100000.	200. U	1.0 U	100. U	100. U	200. U	5.0 U	1.0 U	400. U	1.0 U
trans-1,3-Dichloropropene	(ug/l)	NE	NE	NE	100. U	0.50 U	50. U	50. U	100. U	2.5 U	0.50 U	200. U	0.50 U
Trichloroethene	(ug/l)	5.	5000.	50000.	[27000.]	1.0 U	[16000.]	100. U	[11000.]	11.	10.	[16000.]	20.
Vinyl chloride	(ug/l)	2.	50000.	100000.	200. U	1.0 U	100. U	1800.	510.	5.0 U	1.7	620.	3.9
Total CVOCs	(ug/l)	NE	NE	NE	28600.	N D	16710.	8400.	15010.	231.	51.7	19820.	49.
Polychlorinated BiPhenyls													
Aroclor 1016	(ug/l)	NE	NE	NE	2.50 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U	2.50 U	0.250 U
Aroclor 1221	(ug/l)	NE	NE	NE	2.50 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U	2.50 U	0.250 U
Aroclor 1232	(ug/l)	NE	NE	NE	2.50 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U	2.50 U	0.250 U
Aroclor 1242	(ug/l)	NE	NE	NE	22.7	0.493	1.51	1.08	43.9	0.250 U	0.250 U	22.7	0.250 U
Aroclor 1248	(ug/l)	NE	NE	NE	2.50 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U	2.50 U	0.250 U
Aroclor 1254	(ug/l)	NE	NE	NE	2.50 U	0.250 U	0.250 U	0.606	2.50 U	0.250 U	0.250 U	2.50 U	0.250 U
Aroclor 1260	(ug/l)	NE	NE	NE	2.50 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U	2.50 U	0.250 U
Aroclor 1262	(ug/l)	NE	NE	NE	2.50 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U	2.50 U	0.250 U
Aroclor 1268	(ug/l)	NE	NE	NE	2.50 U	0.250 U	0.250 U	0.250 U	2.50 U	0.250 U	0.250 U	2.50 U	0.250 U
Total PCBs	(ug/l)	5.	10.	100.	[30.2]	1.243	2.26	2.311	[51.4]	0.250 U	0.250 U	[30.2]	0.250 U
General Water Chemistry													
Solids, Total Suspended	(mg/l)	NE	NE	NE	5.0 U	26.	5.0 U	16.	5.0 U	5.0 U	27.	46.	5.0 U

Notes:
 (ug/l) = Micrograms per liter
 (mg/l) = Milligrams per liter
 U = Constituent not detected at listed detection limit
 J = Estimated concentration
 ND = Not detected
 NE = Not established
 -- = Not analyzed for this constituent
 Yellow shading indicates well is on Precip property
 Bold and blue shaded value indicates concentration is above Method 1 GW-3 standard
 Bold and green shaded value indicates concentration is above Method 1 GW-2 standard*
 Bold and orange shaded value indicates concentration is above UCL
 *MCP GW-2 standards only apply to wells MW-4S, MW-16S, and MW-18S
 Total PCBs calculated by: summing detected concentrations and
 50% of laboratory reporting limit for those PCBs historically detected in
 groundwater at the site (i.e., Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242,
 Aroclor 1248, Aroclor 1254 and Aroclor 1260)
 Total CVOCs calculated by: summing detected concentrations
 MCP GW-2 = MCP Method 1: GW-2 Water Quality Standards
 MCP GW-3 = MCP Method 1: GW-3 Water Quality Standards

**Groundwater Analytical Data
March 2014 Monitoring Event
Aerovox Site
New Bedford, Massachusetts**

DRAFT - Unvalidated Results

Location Sample ID Sample Date	Units	MCP GW-2	MCP GW-3	MCP Groundwater UCLs	MW-15B	MW-15D	MW-15D	MW-16S	MW-17B	MW-17D	MW-17D	MW-18D	MW-18S
					AX-GW-MW15B-032414 03/24/14	AX-GW-MW15D-032414 03/24/14	AX-GW-DUP4-032414 03/24/14	AX-GW-MW16S-031814 03/18/14	AX-GW-MW17B-032114 03/21/14	AX-GW-MW17D-032114 03/21/14	AX-GW-DUP3-032114 03/21/14	AX-GW-MW18D-031814 03/18/14	AX-GW-MW18S-031814 03/18/14
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	(ug/l)	10.	50000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,1,1-trichloroethane	(ug/l)	4000.	20000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,1,2,2-Tetrachloroethane	(ug/l)	9.	50000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,1,2-Trichloroethane	(ug/l)	900.	50000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,1-Dichloroethane	(ug/l)	2000.	20000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,1-Dichloroethene	(ug/l)	80.	30000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,2,4-Trichlorobenzene	(ug/l)	200.	50000.	100000.	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
1,2-Dibromoethane	(ug/l)	2.	50000.	100000.	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
1,2-Dichlorobenzene	(ug/l)	8000.	2000.	80000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,2-Dichloroethane	(ug/l)	5.	20000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,2-Dichloropropane	(ug/l)	3.	50000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,3-Dichlorobenzene	(ug/l)	6000.	50000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
1,3-Dichloropropane	(ug/l)	NE	NE	NE	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
1,4-Dichlorobenzene	(ug/l)	60.	8000.	80000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
Bromodichloromethane	(ug/l)	6.	50000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
Bromoform	(ug/l)	700.	50000.	100000.	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
Carbon Tetrachloride	(ug/l)	2.	5000.	50000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
Chlorobenzene	(ug/l)	200.	1000.	10000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
Chloroethane	(ug/l)	NE	NE	NE	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
Chloroform	(ug/l)	50.	20000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
Chloromethane	(ug/l)	NE	NE	NE	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
cis-1,2-Dichloroethene	(ug/l)	20.	50000.	100000.	22000.	990.	980.	[140.]	1900.	1600.	2000.	1800.	[330.]
cis-1,3-Dichloropropene	(ug/l)	NE	NE	NE	200. U	20. U	20. U	1.0 U	25. U	25. U	25. U	10. U	5.0 U
Dibromochloromethane	(ug/l)	20.	50000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
Dichlorodifluoromethane	(ug/l)	NE	NE	NE	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
Hexachlorobutadiene	(ug/l)	1.	3000.	30000.	240. U	24. U	24. U	1.2 U	30. U	30. U	30. U	12. U	6.0 U
Methylene Chloride	(ug/l)	2000.	50000.	100000.	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
o-Chlorotoluene	(ug/l)	NE	NE	NE	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
p-Chlorotoluene	(ug/l)	NE	NE	NE	800. U	80. U	80. U	4.0 U	100. U	100. U	100. U	40. U	20. U
Tetrachloroethene	(ug/l)	50.	30000.	100000.	400. U	47.	61.	2.0 U	65.	50. U	68.	20. U	10. U
trans-1,2-Dichloroethene	(ug/l)	80.	50000.	100000.	400. U	40. U	40. U	2.0 U	50. U	50. U	50. U	20. U	10. U
trans-1,3-Dichloropropene	(ug/l)	NE	NE	NE	200. U	20. U	20. U	1.0 U	25. U	25. U	25. U	10. U	5.0 U
Trichloroethene	(ug/l)	5.	5000.	50000.	[90000.]	3800.	3900.	[250.]	4600.	4200.	4700.	2700.	[950.]
Vinyl chloride	(ug/l)	2.	50000.	100000.	400. U	74.	66.	[2.2]	250.	190.	260.	230.	10. U
Total CVOCs	(ug/l)	NE	NE	NE	112000.	4911.	5007.	392.2	6815.	5990.	7028.	4730.	1280.
Polychlorinated BiPhenyls													
Aroclor 1016	(ug/l)	NE	NE	NE	5.00 U	5.00 U	5.00 U	0.250 U	2.50 U	2.50 U	2.50 U	1.25 U	0.250 U
Aroclor 1221	(ug/l)	NE	NE	NE	5.00 U	5.00 U	5.00 U	0.250 U	2.50 U	2.50 U	2.50 U	1.25 U	0.250 U
Aroclor 1232	(ug/l)	NE	NE	NE	5.00 U	5.00 U	5.00 U	0.250 U	2.50 U	2.50 U	2.50 U	1.25 U	0.250 U
Aroclor 1242	(ug/l)	NE	NE	NE	49.8	45.2	44.8	0.250 U	30.4	37.6	34.5	9.58	0.250 U
Aroclor 1248	(ug/l)	NE	NE	NE	5.00 U	5.00 U	5.00 U	0.250 U	2.50 U	2.50 U	2.50 U	1.25 U	0.250 U
Aroclor 1254	(ug/l)	NE	NE	NE	5.00 U	5.00 U	5.00 U	0.250 U	2.50 U	2.50 U	2.50 U	1.25 U	0.250 U
Aroclor 1260	(ug/l)	NE	NE	NE	5.00 U	5.00 U	5.00 U	0.250 U	2.50 U	2.50 U	2.50 U	1.25 U	0.250 U
Aroclor 1262	(ug/l)	NE	NE	NE	5.00 U	5.00 U	5.00 U	0.250 U	2.50 U	2.50 U	2.50 U	1.25 U	0.250 U
Aroclor 1268	(ug/l)	NE	NE	NE	5.00 U	5.00 U	5.00 U	0.250 U	2.50 U	2.50 U	2.50 U	1.25 U	0.250 U
Total PCBs	(ug/l)	5.	10.	100.	[64.8]	[60.2]	[59.8]	0.250 U	[37.9]	[45.1]	[42.]	[13.33]	0.250 U
General Water Chemistry													
Solids, Total Suspended	(mg/l)	NE	NE	NE	7.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Notes:
 (ug/l) = Micrograms per liter
 (mg/l) = Milligrams per liter
 U = Constituent not detected at listed detection limit
 J = Estimated concentration
 ND = Not detected
 NE = Not established
 -- = Not analyzed for this constituent
 Yellow shading indicates well is on Precix property
 Bold and blue shaded value indicates concentration is above Method 1 GW-3 standard
 Bold and green shaded value indicates concentration is above Method 1 GW-2 standard*
 Bold and orange shaded value indicates concentration is above UCL
 *MCP GW-2 standards only apply to wells MW-4S, MW-16S, and MW-18S
 Total PCBs calculated by: summing detected concentrations and
 50% of laboratory reporting limit for those PCBs historically detected in
 groundwater at the site (i.e., Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242,
 Aroclor 1248, Aroclor 1254 and Aroclor 1260)
 Total CVOCs calculated by: summing detected concentrations
 MCP GW-2 = MCP Method 1: GW-2 Water Quality Standards
 MCP GW-3 = MCP Method 1: GW-3 Water Quality Standards

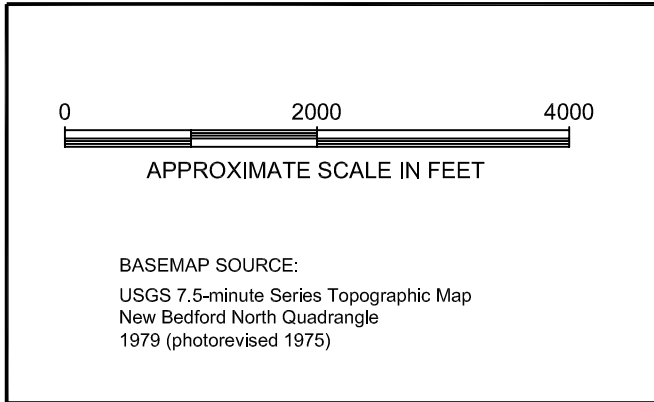
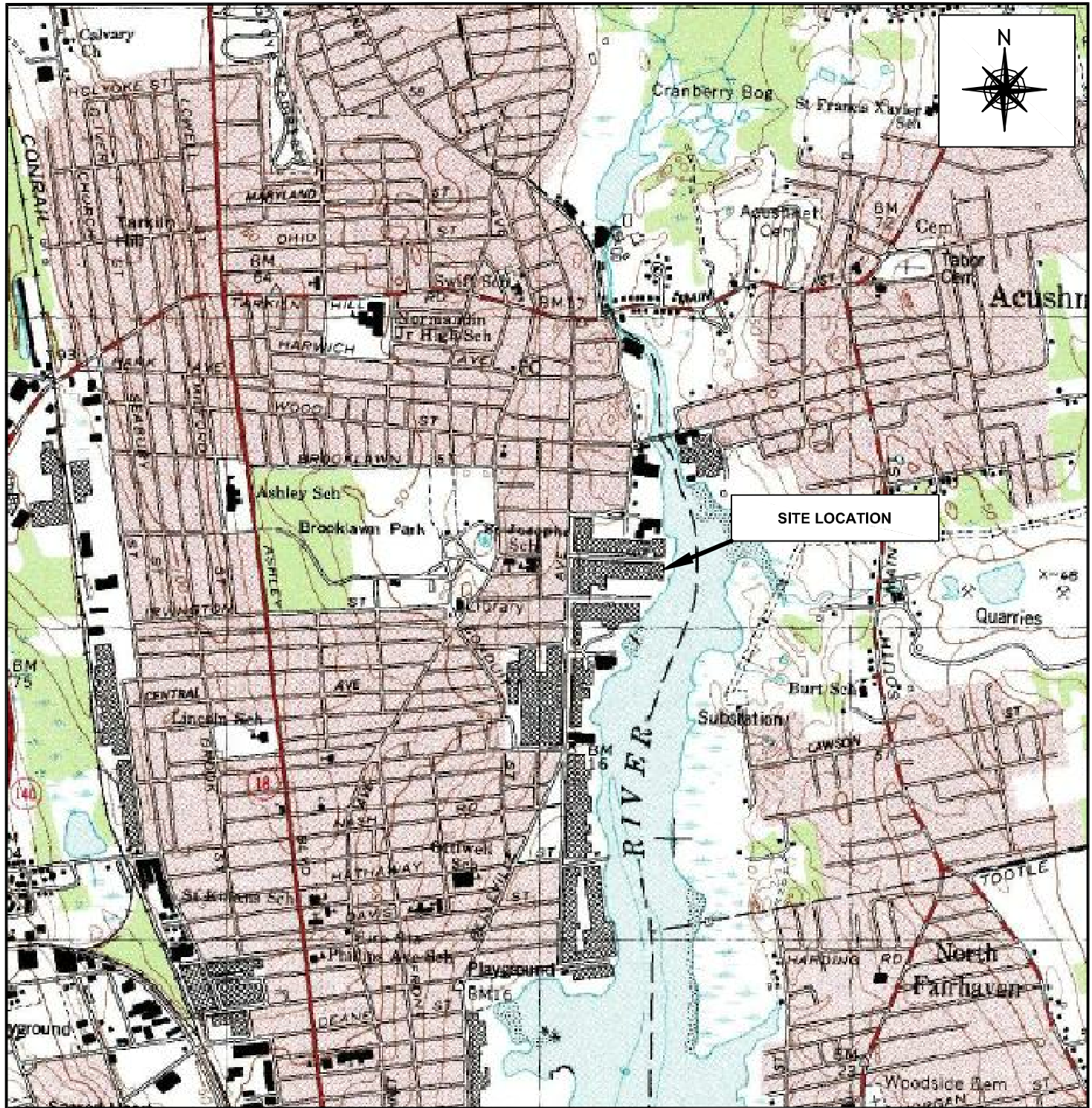
**Groundwater Analytical Data
March 2014 Monitoring Event
Aerovox Site
New Bedford, Massachusetts**

DRAFT - Unvalidated Results

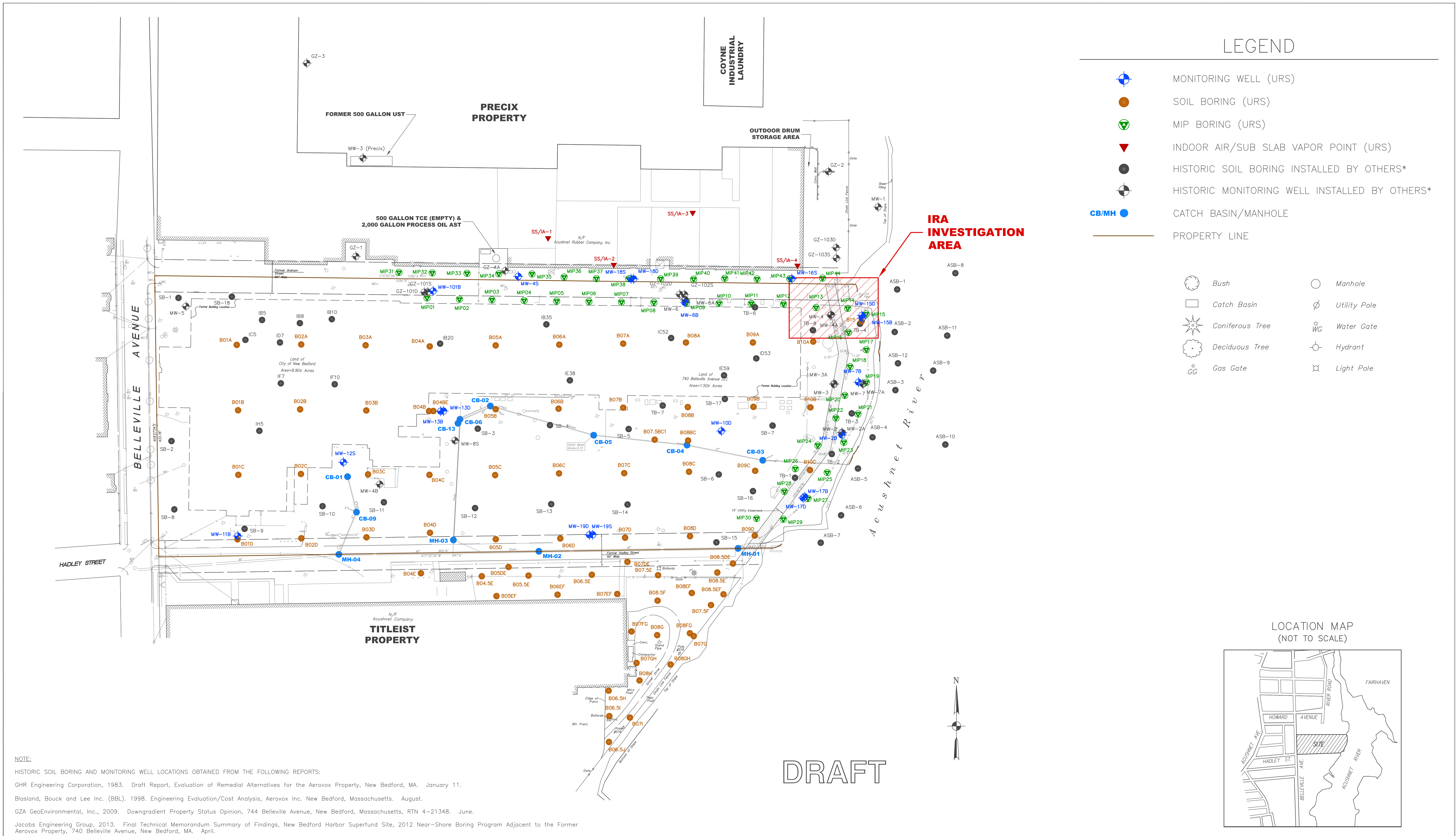
Location Sample ID Sample Date	Units	MCP GW-2	MCP GW-3	MCP Groundwater UCLs	MW-19D AX-GW-MW19D-032114 03/21/14	MW-19S AX-GW-MW19S-032114 03/21/14	MW-101B AX-GW-MW101B-031714 03/17/14
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	(ug/l)	10.	5000.	10000.	50. U	1.0 U	100. U
1,1,1-trichloroethane	(ug/l)	4000.	20000.	100000.	50. U	1.0 U	100. U
1,1,2,2-Tetrachloroethane	(ug/l)	9.	50000.	100000.	50. U	1.0 U	100. U
1,1,2-Trichloroethane	(ug/l)	900.	50000.	100000.	50. U	1.0 U	100. U
1,1-Dichloroethane	(ug/l)	2000.	20000.	100000.	50. U	1.0 U	100. U
1,1-Dichloroethane	(ug/l)	80.	30000.	100000.	50. U	1.0 U	100. U
1,2,4-Trichlorobenzene	(ug/l)	200.	50000.	100000.	100. U	2.0 U	200. U
1,2-Dibromoethane	(ug/l)	2.	50000.	100000.	100. U	2.0 U	200. U
1,2-Dichlorobenzene	(ug/l)	8000.	2000.	80000.	50. U	1.0 U	100. U
1,2-Dichloroethane	(ug/l)	5.	20000.	100000.	50. U	1.0 U	100. U
1,2-Dichloropropane	(ug/l)	3.	50000.	100000.	50. U	1.0 U	100. U
1,3-Dichlorobenzene	(ug/l)	6000.	50000.	100000.	50. U	1.0 U	100. U
1,3-Dichloropropane	(ug/l)	NE	NE	NE	100. U	2.0 U	200. U
1,4-Dichlorobenzene	(ug/l)	60.	8000.	80000.	50. U	1.0 U	100. U
Bromodichloromethane	(ug/l)	6.	50000.	100000.	50. U	1.0 U	100. U
Bromoform	(ug/l)	700.	50000.	100000.	100. U	2.0 U	200. U
Carbon Tetrachloride	(ug/l)	2.	5000.	50000.	50. U	1.0 U	100. U
Chlorobenzene	(ug/l)	200.	1000.	10000.	50. U	1.0 U	100. U
Chloroethane	(ug/l)	NE	NE	NE	100. U	2.0 U	200. U
Chloroform	(ug/l)	50.	20000.	100000.	50. U	1.0 U	100. U
Chloromethane	(ug/l)	NE	NE	NE	100. U	2.0 U	200. U
cis-1,2-Dichloroethene	(ug/l)	20.	50000.	100000.	2500.	120.	1800.
cis-1,3-Dichloropropene	(ug/l)	NE	NE	NE	25. U	0.50 U	50. U
Dibromochloromethane	(ug/l)	20.	50000.	100000.	50. U	1.0 U	100. U
Dichlorodifluoromethane	(ug/l)	NE	NE	NE	100. U	2.0 U	200. U
Hexachlorobutadiene	(ug/l)	1.	3000.	30000.	30. U	0.60 U	60. U
Methylene Chloride	(ug/l)	2000.	50000.	100000.	100. U	2.0 U	200. U
o-Chlorotoluene	(ug/l)	NE	NE	NE	100. U	2.0 U	200. U
p-Chlorotoluene	(ug/l)	NE	NE	NE	100. U	2.0 U	200. U
Tetrachloroethene	(ug/l)	50.	30000.	100000.	50. U	1.0 U	100. U
trans-1,2-Dichloroethene	(ug/l)	80.	50000.	100000.	50. U	1.4	100. U
trans-1,3-Dichloropropene	(ug/l)	NE	NE	NE	25. U	0.50 U	50. U
Trichloroethene	(ug/l)	5.	5000.	50000.	3700.	17.	[7400.]
Vinyl chloride	(ug/l)	2.	50000.	100000.	110.	4.6	100. U
Total CVOCs	(ug/l)	NE	NE	NE	6310.	143.	9200.
Polychlorinated BiPhenyls							
Aroclor 1016	(ug/l)	NE	NE	NE	0.500 U	0.250 U	0.250 U
Aroclor 1221	(ug/l)	NE	NE	NE	0.500 U	0.250 U	0.250 U
Aroclor 1232	(ug/l)	NE	NE	NE	0.500 U	0.250 U	0.250 U
Aroclor 1242	(ug/l)	NE	NE	NE	8.02	0.250 U	0.250 U
Aroclor 1248	(ug/l)	NE	NE	NE	0.500 U	0.250 U	0.250 U
Aroclor 1254	(ug/l)	NE	NE	NE	0.500 U	0.250 U	0.250 U
Aroclor 1260	(ug/l)	NE	NE	NE	0.500 U	0.250 U	0.250 U
Aroclor 1262	(ug/l)	NE	NE	NE	0.500 U	0.250 U	0.250 U
Aroclor 1268	(ug/l)	NE	NE	NE	0.500 U	0.250 U	0.250 U
Total PCBs	(ug/l)	5.	10.	100.	9.52	0.250 U	0.250 U
General Water Chemistry							
Solids, Total Suspended	(mg/l)	NE	NE	NE	5.0 U	5.0 U	34.

Notes:
 (ug/l) = Micrograms per liter
 (mg/l) = Milligrams per liter
 U = Constituent not detected at listed detection limit
 J = Estimated concentration
 ND = Not detected
 NE = Not established
 -- = Not analyzed for this constituent
Yellow shading indicates well is on Precix property
Bold and blue shaded value indicates concentration is above Method 1 GW-3 standard
Bold and green shaded value indicates concentration is above Method 1 GW-2 standard*
Bold and orange shaded value indicates concentration is above UCL
 *MCP GW-2 standards only apply to wells MW-4S, MW-16S, and MW-18S
 Total PCBs calculated by: summing detected concentrations and
 50% of laboratory reporting limit for those PCBs historically detected in
 groundwater at the site (i.e., Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242,
 Aroclor 1248, Aroclor 1254 and Aroclor 1260)
 Total CVOCs calculated by: summing detected concentrations
 MCP GW-2 = MCP Method 1: GW-2 Water Quality Standards
 MCP GW-3 = MCP Method 1: GW-3 Water Quality Standards

FIGURES



SITE LOCATION PLAN			
AEROVOX FACILITY 740 BELLEVILLE AVENUE NEW BEDFORD, MASSACHUSETTS			
URS		5 Industrial Way Salem, New Hampshire 03079 TEL: (603) 893-0616 FAX: (603) 893-6240 http://www.urscorp.com	
SCALE:	NTS	DRAWN BY:	KP
DATE:	06/14	APPR. BY:	JU
		JOB NO.:	39744051
		FIGURE 1	



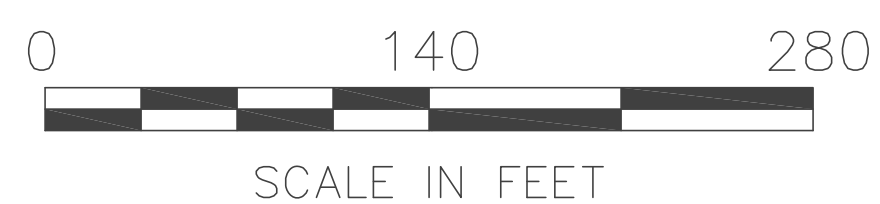
NOTE:

HISTORIC SOIL BORING AND MONITORING WELL LOCATIONS OBTAINED FROM THE FOLLOWING REPORTS:

- GHR Engineering Corporation, 1983. Draft Report, Evaluation of Remedial Alternatives for the Aerovox Property, New Bedford, MA. January 11.
- Blasland, Bouck and Lee Inc. (BBL). 1998. Engineering Evaluation/Cost Analysis, Aerovox Inc. New Bedford, Massachusetts. August.
- GZA GeoEnvironmental, Inc., 2009. Downgradient Property Status Opinion, 744 Belleville Avenue, New Bedford, Massachusetts, RTN 4-21348. June.
- Jacobs Engineering Group, 2013. Final Technical Memorandum Summary of Findings, New Bedford Harbor Superfund Site, 2012 Near-Shore Boring Program Adjacent to the Former Aerovox Property, 740 Belleville Avenue, New Bedford, MA. April.



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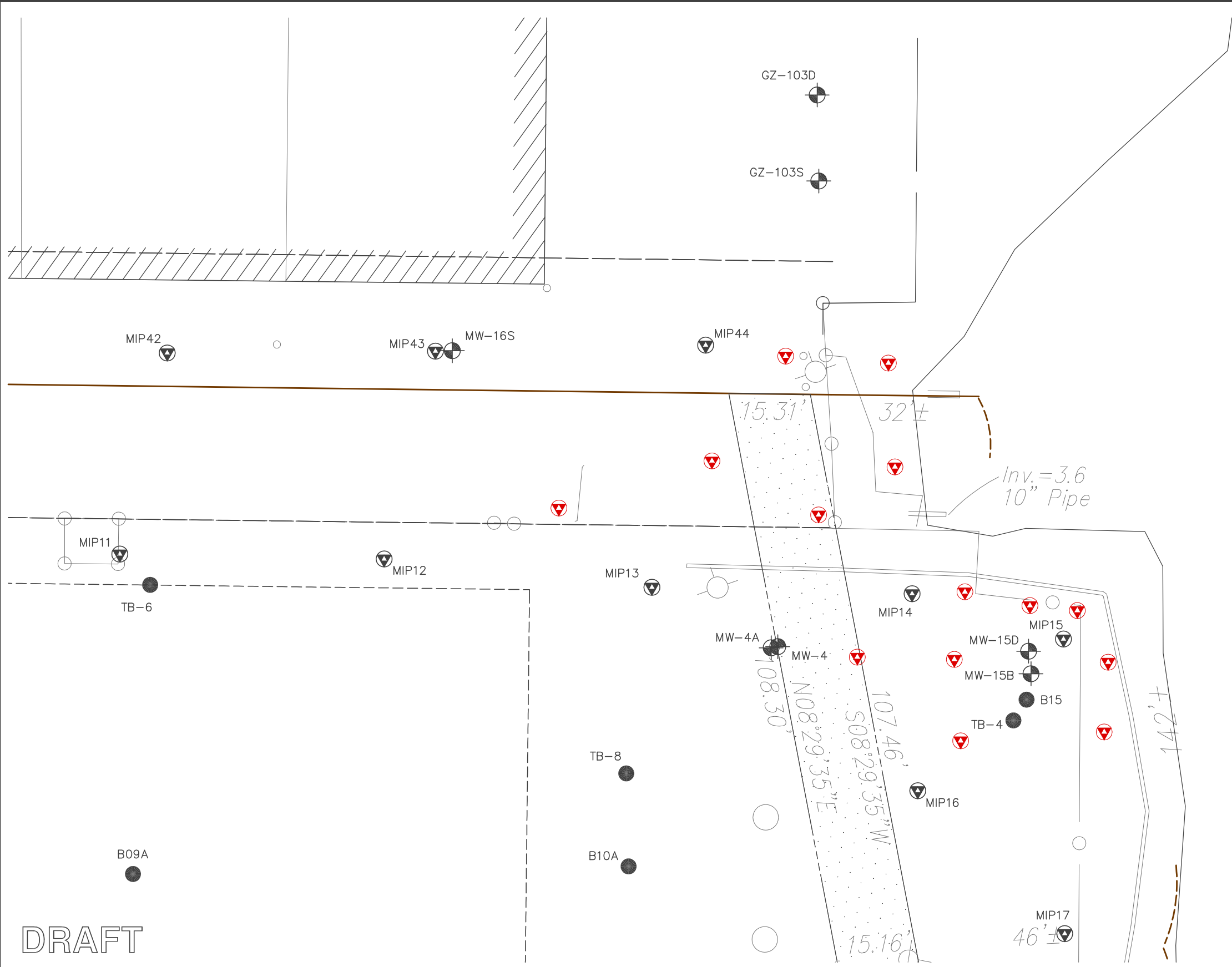


PROJECT NO:	39744051
DESIGN:	DB
APPROVED:	MW
DRAWN:	FS
SCALE:	AS SHOWN
DATE:	APRIL 2014
FILE NO:	AVX - Site Plan

CLIENT:	AVX CORPORATION
PROJECT:	PHASE II INVESTIGATION 740 BELLEVILLE AVENUE NEW BEDFORD, MA

TITLE:	SITE PLAN
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FIGURE NO.:	2
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LEGEND

— PROPERTY LINE

EXISTING EXPLORATIONS

- MONITORING WELL
- SOIL BORING
- MIP BORING

PROPOSED EXPLORATIONS

- MIP BORING (UP TO 14)

UP TO 8 GEOPROBE BORINGS TO BE ADVANCED WITHIN THE MIP INVESTIGATION AREA FOR COLLECTION OF CONFIRMATORY SOIL SAMPLES

DRAFT



P:\acad-2008\AVX\dwg\AVX - IRA Workplan.dwg, IRA Workplan - Figure 3, 6/6/2014 1:52:43 PM

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PROJECT NO:	39744051
DESIGN:	DB
APPROVED:	MW
DRAWN:	FS
SCALE:	AS SHOWN
DATE:	MAY 2014
FILE NO:	AVX - IRA WorkPlan

CLIENT:	AVX CORPORATION
PROJECT:	IRA WORK PLAN 740 BELLEVILLE AVENUE NEW BEDFORD, MA

TITLE:	PROPOSED EXPLORATIONS
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FIGURE NO.:	3
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APPENDIX A

Soil Boring/Groundwater Monitoring Well Construction Logs

Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B01A
 Sheet 1 of 2

Date(s) Drilled and Installed	11/12/13 - 17/12/13	Water Surface Elevation	3.23 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	12.73 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	22.0 ft	Easting	814630.216675	Notes:	
Groundwater Level	9.5 ft bgs	Northing	2706958.05384	Location:	
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Auger/Macrocore
Drilling Method	Auger/Geoprobe			Hammer Data:	Direct Push
				Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									SP	(0-0.25') Asphalt (0.25-6') SAND			
1													
2													
3													
4													
5													
6													
7	M-1		40			0.0			SP	(6-6.5') Concrete slab (6.5-10') Light brown medium to fine SAND, becoming very fine sand at 9 ft bgs, little to trace fine gravel and coarse sand from 7 to 8 ft bgs (loose) (moist to wet at 9.5 ft bgs) No impact observed			
8						0.0							
9						6.3							
10	M-2		35			0.0			SM	(10-15') Light brown SILTY very fine SAND, becoming medium to fine sand with medium to fine gravel at 14.5 ft bgs (loose to medium dense) (wet) No impact observed			
11						0.0							
12						0.0	0.0						
13						0.0							
14						0.0							
15	M-3		23			0.0			SW	(15-20') Light brown coarse to fine sand, little medium to fine gravel, little to trace very fine sand and little to trace silt at 19 ft bgs (medium dense to dense) (wet) No impact observed			
16						0.0							
17						0.0	0.0						
18						0.0							
19						0.0							
20						0.0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B01A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B01A
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction		REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-4		10			0.0	0.0		SW	(20-22') Light brown medium to fine SAND and GRAVEL (very dense) (wet)			
21						0.0				No impact observed			
22										Macrocore refusal at 22 ft bgs			
23										Bottom of Exploration 22 ft bgs			
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B01A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B01B
 Sheet 1 of 1

Date(s) Drilled and Installed	11/12/13 - 17/12/13	Water Surface Elevation	3.49 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	12.49 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	17.5 ft	Easting	814632.273744	Notes:	Location:
Groundwater Level	9.0 ft bgs	Annular Fill:	NA	Sampler Type:	Auger/Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Auger/Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									FILL	(0-0.25') Asphalt (0.25-6') SAND [FILL]			
1													
2													
3													
4													
5													
6													
7	M-1		36			0.1			SP	(6.5-10') Concrete slab (6.5-10') Light brown to gray medium to fine SAND, some to little coarse to fine gravel (medium dense) (wet at 9 ft bgs) No impact observed			
8						0.1	1.9						
9						0.0							
10	M-2		32			0.0			SW	(10-15') Light brown to gray medium to fine SAND and GRAVEL, trace coarse sand, trace silt, trace fine sand (very dense) (wet) No impact observed			
11						0.0							
12						0.0							
13						22.2	122.6						
14						6.9							
15	M-3		16			3.0			SW	(15-17.5') Light gray medium to fine SAND and GRAVEL, trace silt (very dense) (wet) No impact observed Macrocore refusal at 17.5 ft bgs			
16						4.0							
17						7.0	19.9						
18										Bottom of Exploration 17.5 ft bgs			
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B01B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B01C
 Sheet 1 of 1

Date(s) Drilled and Installed	11/12/13 - 17/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	11.42 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	11.0 ft	Easting	814632.660053	Notes:	Location: Sampler Type: Auger/Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	NE	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Auger/Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									FILL	(0-0.25') Asphalt (0.25-6') SAND [FILL]			
1													
2													
3													
4													
5													
6										(6-9') Concrete slab			
7													
8													
9	M-1		15			0.1			SM	(9-11') Light gray, trace reddish brown SILTY very fine SAND, some coarse to fine gravel, trace olive weathered bedrock fragments at 10.5 to 11 ft bgs (very dense) (moist)			
10						0.3	3.0			No impact observed Macrocore refusal at 11 ft bgs			
11										Bottom of Exploration 11 ft bgs			
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B01C



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B01D
 Sheet 1 of 1

Date(s) Drilled and Installed	4/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	11.46 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	8.0 ft	Easting	814631.319918	Northing	2706658.2521
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		34			1.7	3.4		SW	(0-0.25') Asphalt			
1						0				(0.25-3') Light brown to brown coarse to fine SAND and coarse to fine GRAVEL, little to some silt, little to some very fine sand (medium dense) (moist)			
2						0				No impact observed			
3						0			SW	(3-5') Yellowish red to brown to light brown medium to fine SAND, some silt, little medium to fine gravel (loose to medium dense) (moist)			
4						0				No impact observed			
5	M-2		24			0.4	0.6		SP	(5-8') Light brown coarse to medium to fine poorly-graded SAND, trace coarse to fine gravel, little to trace very fine silty sand 7-8 ft bgs, possible piece of fractured bedrock at 8 ft bgs (loose to medium dense) (moist)			
6						0				No impact observed			
7						0				Macrocore refusal at 8.0 ft bgs			
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B01D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B02A
 Sheet 1 of 2

Date(s) Drilled and Installed	11/12/13 - 18/12/13	Water Surface Elevation	6.29 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	11.29 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	22.5 ft	Easting	814729.658426	Notes:	Location:
Groundwater Level	5.0 ft bgs	Annular Fill:	NA	Sampler Type:	Auger/Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Auger/Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									FILL	(0-0.25') Asphalt (0.25-3.5') SAND [FILL]			
1													
2													
3													
4	M-1		23			1.8			SP	(3.5-4') Concrete slab (4-10') Light brown fine SAND, trace coarse sand (loose) (wet) No impact observed			
5						24.8	23.7						
6						2.0							
7						0.4							
8						2.6							
9						2.0							
10	M-2		33			0.0			SW	(10-15') Light brown fine SAND, becoming coarse to medium to fine sand, some coarse to fine gravel (medium dense) (wet) No impact observed			
11						1.3	17.1						
12						0.0							
13						0.0							
14						0.0							
15	M-3		31			0.0			SW	(15-18') Light brown to brown to gray very coarse to fine SAND and medium to fine GRAVEL (medium dense) (wet) No impact observed			
16						0.0							
17						0.0	0.0						
18						0.0			SP	(18-20') Light brown fine SAND, some to little coarse to fine gravel, trace coarse sand (dense) (wet) No impact observed			
19						0.0							
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B02A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B02A
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS	
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-4		10			0.0	0.0		SW	(20-22.5') Light brown medium to fine SAND, some coarse to fine gravel, trace coarse sand (medium dense to dense) (wet) No impact observed Macrocore refusal at 22.5 ft bgs			
21						0.0							
22													
23										Bottom of Exploration 22.5 ft bgs			
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B02A

Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B02B
 Sheet 1 of 2

Date(s) Drilled and Installed	11/12/13 - 17/12/13	Water Surface Elevation	1.76 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	10.76 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	27.0 ft	Easting	814727.968902	Notes:	Location: Sampler Type: Auger/Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	9.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Auger/Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									FILL	(0-0.25') Asphalt (0.25-7') Clean [FILL]			
1													
2													
3													
4													
5													
6													
7													
8													
9	M-1		52			0.0			SP	(9-10') Gray fine SAND (loose) (wet) Slight naphthalene odor			
10						0.0			SM	(10-13') Light gray SILTY very fine SAND (medium dense) (wet) No impact observed			
11						0.0							
12						0.0							
13						0.0			SP	(13-15') Light brown to reddish brown fine SAND, trace coarse sand (loose) (wet) No impact observed			
14						0.1	1.7						
15	M-2		44			0.6			SP	(15-20') Light brown fine SAND, coarse to fine sand and gravel at 19 to 20 ft bgs (medium dense) (wet) No impact observed			
16						0.2							
17						0.7							
18						3.3	17.2						
19						0.0							
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B02B



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B02B
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-3		32			0.0		SW	(20-22') Light brown coarse to fine SAND, some to little medium to fine gravel (medium dense) (wet) No impact observed			
21						0.1						
22						0.5		SW	(22-24') Light brown fine to very fine SAND, some to little medium to fine gravel (medium dense) (wet) No impact observed			
23						1.8	4.0					
24						1.5		SW	(24-25') Coarse to fine SAND and GRAVEL (wet) No impact observed			
25	M-4		13			1.3		SW	(25-26') Light brown coarse to fine SAND, little medium to fine gravel (medium dense) (wet) No impact observed			
26						1.9	9.5	BR	(26-27') [WEATHERED BEDROCK] fragments (dense) (moist) No impact observed			
27									Macrocore refusal at 27 ft bgs Bottom of Exploration 27 ft bgs			
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B02B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B02C
 Sheet 1 of 1

Date(s) Drilled and Installed	11/12/13 - 17/12/13	Water Surface Elevation	0.61 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	9.61 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	14.5 ft	Easting	814729.206492	Notes:	Location: Sampler Type: Auger/Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	9.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Auger/Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									FILL	(0-0.25') Asphalt (0.25-3.5') [FILL]			
1													
2													
3													
4										(3.5-6.5') Concrete slab			
5													
6													
7	M-1		30			0.0			SP	(6.5-10') Light brown to light gray very fine SAND, trace fine gravel, trace coarse to medium sand at 9.5 ft bgs (loose to medium dense) (wet) No impact observed			
8						0.0	2.3						
9						0.0							
10	M-2		39			0.0			SP	(10-14.5') Gray to light gray medium to fine SAND, little coarse sand, trace fine gravel, little silty very fine sand at 14 ft bgs (very dense) (wet) No impact observed			
11						0.0							
12						0.0	3.2						
13						0.0							
14						0.0							
15										Bottom of Exploration 14.5 ft bgs			
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B02C



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B02D
 Sheet 1 of 2

Date(s) Drilled and Installed	4/12/13	Water Surface Elevation	2.65 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	10.65 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	26.0 ft	Easting	814729.961499	Northing	2706659.98636
Groundwater Level	8.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		42			0	0.0	SW	(0-0.25') Asphalt			
1						0			(0.25-2') Light brown coarse to medium to fine SAND and medium to fine GRAVEL (loose to medium dense) (dry) No impact observed			
2						0		SP	(2-5') Brown to brownish yellow fine to very fine SAND, trace coarse to medium sand, trace silt, trace fine gravel (loose) (dry) No impact observed			
3						0						
4						0						
5	M-2		50			0	0.0	SP	(5-8') Light brown medium to fine SAND, trace coarse sand, trace coarse to fine gravel, trace silt (dry) No impact observed			
6						0						
7						0						
8						0		SW	(8-10') Brown SILTY very fine SAND, little fine gravel (dense) (wet) No impact observed			
9						0						
10	M-3		51			0	0.0	SW	(10-13') Light brown to gray coarse to medium to fine SAND, little coarse to fine gravel (dense) (wet) No impact observed			
11						0						
12						0						
13						0		SP	(13-15') SILTY very fine SAND, trace medium sand, trace fine gravel (wet) No impact observed			
14						0						
15	M-4		56			0	0.0	GW	(15-18') Light brown to brown coarse to medium to fine SAND and GRAVEL (dense) (wet) No impact observed			
16						0						
17						0						
18						0		SP	(18-20') Medium to fine SAND, little to trace fine gravel, trace silt (medium dense) (wet) No impact observed			
19						0						
20						0						

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B02D



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URS Corporation
 Log of Boring B02D
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS	
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-5		40			0			GP	(20-23') Medium to fine GRAVEL, little sand, trace silt (wet) No impact observed			
21						0							
22						0							
23						0			SP	(23-25') Brown medium to fine SAND, little medium to fine gravel (loose to medium dense) (wet) Faint odor at 25 ft bgs			
24						0.5	0.8						
25	M-6		10			0			SM	(25-26') Light brown SILTY very fine SAND (medium dense) (wet) No impact observed Macrocore refusal at 26.0 ft bgs			
26													
27											Bottom of Exploration 8 ft bgs		
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B02D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B03A
 Sheet 1 of 1

Date(s) Drilled and Installed	11/12/13 - 18/12/13	Water Surface Elevation	4.16 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	9.16 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	12.5 ft	Easting	814828.965008	Northing	2706957.46323
Groundwater Level	5.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Auger/Geoprobe			Sampler Type: Auger/Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									FILL	(0-0.25') Asphalt			
1										(0.25-2') SAND [FILL]			
2										(2-3') Concrete slab			
3									--	(3-4') No recovery			
4	M-1		42			0.0			SP	(4-10') Light brown fine to very fine SAND, becoming gravely medium to fine sand at 7 ft bgs (medium dense to dense) (wet at 5 ft bgs)			
5						0.0				No impact observed			
6						0.4	8.5						
7						0.0							
8						0.0							
9						0.0							
10	M-2		22			0.0	1.4		SW	(10-12') Light brown to gray coarse to fine SAND and medium to fine GRAVEL (medium dense to dense) (wet)			
11						0.0				No impact observed			
12									SP	(12-12.5') Light brown to gray fine SAND, little silt, little gravel (medium dense to dense) (wet)			
13										No impact observed			
14										Macrocore refusal at 12.5 ft bgs			
15										Bottom of Exploration 12.5 ft bgs			
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B03A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B03B
 Sheet 1 of 1

Date(s) Drilled and Installed	11/12/13 - 18/12/13	Water Surface Elevation	1.80 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	8.80 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	13.0 ft	Easting	814830.045152	Notes:	Location: Sampler Type: Auger/Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	7.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Auger/Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									FILL	(0-0.25') Asphalt (0.25-5') [FILL]			
1													
2													
3													
4													
5										(5-7') Concrete slab			
6													
7	M-1		6			0.0			SW	(7-10') Gray coarse to fine SAND and GRAVEL (dense) (wet) No impact observed			
8						0.0	0.5						
9						0.0							
10	M-2		28			11.2	81.2		SW	(10-11') Brown to gray coarse to fine SAND and GRAVEL (medium dense) (wet) No impact observed			
11						3.8			SP	(11-13') Light brown medium to fine SAND, little gravel, trace silt, olive weathered bedrock fragments at 13 ft bgs (very dense) (wet) No impact observed Macrocore refusal at 13 ft bgs			
12						0.5							
13										Bottom of Exploration 13 ft bgs			
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B03B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B03C
 Sheet 1 of 2

Date(s) Drilled and Installed	4/12/13	Water Surface Elevation	2.89 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	9.89 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	30.5 ft	Easting	814832.766641	Notes:	Location:
Groundwater Level	7.0 ft bgs	Annular Fill:	NA	Sampler Type:	Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		39			0			SW	(0-0.25') Asphalt			
1						0				(0.25-5') Brown to gray coarse to medium to fine SAND, little coarse to fine gravel (medium dense) (dry)			
2						0				No impact observed			
3						0							
4						0							
5	M-2		41			0.3			SW	(5-10') Gray to greenish gray coarse to medium to fine SAND, with coarse to fine gravel, little silt, little very fine sand, cobbles (dense) (moist to wet at 7 ft bgs)			
6						0				No impact observed			
7						0							
8						0							
9						0							
10	M-3		48			0			SP	(10-12') Gray to light gray coarse to medium to fine SAND, trace fine gravel (loose) (wet)			
11						0				No impact observed			
12						0			SW	(12-15') Light gray SILTY medium to fine to very fine SAND, trace medium to fine gravel, trace coarse sand (loose) (wet)			
13						0				No impact observed			
14						0							
15	M-4		39			0			SP	(15-20') Light gray GRAVELLY fine SAND, some medium to fine pink to white to gray gravel with quartz, poorly-graded/well-sorted, possible garnet present (loose) (wet)			
16						0				No impact observed			
17						0.5							
18						0.7	13.2						
19						0.4							
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B03C



Project: Former Aerovox Facility
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URS Corporation
 Log of Boring B03C
 Sheet 2 of 2

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-5		0						--	(20-25') No recovery, macrocore sampler pushing through cobbles			
21													
22													
23													
24													
25	M-6		50			0			SP	(25-30') Gray coarse to fine SAND and GRAVEL (poorly graded) (wet) No impact observed			
26						0							
27						0							
28						0							
29						0							
30						0	4.2		ML	(30-30.5') Gray to brownish yellow coarse to fine SANDY SILT, trace fine gravel (dense) (moist) No impact observed Macrocore refusal at 30.5 ft bgs Bottom of Exploration 30.5 ft bgs			
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B03C



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B03D
 Sheet 1 of 2

Date(s) Drilled and Installed	5/12/13	Water Surface Elevation	2.05 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	10.05 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	25.0 ft	Easting	814830.359194	Northing	2706661.39875
Groundwater Level	8.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		38			0			SW	(0-0.25') Asphalt			
1						0				(0.25-5') Brown to light brown coarse to medium to fine SAND and GRAVEL (dense) (dry) No impact observed			
2						0	0.2						
3						0							
4						0							
5	M-2		36			0			SW	(5-7') Light brown coarse to medium to fine SAND and GRAVEL (dense) (dry) No impact observed			
6						0							
7						0	0.0		SP	(7-8') Light brown SILTY very fine SAND (dense) (moist) No impact observed			
8						0			SW	(8-10') Light brown medium to fine SAND, little coarse sand, little coarse to fine gravel (dense) (wet) No impact observed			
9						0							
10	M-3		44			0			SW	(10-15') Light brown to gray very coarse to coarse to medium to fine SAND, becoming fine sand at 14.5 ft bgs, some to little coarse to fine gravel, cobbles (dense) (wet) No impact observed			
11						0							
12						0	0.3						
13						0							
14						0							
15	M-4		58			0			SP	(15-20') Light brown very coarse to coarse to medium to fine SAND, trace coarse to medium to fine gravel, cobbles (loose to medium dense) (wet) No impact observed			
16						0							
17						0	3.0						
18						0							
19						0							
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B03D



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
Log of Boring B03D
 Sheet 2 of 2

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS	
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)							
20	M-5		47			0				SP	(20-25') Light brown very coarse to coarse to medium to fine SAND and GRAVEL, becoming fine sand with some silt at 24.5 ft bgs (loose to medium dense) (wet) No impact observed Macrocore refusal at 25 ft bgs			
21						0								
22						0	1.8							
23						0.0								
24														
25											Bottom of Exploration 25 ft bgs			
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														
36														
37														
38														
39														
40														
41														
42														
43														
44														
45														
46														

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B03D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B04.5E
 Sheet 1 of 1

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	9.10 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.3 ft	Easting	815008.186534	Notes:	
Groundwater Level	NE	Annular Fill:		Location:	
Diameter of Borehole	in		NA	Sampler Type:	Hand Auger
Drilling Method	Hand Auger			Hammer Data:	NA
				Well Type:	Sand backfill

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						0.0			SP	(0-0.65') Dark brown SAND and GRAVEL			
1									GP	(0.65-1.3') Coarse GRAVEL Auger refusal at 1.3 ft bgs			
2										Bottom of Exploration 1.3 ft bgs			
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B04.5E



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B04A
 Sheet 1 of 1

Date(s) Drilled and Installed	5/12/13	Water Surface Elevation	1.21 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	8.21 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	20.0 ft	Easting	814927.915991	Northing	2706955.73971
Groundwater Level	7.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		37			0			FILL	(0-0.25') Asphalt (0.25-5') Light brown [FILL], coarse to fine sand and gravel, trace cobbles, trace orange fabric (dense) (dry)			
						0.0							
5	M-2		37			0			SW	(5-10') Brown to light brown coarse to fine SAND, little coarse to fine gravel, trace cobble (dense becoming medium dense) (moist to wet at 7 ft bgs) No impact observed			
						0.6	3.8						
10	M-3		54			0.4			SP	(10-13') Very coarse to coarse to fine SAND (loose to medium dense) (wet) No impact observed			
						1.1	10.2						
						0.3							
						0.8			SW	(13-15') Brown to gray SILTY very fine SAND, some coarse to medium sand, little medium to fine gravel (very dense) (wet) No impact observed			
						0.5							
15	M-4		41			5.4			SP	(15-18') Light brown to brownish yellow very coarse to fine SAND and medium to fine GRAVEL (loose) (wet) No impact observed			
						5.6	38.5						
						2.1							
						1.0			SW	(18-20') Brown medium to fine SAND, trace coarse sand, trace fine gravel (wet) No impact observed Macrocore refusal at 20 ft bgs			
						3.7							
20											Bottom of Exploration 20 ft bgs		

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B04A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B04B
 Sheet 1 of 1

Date(s) Drilled and Installed	5/12/13	Water Surface Elevation	0.99 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.99 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	15.0 ft	Easting	814926.86606	Northing	2706856.07204
Groundwater Level	5.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		41			0		SP	(0-0.25') Asphalt			
1						0			(0.25-2') Gray to brown coarse to fine SAND, some coarse to fine gravel (medium dense) (dry) No impact observed			
2						0			(2-2.5') Concrete slab			
3						1.2	20	SP	(2.5-4') Gray to brown coarse to fine SAND, some coarse to fine gravel (medium dense) (dry) No impact observed			
4						0.2		PT	(4-5') Dark brown highly organic PEAT (medium dense) No impact observed			
5	M-2		49			2.3	0.7	SW	(5-7') Brown coarse to fine SAND, some coarse to fine gravel, trace cobbles (medium dense) (wet) No impact observed			
6						0						
7						0		SP	(7-8') Light gray coarse to fine SAND, trace fine gravel (wet) No impact observed			
8						0		SW	(8-10') Brown coarse to fine SAND, some coarse to fine gravel, trace cobbles (medium dense) (wet) No impact observed			
9						0						
10	M-3		54			1.2		SW	(10-12.5') Light gray to light brown coarse to fine SAND and coarse to fine GRAVEL, trace cobbles (dense) (wet) No impact observed			
11						5.3						
12						0.4						
13						16	7.1	SW	(12.5-14.5') Light gray coarse to fine SAND, some fine gravel (very dense) (moist) No impact observed			
14						7						
15								WBR	(14.5-15') Olive green [WEATHERED BEDROCK] fragments No impact observed Macrocore refusal at 15 ft bgs Bottom of Exploration 15 ft bgs			
16												
17												
18												
19												
20												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B04B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
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URS Corporation
Log of Boring B04C
 Sheet 1 of 1

Date(s) Drilled and Installed	5/12/13	Water Surface Elevation	1.97 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.97 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	9.5 ft	Easting	814927.479337	Notes:	
Groundwater Level	6.0 ft bgs	Northing	2706757.67679	Location:	
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Macrocore
Drilling Method	Geoprobe			Hammer Data:	Direct Push
				Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		38			0			FILL	(0-0.25') Asphalt			
1						0				(0.25-5') Light brown to gray to brown [FILL], coarse to medium to fine sand and gravel (dense) (dry) [FILL]			
2						0				Black tarry material at 3.5 ft bgs			
3						0	52.1						
4						0							
5	M-2		40			0			SW	(5-9') Gray with black staining SILTY very fine SAND, little to trace medium to fine sand, trace medium to fine gravel, trace coarse sand (moist to wet at 7.0 ft bgs)			
6						27.5				Sample visually impacted from 6-9 ft bgs with intervals of black staining; blebs at 7 ft bgs; acetate macrocore liner is stained with black material from 8-9 ft bgs with slight odor at staining			
7						40							
8						25							
9						42	214.3		WBR	(9-9.5') Olive green [WEATHERED BEDROCK] fragments			
10										Macrocore refusal at 9.5 ft bgs			
11										Bottom of Exploration 9.5 ft bgs			
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B04C



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B04D
 Sheet 1 of 1

Date(s) Drilled and Installed	5/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	9.46 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	8.0 ft	Easting	814928.302816	Northing	2706668.34511
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		44			0.0			SW	(0-0.25') Asphalt			
1						0.0				(0.25-1.5') Gray to dark brown coarse to fine SAND, little medium to fine gravel (medium dense) (dry) No impact observed			
2						0.0	0.0		SP	(1.5-5') Gray coarse to fine SAND (dry) No impact observed			
3						0.0							
4						0.0							
5	M-2		32			0.0			SW	(5-8') Dark gray interbedded with light brown coarse to fine SAND, some coarse to fine gravel (medium dense) (dry) No impact observed Macrocore refusal at 8 ft bgs			
6						0.0							
7						0.0							
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B04D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B05.5E
 Sheet 1 of 1

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	7.97 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.3 ft	Easting	815080.295263	Notes:	Location: Sampler Type: Hand Auger Hammer Data: NA Well Type: Sand backfill
Groundwater Level	NE	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Hand Auger				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						0.0				(0-0.65') Dark brown LOAM			
1									SP	(0.65-1.3') Light brown fine SAND, transitioning to coarse gravel at 1.3 ft bgs			
2										Auger refusal at 1.3 ft bgs			
3										Bottom of Exploration 1.3 ft bgs			
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05.5E



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B05A
 Sheet 1 of 2

Date(s) Drilled and Installed	5/12/13	Water Surface Elevation	0.84 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.84 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	21.0 ft	Easting	815029.603519	Northing	2706957.23036
Groundwater Level	7.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		43			0			SW	(0-0.25') Asphalt			
1						0				(0.25-5') Brown to light brown coarse to fine SAND and GRAVEL, concrete fragments 4.5-5 ft bgs (medium dense) (dry) No impact observed			
2						0							
3						0							
4						11.9	30.0						
5	M-2		43			3.0	50.2		SW	(5-9') Brown coarse to fine SAND, some coarse to fine gravel (well graded) (medium dense) (moist to wet at 7 ft bgs) No impact observed			
6						0.8							
7						0.1							
8						0.0							
9						0.0			SW	(9-10') Brown coarse to fine SAND (medium dense) (moist) No impact observed			
10	M-3		55			0			SP	(10-13') Gray medium to fine SAND, with intervals of silty very fine sand, trace coarse sand (medium dense) (wet) No impact observed			
11						0							
12						0							
13						0			SW	(13-15') Brownish yellow coarse to medium to fine SAND, little medium to fine gravel (medium dense) (wet) No impact observed			
14						0.8	3.4						
15	M-4		38			0			SW	(15-20') Brown coarse to fine SAND and GRAVEL (loose) (wet) No impact observed			
16						0							
17						5.4	13.2						
18						6.2							
19						1.2							
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05A



Project: Former Aerovox Facility
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URS Corporation
 Log of Boring B05A
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Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-5					0	0		WBR	(20-21') Olive green [WEATHERED BEDROCK] fragments (dense)			
21										No impact observed			
22										Macrocore refusal at 21 ft bgs			
23										Bottom of Exploration 21 ft bgs			
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B05B
 Sheet 1 of 1

Date(s) Drilled and Installed	6/12/13	Water Surface Elevation	2.42 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.92 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	17.0 ft	Easting	815029.529409	Notes:	
Groundwater Level	3.5 ft bgs	Northing	2706858.89303	Location:	
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Macrocore
Drilling Method	Geoprobe			Hammer Data:	Direct Push
				Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		42			0			SP	(0-0.25') Asphalt (0.25-1') Weathered concrete fragments (possible old slab)			
1						0				(1-5.5') Black to dark brown coarse to medium to fine SAND, red brick fragments, medium to fine gravel (loose) (wet) [FILL] No impact observed			
2						0	0.0						
3						0							
4						0							
5	M-2		40			0			PT	(5.5-9.5') Dark brown highly organic PEAT, little silt, little sand (moist) No impact observed			
6						0							
7						0	0.0						
8						0							
9						0							
10	M-3		43			0			SW	(9.5-10') Brown coarse to medium to fine SAND and GRAVEL (medium dense) (wet) No impact observed			
11						0			SW	(10-15') Brown to light brown coarse to medium SAND and GRAVEL, intervals of silty fine sand (medium dense to dense) (wet) No impact observed			
12						0.7							
13						1.2							
14						2.8							
15						3.0	14.5						
16	M-4					0.9	41.0		SW	(15-17') Brownish yellow coarse to medium to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed Macrocore refusal at 17 ft bgs			
17						0.9							
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B05C
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Date(s) Drilled and Installed	6/12/13	Water Surface Elevation	3.29 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	8.29 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	23.0 ft	Easting	815028.77996	Northing	2706757.32061
Groundwater Level	5.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		40			0			FILL	(0-0.25') Asphalt			
1						0			FILL	(0.25-2') Black to dark brown medium to fine SAND, red brick fragments, medium to fine gravel [FILL] No impact observed			
2						0	5.0		SP	(2-5') Light brown fine to very fine SAND (loose) (dry) No impact observed			
3						0							
4						0							
5	M-2		40			0			SP	(5-6') Light brown fine to very fine SAND (loose) (dry) No impact observed			
6						0			SW	(6-10') Brown to light brown coarse to fine SAND and GRAVEL (medium dense) (wet) No impact observed			
7						0	2.1						
8						0							
9						0							
10	M-3		50			0			SW	(10-11') Brown to gray very coarse to fine SAND and fine GRAVEL (loose) (wet) No impact observed			
11						0			SW	(11-15') Light brown fine to very fine SAND, some medium to fine gravel, some cobbles (dense to medium dense) (wet) No impact observed			
12						0	9.0						
13						0							
14						0							
15	M-4		40			0			SP	(15-20') Brown to gray very coarse to fine SAND and medium to fine GRAVEL, little to trace coarse to medium gravel (poorly graded/well sorted) (loose) (wet) No impact observed			
16						0							
17						0	7.1						
18						0							
19						0							
20						0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05C



Project: Former Aerovox Facility
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 Log of Boring B05C
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Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-5		26			0			SW	(20-23') Light brown to light gray coarse to medium to fine SAND and GRAVEL, trace weathered bedrock fragments at 23 ft bgs (medium dense to dense) (wet) No impact observed Macrocore refusal at 23 ft bgs			
21						0	20.4						
22						0							
23										Bottom of Exploration 23 ft bgs			
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05C



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B05D
 Sheet 1 of 2

Date(s) Drilled and Installed	6/12/13	Water Surface Elevation	1.45 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	8.45 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	25.0 ft	Easting	815029.780248	Northing	2706658.45426
Groundwater Level	7.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		42			0			SW	(0-0.25') Asphalt			
1						0			SP	(0.25-1') Brown medium to fine SAND, some gravel (dense) (dry) No impact observed			
2						0	0			(1-5') Light brown fine to very fine SAND (loose to medium dense) (dry) No impact observed			
3						0							
4						0							
5	M-2		42			0			SP	(5-7.5') Light brown fine to very fine SAND, trace dark brown medium to fine sand and gravel at 6 ft bgs (loose) (dry) No impact observed			
6						0							
7						0	0.3						
8						0			ML	(7.5-8') Light brown SANDY SILT (soft) (wet)			
9						0			SW	No impact observed			
10	M-3		50			0			SW	(8-10') Light brown to brownish yellow coarse to medium to fine SAND and GRAVEL (loose) (wet) No impact observed			
11						0							
12						0	0.4						
13						0							
14						0							
15	M-4		40			0			SW	(15-19') Brown to gray very coarse to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed			
16						0							
17						0	2.5						
18						0							
19						0			SP	(19-20') Light brown SILTY very fine SAND, little coarse to medium to fine gravel at 19.5 ft bgs (medium dense) (wet)			
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05D



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B05D
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		44			0			SW	No impact observed		
21						0				(20-24.5') Brown to gray very coarse to fine SAND and GRAVEL (medium dense) (wet)		
22						0	4.9			No impact observed		
23						0						
24						0						
25						0			WBR	(24.5-25') Dark gray [WEATHERED BEDROCK] fragments (very loose)		
26										No impact observed		
27										Macrocore refusal at 25 ft bgs		
28										Bottom of Exploration 25 ft bgs		
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B05DE
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	2.31 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	8.31 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815049.462611	Northing	2706615.62277
Groundwater Level	6.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Geoprobe				
Notes: Location: Titleist property Sampler Type: Macrocore Hammer Data: NA Well Type: Borehole backfilled to surface					

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		23							(0-1') Dark brown loamy TOPSOIL with fine sand, some coarse to fine gravel (moist)			
1									SW	(1-2') Brownish yellow very fine SAND (moist)			
2									SP	(2-4') Light brown very fine to fine SAND (loose) (moist)			
3													
4	M-2		38						SP	(4-8') Light brown to brown fine to very fine SAND (loose) (moist to wet at 6 ft bgs)			
5													
6													
7													
8													
9										Bottom of Exploration 8 ft bgs			
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05DE



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B05EF
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	1.98 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	8.98 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)		Checked By
Total Depth of Borehole	8.0 ft	Easting	815030.883026	Northing	2706570.76346
Groundwater Level	7.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location: Titleist property	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: NA	
				Well Type: Borehole backfilled to surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction		REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)							
0	M-1		40							(0-1') Dark brown loamy SAND, trace coarse to fine gravel (loose) (moist)				
1									SP	(1-2') Brownish yellow very fine SAND (loose) (moist)				
2									SP	(2-4') Light brown very fine to fine SAND (loose) (moist)				
3														
4	M-2		41						SP	(4-8') Light brown very fine to fine SAND, trace silt from 7-8 ft bgs (loose) (moist to wet at 7 ft bgs)				
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B05EF



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B06.5E
 Sheet 1 of 1

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	7.29 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.3 ft	Easting	815177.974965	Northing	2706603.64435
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Hand Auger			Sampler Type: Hand Auger	
				Hammer Data: NA	
				Well Type: Sand backfill	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						0.1					(0-0.4') Dark brown LOAM		
1									SP		(0.4-1.25') Light brown SAND, trace gravel Auger refusal at 1.25 ft bgs on gravel Bottom of Exploration 1.25 ft bgs		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06.5E



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B06.5H
 Sheet 1 of 1

Date(s) Drilled and Installed	29/4/14	Water Surface Elevation	7.09 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	8.09 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815203.90515	Northing	2706424.91888
Groundwater Level	1.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes:			
Drilling Method	Geoprobe	Location: Titleist property			
		Sampler Type: Macrocore			
		Hammer Data: NA			
		Well Type: Borehole backfilled to surface			

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		26							(0-1') Dark brown LOAM			
1								FILL		(1-2') SILTY medium to fine SAND and GRAVEL, trace red brick fragments [FILL] (wet)			
2								FILL		(2-4') Light brown to brown SILTY very fine SAND, some coarse to fine gravel, little coarse sand, trace white powdery material, trace glass [FILL] (loose) (wet)			
3													
4	M-2		34					SM/GM		(4-7') Dark brown to brown SILTY medium to fine SAND and coarse to fine GRAVEL, little coarse sand (loose) (wet)			
5													
6													
7								PT		(7-8') Dark brown highly organic PEAT (moist)			
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06.5H



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B06.5I
 Sheet 1 of 1

Date(s) Drilled and Installed	29/4/14	Water Surface Elevation	5.23 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.23 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815204.973853	Notes:	
Groundwater Level	2.0 ft bgs	Northing	2706385.74554	Location:	Titleist property
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Macrocore
Drilling Method	Geoprobe			Hammer Data:	NA
				Well Type:	Borehole backfilled to surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		32						FILL	(0-2') Brown to gray SILTY medium to fine SAND, little medium to fine gravel, trace red brick fragment, trace white mortar [FILL] (medium dense) (moist)			
1									FILL	(2-4') Dark brown to light brown SILTY fine SAND and coars eto fine GRAVEL, trace brownish yellow sand [FILL] (medium dense) (wet)			
2													
3													
4	M-2		45						SM-GM	(4-6') Brown to gray SILTY very fine to fine SAND and coarse to fine GRAVEL (loose to medium dense) (wet)			
5													
6									PT	(6-8') Dark brown PEAT (moist)			
7													
8													
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06.5I



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B06.5J
 Sheet 1 of 1

Date(s) Drilled and Installed	29/4/14	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	NA	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)		Checked By
Total Depth of Borehole	8.0 ft	Easting	Northing		Notes:
Groundwater Level	4.0 ft bgs	Annular Fill:		Location: Titleist property	
Diameter of Borehole	in	NA		Sampler Type: Macrocore	
Drilling Method	Geoprobe			Hammer Data: NA	
				Well Type: Borehole backfilled to surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		37						FILL	(0-2') Brown to dark brown medium to fine SAND, little to trace medium to fine gravel [FILL] (loose) (moist)			
2									SM-GM	(2-4') Brown SILTY medium to fine SAND and coarse to fine GRAVEL (medium dense) (moist)			
4	M-2		23						SM-GM	(4-8') Light brown SILTY fine SAND and coarse to fine GRAVEL (medium dense to dense) (wet)	▽		
8	Bottom of Exploration 8 ft bgs												
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06.5J



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B06A
 Sheet 1 of 2

Date(s) Drilled and Installed	9/12/13	Water Surface Elevation	1.34 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.34 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	27.0 ft	Easting	815127.785918	Notes:	Location:
Groundwater Level	6.0 ft bgs	Annular Fill:	NA	Sampler Type:	Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		34			0			FILL	(0-0.25') Asphalt			
1						0				(0.25-5') Light brown to dark brown to brownish yellow coarse to fine SAND and GRAVEL, pink insulation fabric, cobbles (loose to medium dense) (dry) [FILL]			
2						0	0.3						
3						0							
4						0							
5	M-2		36			0			SW	(5-6') Light brown to gray coarse to fine SAND with fine gravel (loose) (dry)			
6						0			SP	No impact observed			
7						0				(6-10') Fine to very fine SAND, trace fine gravel, trace coarse sand (wet)			
8						0				No impact observed			
9						0	0.2						
10						0	0.4	0.7					
11	M-3		51			0			SW	(10-13') Gray coarse to fine SAND, little to trace fine gravel (loose) (wet)			
12						0				No impact observed			
13						0			SP	(13-15') Brownish yellow medium to fine SAND, trace medium to fine gravel (loose) (wet)			
14						0	0.1	0.5		No impact observed			
15						0.6		4.0	SP	(15-17') Brownish yellow coarse to fine SAND (loose) (wet)			
16	M-4		52			0	0.4			No impact observed			
17						0			SP	(17-20') Gray fine to very fine SAND, trace medium to fine gravel at 20 ft bgs (loose) (wet)			
18						0				No impact observed			
19						0							
20						0.1							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06A



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B06A
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		50			0.5		SW	(20-24') Gray very coarse to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed			
21					0.4							
22					0							
23					0.1			ML	(24-25') Light brown SILT, trace fine gravel, trace medium sand (soft) (wet) No impact observed			
24					0.6	2.8						
25	M-6		20			1.0		GP	(25-27') Coarse to fine GRAVEL, some very coarse to fine sand (loose to medium dense) (wet) No impact observed Macrocore refusal at 27 ft bgs			
26					1.2	21.8						
27									Bottom of Exploration 27 ft bgs			
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B06B
 Sheet 1 of 2

Date(s) Drilled and Installed	9/12/13	Water Surface Elevation	2.19 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.19 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	29.0 ft	Easting	815126.610934	Notes:	
Groundwater Level	4.0 ft bgs	Northing	2706859.707	Location:	
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Macrocore/2-ft Split Spoon
Drilling Method	Geoprobe			Hammer Data:	Direct Push/Autohammer
				Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		38			0			FILL	(0-0.25') Asphalt			
1						0				(0.25-5') Brown to black coarse to fine SAND, GRAVEL, black cinder, red brick fragments, mortar (moist to wet at 4 ft bgs) [FILL]			
2						0	2.2						
3						0							
4						0							
5	M-2		30			0			PT	(5-10.5') Brown highly organic PEAT, trace fine gravel (moist) Strong sulfur odor No impact observed			
6						0							
7						0							
8						0	3.9						
9						0	9.4						
10	M-3		46			1.9	1.2						
11						0.6			SW	(10.5-11') Reddish brown medium to fine SAND, little to trace gravel (loose) (wet) No impact observed			
12						0.1			SW	(11-15') Light brown to gray very coarse to coarse to medium to fine SAND and GRAVEL (loose) (wet) No impact observed			
13						0.0							
14						0.0							
15	M-4		54			0			SP	(15-18') Gray fine to very fine SAND, trace coarse sand (loose) (wet) No impact observed			
16						0							
17						0	0.6						
18						0			SP	(18-20') Gray very coarse to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed			
19						0							
20						0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06B



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B06B
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		42			0		SW	(20-22') Gray very coarse to coarse to medium to fine SAND and GRAVEL (loose) (wet) No impact observed			
21						0.7						
22						1.2		SP	(22-25') Gray, trace reddish brown, SILTY very fine SAND, trace coarse to fine gravel at 25 ft bgs (loose to medium dense) (wet) No impact observed			
23						1.6						
24						2.4	11.5					
25	M-6		46			2.4		SW	(25-27') Gray SAND and GRAVEL, cobbles (medium dense) (wet) No impact observed			
26						3.2						
27						5.1						
28						5.8	31.2	CL	(27-29') Brownish yellow SANDY CLAY, trace fine gravel, trace olive weathered bedrock fragments 28.5-29 ft bgs (very stiff) (moist) No impact observed Macrocore refusal at 29 ft bgs			
29						0.9						
30									Bottom of Exploration 29 ft bgs			
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B06C
 Sheet 1 of 1

Date(s) Drilled and Installed	9/12/13	Water Surface Elevation	2.65 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.65 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	19.0 ft	Easting	815127.363093	Notes:	Location:
Groundwater Level	5.0 ft bgs	Annular Fill:	NA	Sampler Type:	Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		50			0			FILL	(0-0.25') Asphalt			
1						0				(0.25-3') Brown to light brown SAND, GRAVEL, red brick fragments, black cinder (loose to medium dense) (dry) [FILL] No impact observed			
2						0	0.0						
3						0			SP	(3-5') Light brown very fine to fine SAND, trace coarse to medium sand (loose) (dry) No impact observed			
4						0							
5	M-2		41			0			SP	(5-10') Brown to reddish brown coarse to medium to fine SAND, little fine to very fine sand from 5-6 ft bgs(loose) (wet) No impact observed			
6						0							
7						0	0.0						
8						0							
9						0							
10	M-3		54			0			SP	(10-12') Brown to gray coarse to medium to fine SAND (loose) (wet) No impact observed			
11						0							
12						0	16.3		SP	(12-15') Light brown to gray very fine SAND, trace fine gravel at 14.5 ft bgs (loose to medium dense) (wet) No impact observed			
13						0							
14						0							
15	M-4		40			0			SP	(15-17') Brown medium to fine SAND, little coarse sand (loose) (wet) No impact observed			
16						0							
17						0							
18						0			SW	(17-19') Light brown coarse to fine SAND and GRAVEL (medium dense) (wet) No impact observed Macrocore refusal at 19 ft bgs			
19						0.8	10.4						
20										Bottom of Exploration 19 ft bgs			

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06C



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Log of Boring B06D
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Date(s) Drilled and Installed	6/12/13	Water Surface Elevation	2.79 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.79 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	24.0 ft	Easting	815129.303114	Notes:	
Groundwater Level	5.0 ft bgs	Northing	2706659.6632	Location:	
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Macrocore
Drilling Method	Geoprobe			Hammer Data:	Direct Push
				Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		28			0			FILL	(0-0.25') Asphalt			
1						0				(0.25-3') Cobbles and concrete fragments [FILL]			
2						0.1	4.2						
3						0			SW	(3-5') Brown to brownish yellow SILTY medium to fine SAND, trace fine gravel, trace cobbles (loose to medium dense) (moist to wet)			
4						0				No impact observed			
5	M-2		46			0.6	0.8		SP	(5-10') Light brown to light gray fine to very fine SAND, trace silt, trace coarse sand, trace fine gravel (loose) (wet)			
6						0.1				No impact observed			
7						0							
8						0							
9						0.1							
10	M-3		52			0.1			SP	(10-13') Light brown becoming light gray very fine SAND, trace coarse sand (loose) (wet)			
11						0.3				No impact observed			
12						0.7							
13						0.5			SW	(13-15') Coarse to medium to fine SAND and GRAVEL (loose) (wet)			
14						2.2	8.5			No impact observed			
15	M-4		50			6.2	67.8		SW	(15-16') Light brown medium to fine SAND, some medium to fine gravel (loose) (wet)			
16						0.6			GW	No impact observed			
17						1.3				(16-20') Coarse to medium to fine GRAVEL, some coarse to fine sand (loose to medium dense) (wet)			
18						2.7				No impact observed			
19						2.8							
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06D



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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS	
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-5		28			2.1			SW	(20-24') Light brown coarse to medium to fine SAND and GRAVEL (medium dense) (wet) Olive WEATHERED BEDROCK fragments at 24 ft bgs No impact observed Macrocore refusal at 24 ft bgs			
21						3.3	13.2						
22						0.6							
23						0.5							
24						3.1							
24										Bottom of Exploration 24 ft bgs			
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06D



Project: Former Aerovox Facility
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Log of Boring B06EF
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Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	4.11 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	8.11 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815125.076989	Northing	2706572.953
Groundwater Level	4.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Titleist property Sampler Type: Macrocore Hammer Data: NA Well Type: Borehole backfilled to surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		27						SM	(0-2') Dark brown LOAM, becoming SILTY fine to very fine SAND, trace coarse sand (moist)			
1													
2									SM-GM	(2-4') Light brown SILTY very fine SAND with coarse to fine gravel (medium dense) (moist)			
3													
4	M-2		42						SM-GM	(4-5') Light brown SILTY medium to very fine SAND, some coarse to fine gravel, trace silt (medium dense) (wet)	▽		
5									PT	(5-7') Dark brown highly organic PEAT (moist)			
6													
7									SM	(7-8') Brown very fine to fine SAND/SILTY SAND, trace medium to fine gravel, trace organic material (loose) (wet)			
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B06EF



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Log of Boring B07.5BC
 Sheet 1 of 1

Date(s) Drilled and Installed	18/12/13	Water Surface Elevation	1.91 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	4.91 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	19.0 ft	Easting	815274.94762	Notes:	Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	3.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		32			0.0		FILL	(0-0.25') Asphalt				
1						0.0			(0.25-5') Dark brown to black [FILL], medium to fine sand, gravel, red brick fragments, black cinder (medium dense) (wet at 3 ft bgs)				
2						0.0	0.2						
3						0.0							
4						0.0							
5	M-1		55			0.0		PT	(5-10') Brown to reddish brown highly organic [PEAT], trace silt (wet)				
6						0.2			No impact observed				
7						0.0							
8						0.0	3.1						
9						0.0							
10	M-3		42			0.0		SP	(10-12') Dark brown coarse to fine SAND, little very coarse sand, little fine gravel (loose) (wet)				
11						0.0			No impact observed				
12						0.0	0.0	SW	(12-15') Gray coarse to fine SAND and GRAVEL (loose) (wet)				
13						0.0			No impact observed				
14						0.0							
15	M-4		NR			0.0		SP	(15-19') Light gray becoming light brown at 18.5 ft bgs coarse to fine SAND, little medium to fine gravel, trace silt, possible rock fragments at 19 ft bgs (medium dense to dense) (wet)				
16						0.0			No impact observed				
17						0.0			Macrocore refusal at 19 ft bgs				
18						0.0							
19									Bottom of Exploration 19 ft bgs				
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07.5BC



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Log of Boring B07.5E
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Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	6.43 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.3 ft	Easting	815280.131803	Northing	2706603.05911
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Hand Auger			Sampler Type: Hand Auger	
				Hammer Data: NA	
				Well Type: Sand backfill	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						0.7				(0-1.3') Dark brown LOAM, some gravel Refusal at 1.3 ft bgs on gravel			
1										Bottom of Exploration 1.3 ft bgs			
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07.5E



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Log of Boring B07.5F
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Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	5.34 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.2 ft	Easting	815361.819464	Northing	2706556.98944
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Hand Auger			Sampler Type: Hand Auger	
				Hammer Data: NA	
				Well Type: Sand backfill	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						0.0				(0-0.4') Brown LOAM with gravel			
1									SP GP	(0.4-0.8') Light brown medium SAND (0.8-1.2') Coarse GRAVEL Auger refusal at 1.2 ft bgs			
2										Bottom of Exploration 1.2 ft bgs			
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07.5F



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URS Corporation
Log of Boring B07A
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Date(s) Drilled and Installed	9/12/13	Water Surface Elevation	2.03 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.03 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	26.0 ft	Easting	815226.316405	Notes:	Location:
Groundwater Level	5.0 ft bgs	Annular Fill:	NA	Sampler Type:	Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		45			0			FILL	(0-0.25') Asphalt			
1						0				(0.25-5') Light brown, trace black [FILL], coarse to fine sand and gravel, trace black cinder (medium dense to dense) (dry)			
2						0.3	14.1						
3						0							
4						0							
5	M-2		50			0			SP	(5-7') Reddish brown SILTY medium to fine SAND, trace coarse sand (medium dense) (wet) No impact observed			
6						0							
7						0			SW	(7-10') Gray coarse to medium to fine SAND and GRAVEL (loose to medium dense) No impact observed			
8						0.3	0.8						
9						0							
10	M-3		50			1.2			SW	(10-12') Gray coarse to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed			
11						4.3	13.7						
12						0.9			SP	(12-15') Brownish yellow very coarse to coarse to medium to fine SAND and fine GRAVEL (loose to medium dense) (wet) No impact observed			
13						1.6							
14						0.7							
15	M-4		53			1.2			SP	(15-17') Brownish yellow to reddish brown coarse to fine SAND, little very coarse sand (loose) (wet) No impact observed			
16						0.9							
17						0.9			SP	(17-18') Gray coarse to fine SAND (loose) (wet) No impact observed			
18						0.9			SW	(18-20') Gray very coarse to fine SAND and fine GRAVEL (loose) (wet) No impact observed			
19						2.0	4.2						
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07A



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 Log of Boring B07A
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		38			0			SW	(20-25') Gray coarse to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed		
21					0.2							
22					0							
23					1.8	9.1						
24					0.2							
25	M-6		0					--	(25-26') No recovery Macrocore refusal at 26 ft bgs			
26										Bottom of Exploration 26 ft bgs		
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Project: Former Aerovox Facility
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Log of Boring B07B
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Date(s) Drilled and Installed	10/12/13	Water Surface Elevation	1.33 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.33 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	21.0 ft	Easting	815226.448324	Notes:	
Groundwater Level	5.0 ft bgs	Northing	2706861.31862	Location:	
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Macrocore
Drilling Method	Geoprobe			Hammer Data:	Direct Push
				Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		13			0			FILL	(0-0.25') Asphalt			
1						0				(0.25-5') [FILL], red brick fragments, sand, trace silt (loose to medium dense) (dry)			
2						0	3.3			No impact observed			
3						0							
4						0							
5	M-2		33			0			SP	(5-10') Gray coarse to fine SAND, little coarse to fine gravel (loose to medium dense) (wet)			
6						0				No impact observed			
7						0	0.1						
8						0							
9						0							
10	M-3		17			0			SW	(10-15') Brown to gray coarse to fine SAND, some medium to fine gravel, 2-inch layer of peat at 12.5 ft bgs (loose to medium dense) (wet)			
11						0				No impact observed			
12						0	0.9						
13						0	1.6						
14						0	6.9	13.4					
15	M-4		50			1.4			SP	(15-20') Brown to gray coarse to fine SAND, some coarse to fine gravel (medium dense) (wet)			
16						2.6				No impact observed			
17						6.2							
18						6.3	9.3						
19						0							
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07B



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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		12			0	0		SW	(20-21') Light gray medium to fine SAND, little medium to fine gravel, trace silt (loose to medium dense) (wet)		
21										No impact observed		
22										Macrocore refusal at 21 ft bgs		
23										Bottom of Exploration 21 ft bgs		
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
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41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07B



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URS Corporation
Log of Boring B07C
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Date(s) Drilled and Installed	10/12/13	Water Surface Elevation	2.35 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.85 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	32.0 ft	Easting	815227.922505	Notes:	Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	3.5 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		25			0.0			FILL	(0-5') [FILL], sand, gravel, concrete fragments, brick fragments (loose to medium dense) (wet)			
1						0.0							
2						0.0							
3						0.0							
4						0.3	20.0						
5	M-2		21			1.8	2.6		PT	(5-13') Dark brown PEAT (medium dense) No impact observed			
6						2.0							
7						0.8							
8						0.5							
9						5.9	8.5						
10	M-3		43			0.8	2.6						
11						0.7							
12						0.2							
13						0.0			SW	(13-15') Dark brown coarse to medium SAND, little medium to fine gravel (loose to medium dense) (wet) No impact observed			
14						0.0							
15	M-4		38			0.0			SW	(15-18') Gray coarse to medium SAND, little medium to coarse gravel (loose to medium dense) (wet) No impact observed			
16						0.0							
17						0.0	0.9						
18						0.0			GW	(18-20') Gray coarse to fine GRAVEL, little coarse to medium sand, trace silt (loose to medium dense) (wet) No impact observed			
19						0.0							
20						0.0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07C



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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		28			1.2			GW (20-25') Gray coarse to fine GRAVEL, little coarse to medium sand (loose to medium dense) (wet) No impact observed			
21					1.9	11.2						
22					1.0							
23					0.8							
24					0.4				GW (25-30') Gray coarse to fine GRAVEL, little coarse to medium sand, trace silt (loose to medium dense) (wet) No impact observed			
25	M-6		9		2.7	27.0						
26					2.5							
27					0.1							
28					0.1				SP (30-32') Brown to light brown coarse to fine SAND, little medium to fine gravel, trace silt, olive weathered bedrock fragments 31.5-32 ft bgs (dense) (wet) No impact observed Macrocore refusal at 32 ft bgs			
29					10.1	13.0						
30	M-7		13		5.8							
31												
32								Bottom of Exploration 32 ft bgs				
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07C



Project: Former Aerovox Facility
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Log of Boring B07D
 Sheet 1 of 2

Date(s) Drilled and Installed	10/12/13	Water Surface Elevation	2.01 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.01 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	31.0 ft	Easting	815229.258013	Notes:	Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	5.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Geoprobe				

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		23			1.9	10.4		SP	(0-0.25') Asphalt		
1						0.0				(0.25-5') Light brown coarse to fine SAND, little medium to fine gravel, trace silt (medium dense to dense) (moist) No impact observed		
2						1.0						
3						0.5						
4						0.1						
5	M-2		52			9.0	15.9		SW	(5-6') Gray to brown GRAVELY SAND (loose) (wet) No impact observed		
6						8.9			PT	(6-8') Dark brown PEAT (medium dense) No impact observed		
7						8.4						
8						6.3			SW	(8-10') Brown medium to fine SAND (medium dense) (wet) No impact observed		
9						0.3						
10	M-3		46			0.0			SW	(10-13.5') Light brown medium to fine SAND, 1" seam of medium to fine sand with some gravel at 12.5 ft bgs (medium dense) (wet) No impact observed		
11						0.0						
12						0.0	0.0					
13						0.0						
14						0.0			GW-SW	(13.5-15') Gray GRAVELY coarse to fine SAND (loose to medium dense) (wet) No impact observed		
15	M-4		31			0.0			GW	(15-20') Gray to brown coarse to fine SANDY GRAVEL (medium dense) (wet) No impact observed		
16						0.0						
17						0.0	0.7					
18						0.0						
19						0.0						
20						0.0						

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07D



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B07D
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		29			0.6		SP	(20-25') Gray coarse to fine SAND, some coarse to fine gravel (loose) (wet) No impact observed			
21						1.1						
22						0.9						
23						1.5	6.4	SW	(25-30') Light gray coarse to fine SAND, little coarse to fine gravel, little silt (dense) (wet) No impact observed			
24						0.0						
25	M-6		24			1.6						
26						1.4		GW	(30-31') Brown to gray coarse to fine GRAVEL, some coarse to fine sand, cobble at 31 ft bgs (dense to very dense) (wet) No impact observed Macrocore refusal at 31 ft bgs Bottom of Exploration 31 ft bgs			
27						1.7	2.6					
28						1.7						
29						0.7		GW	(30-31') Brown to gray coarse to fine GRAVEL, some coarse to fine sand, cobble at 31 ft bgs (dense to very dense) (wet) No impact observed Macrocore refusal at 31 ft bgs Bottom of Exploration 31 ft bgs			
30	M-7		9			0.6	6.4					
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B07DE
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	3.07 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.07 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815232.855128	Northing	2706623.56471
Groundwater Level	4.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Titleist property Sampler Type: Macrocore Hammer Data: NA Well Type: Borehole backfilled to surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		36							(0-0.65') Dark brown LOAM with very fine sand			
1								FILL		(0.65-1.3') Black FILL material, possible coal, trace red brick fragments			
2								SW		(1.3-2') Light brown very fine to fine SAND, little coarse to fine gravel (moist)			
3								SW-GW		(2-4') Brown to light gray coarse to fine SAND and GRAVEL, trace silt (medium dense) (moist)			
4	M-2		58					SP		(4-6') Light brown to gray medium to fine SAND, becoming very fine to fine sand, little silt (loose) (wet)			
5													
6								PT		(6-8') Dark brown highly organic PEAT, little to trace fine sand at 8 ft bgs (moist to wet at 8 ft bgs)			
7													
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07DE



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B07EF
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	2.85 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.85 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)		Checked By
Total Depth of Borehole	8.0 ft	Easting	815217.179991	Northing	2706574.01747
Groundwater Level	4.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location: Titleist property	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: NA	
				Well Type: Borehole backfilled to surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction		REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)							
0	M-1		18							(0-1') Grass at surface; dark brown LOAM				
1									SP	(1-2') Dark brown very fine to fine SAND, trace medium to fine gravel (loose) (moist)				
2									SW	(2-4') Dark brown very fine to fine SAND with coarse to fine gravel (loose) (moist)				
3														
4	M-2		36						SW-GW	(4-5') Dark brown medium to fine SAND and GRAVEL, trace silt (loose) (wet)				
5									PT	(5-7') Highly organic PEAT (moist)				
6														
7									SP	(7-8') Dark brown medium to fine SAND, trace organic material (loose) (wet)				
8										Bottom of Exploration 8 ft bgs				
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07EF



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B07FG
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	3.05 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	7.05 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815239.143256	Northing	2706516.25451
Groundwater Level	4.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location: Titleist property	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: NA	
				Well Type: Borehole backfilled to surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		31						FILL	(0-4') Gray to light gray to brown coarse to fine SAND and GRAVEL, trace glass fragments [FILL] (medium dense) (moist)			
1													
2													
3													
4	M-2		37						SM	(4-5') Light gray SILTY coarse to fine SAND and GRAVEL (loose) (wet)			
5									PT	(5-6') Dark brown highly organic PEAT (moist)			
6									SP-GP	(6-8') Dark brown coarse to fine SAND and GRAVEL, trace silt (loose) (wet)			
7													
8													
9										Bottom of Exploration 8 ft bgs			
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07FG



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B07G
 Sheet 1 of 1

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	5.82 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.8 ft	Easting	815335.198072	Northing	2706509.06422
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Hand Auger			Sampler Type: Hand Auger	
				Hammer Data: NA	
				Well Type: Sand backfill	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						0.1				(0-1') Dark brown SILTY LOAM with gravel			
1									SP	(1-1.65') Light brown medium to fine SAND, trace gravel			
2									SP	(1.65-1.8') Gray coarse SAND and GRAVEL Bottom of Exploration 1.8 ft bgs			
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07G



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B07GH
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	2.88 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.88 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815246.929777	Northing	2706467.67066
Groundwater Level	4.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes:			
Drilling Method	Geoprobe	Location: Titleist property			
		Sampler Type: Macrocore			
		Hammer Data: NA			
		Well Type: Borehole backfilled to surface			

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		34						FILL	(0-0.5') Dark brown LOAM			
1									SM-GM	(0.5-1') Black to brown fine SAND, trace red brick fragments [FILL] (moist)			
2										(1-4') Light brown SILTY fine SAND with coarse to fine GRAVEL (medium dense) (moist)			
3													
4	M-2		38						SW-GW	(4-6') Brown becoming gray coarse to fine SAND and GRAVEL (loose) (wet)			
5													
6									PT	(6-8') Dark brown highly organic PEAT, at 8 ft bgs trace silt, trace sand, trace gravel (moist to wet)			
7													
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B07GH



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B071
 Sheet 1 of 1

Date(s) Drilled and Installed	29/4/14	Water Surface Elevation	2.88 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.88 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815236.720747	Northing	2706383.46613
Groundwater Level	4.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Titleist property Sampler Type: Macrocore Hammer Data: NA Well Type: Borehole backfilled to surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		22							(0-1') Dark brown LOAM			
1								FILL		(1-2') Dark brown SILTY fine SAND and coarse to fine GRAVEL, trace red brick fragments, trace brownish yellow sand [FILL] (moist)			
2								SM-GM		(2-4') Light brown SILTY medium to fine SAND and coarse to fine GRAVEL medium dense) (moist)			
3													
4	M-2		29					SM-GM		(4-6') Light brown SILTY medium to fine SAND and coarse to fine GRAVEL, little to trace coarse sand (medium dense to dense) (wet)			
5													
6								SW-GW		(6-8') Gray coarse to fine SAND and GRAVEL (medium dense to dense) (wet)			
7													
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B071



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08.5DE
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	3.71 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.71 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815395.63418	Northing	2706620.97289
Groundwater Level	2.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location: Titleist property	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: NA	
				Well Type: Borehole backfilled to surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		27							(0-1') Dark brown LOAM			
1								FILL		(1-2') Brown fine SAND and coarse to fine GRAVEL, trace red brick fragments and coal-like material [FILL] (moist)			
2								SW-GW		(2-4') Light brown medium to fine SAND and coarse to fine GRAVEL (medium dense) (wet)			
3													
4	M-2		36					SM		(4-6') Dark brown to gray to dark gray SILTY very fine to fine SAND, some gravel (loose) (wet)			
5													
6								SW		(6-8') Dark gray coarse to fine SAND, some coarse to fine gravel, trace silt (loose) (wet)		No peat layer present at this location	
7													
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08.5DE



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08.5E
 Sheet 1 of 1

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	5.71 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.3 ft	Easting	815371.538186	Northing	2706607.09738
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Hand Auger			Sampler Type: Hand Auger	
				Hammer Data: NA	
				Well Type: Sand backfill	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						1.6					(0-1.25') Dark brown to black LOAM Auger refusal at 1.25 ft bgs		
1											Bottom of Exploration 1.25 ft bgs		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08.5E



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08.5EF
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	2.43 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.43 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815381.080458	Notes:	Location: Titleist property
Groundwater Level	3.0 ft bgs	Annular Fill:		Sampler Type:	Macrocore
Diameter of Borehole	in		NA	Hammer Data:	NA
Drilling Method	Geoprobe			Well Type:	Borehole backfilled to surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		32							(0-1') Dark brown LOAM with sand and gravel			
1								FILL		(1-3') Dark brown to gray coarse to fine SAND and GRAVEL, trace organic material, trace red brick fragments [FILL] (moist)			
2													
3								SM		(3-4') Light brown SILTY very fine to fine SAND, little coarse to fine gravel, little to trace coarse sand (loose) (wet)			
4	M-2		47					SW		(4-7.5') Light brown becoming dark brown very fine to medium SAND, little coarse to fine gravel			
5													
6													
7													
8								SM		(7.5-8') Dark gray SILTY fine SAND (wet)			
9										Bottom of Exploration 8 ft bgs			
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08.5EF



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08.5F
 Sheet 1 of 1

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	6.05 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.3 ft	Easting	815279.450267	Northing	2706563.75609
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Hand Auger			Sampler Type: Hand Auger	
				Hammer Data: NA	
				Well Type: Sand backfill	

Depth, feet	SAMPLES										Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction		REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)									
0													(0-1.3') Dark brown SANDY TOPSOIL with gravel			
1													Auger refusal at 1.3 ft bgs			
2													Bottom of Exploration 1.3 ft bgs			
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
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18																
19																
20																

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08.5F



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08A
 Sheet 1 of 2

Date(s) Drilled and Installed	11/12/13 - 12/12/13	Water Surface Elevation	1.80 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Currier/J. Harshman	Surface Elevation	6.80 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	38.0 ft	Easting	815323.181859	Notes:	Location:
Groundwater Level	5.0 ft bgs	Annular Fill:	NA	Sampler Type:	Auger/Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Auger/Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		32			0.0			FILL	(0-0.25') Asphalt			
1						0.0				(0.25-3') Light brown to brown [FILL], sand, gravel, brick fragments, glass, concrete at 2.5 to 3 ft bgs (very dense to dense)			
2						0.0							
3			NA							(3-5') Concrete slab			
4													
5	M-2		47			0.0			SW	(5-10') Brown to gray coarse to fine SAND, little coarse to fine gravel, trace gray silt 8.7-10 ft bgs (medium dense to dense) (wet) No impact observed			
6						0.0							
7						0.0	0.0						
8						0.0							
9						0.0							
10	M-3		58			0.0			SW	(10-15') Brownish yellow to gray coarse to fine SAND, little medium to fine gravel (medium dense) (wet) No impact observed			
11						0.0							
12						0.0	2.7						
13						0.0							
14						0.0							
15	M-4		60			0.5			SW	(15-18.5') Light brown coarse to fine SAND, little medium to fine gravel (medium dense to dense) (wet) No impact observed			
16						0.4							
17						0.2							
18						0.4							
19						0.8			SW	(18.5-20') Medium to fine GRAVELY coarse to fine SAND (loose to medium dense) (wet) No impact observed			
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08A



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B08A
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		44			0.8		SW	(20-25') Light brown coarse to fine SAND, trace coarse to fine gravel (loose to medium dense) (wet) No impact observed			
21						4.8	10.3					
22						2.5						
23						1.0						
24						0.0						
25	M-6		57			1.5		SP	(25-30') Light brown coarse to fine SAND, trace fine gravel (medium dense) (wet) No impact observed			
26						4.7						
27						4.7						
28						5.6	14.8					
29						1.7						
30	M-7		25			0.4		SP	(30-34.75') Light brown coarse to fine SAND (medium dense to dense) (wet) No impact observed			
31						3.7						
32						6.2	13.2					
33						2.7						
34						3.1						
35	M-8		31			1.4		SW SW	(34.75-35') Light brown coarse to fine SAND and fine GRAVEL (loose) (wet) No impact observed			
36						1.2			(35-38') Light brown to gray coarse to fine SAND, some coarse to fine gravel, silt at 36 ft bgs (loose to medium dense) (wet) No impact observed			
37						3.1	13.3		Macrocore refusal at 38 ft bgs			
38						0.2			Bottom of Exploration 38 ft bgs			
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08B
 Sheet 1 of 2

Date(s) Drilled and Installed	11/12/13	Water Surface Elevation	1.55 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.55 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	33.0 ft	Easting	815325.972942	Northing	2706862.18837
Groundwater Level	4.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		45			0.2			FILL	(0-0.25') Asphalt			
1						0.1				(0.25-3.5') Dark brown to black [FILL], sand, brick, concrete, gravel (loose to medium dense)			
2						0.0	8.8						
3						0.0							
4						0.2			SP	(3.5-5') Black coarse to fine SAND, trace medium to fine gravel (loose to medium dense) (wet) Naphthalene odor observed			
5	M-2		50			0.4			PT	(5-9.5') Black to dark brown PEAT, one-inch layer of thin black roofing material/fill (loose) (wet)			
6						0.7							
7						3.0							
8						4.7	4.2						
9						0.3							
10	M-3		36			0.4			SW	(9.5-10') Dark brown to gray coarse to fine SAND, trace fine gravel (loose) No impact observed			
11						0.0				(10-15') Very coarse to fine SAND, little coarse to fine gravel (loose to medium dense) (wet) No impact observed			
12						2.1	4.1						
13						0.6							
14						0.8							
15	M-4		30			0.5	3.3		SW	(15-20') Very coarse to fine SAND, some coarse to fine gravel (medium dense) (wet) No impact observed			
16						0.0							
17						0.0							
18						0.0							
19						0.0							
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08B



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B08B
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		NR			0.0		SW	(20-25') Light brown to gray coarse to very fine SAND, little coarse to fine gravel (wet) No impact observed			
21						0.0						
22						0.0	1.3					
23						0.0						
24						0.0						
25	M-6		37			1.3		SW	(25-27.5') Light brown to gray very coarse to fine SAND, little fine gravel (loose) (wet) No impact observed			
26						2.5	33					
27						0.3						
28						0.2		GW	(27.5-30') Light brown to gray coarse to fine GRAVEL, trace silt (loose to medium dense) (wet) No impact observed			
29						0.0						
30	M-7		35			3.2	11.7	GW	(30-33') Light brown to gray very coarse to fine GRAVEL, some sand, possible bedrock 32.5-33 ft bgs (loose) (wet) No impact observed Macrocore refusal at 33 ft bgs			
31						2.2						
32						1.4						
33												
34									Bottom of Exploration 33 ft bgs			
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08BC
 Sheet 1 of 2

Date(s) Drilled and Installed	20/12/13	Water Surface Elevation	0.27 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	4.27 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	33.0 ft	Easting	815326.50949	Northing	2706810.60777
Groundwater Level	4.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		32			0.0			FILL	(0-0.25') Asphalt			
1						0.0				(0.25-5') Dark brown to black to light brown [FILL], asphalt fragments, concrete, black cinder, glass, medium to fine sand from 3 to 4 ft bgs, little medium to fine gravel and glass from 4 to 5 ft bgs (medium dense) (wet at 4 ft bgs)			
2						0.0	0.9						
3						0.0							
4						0.0							
5	M-2		42			6.1	2.0		PT	(5-9.5') Brown to reddish brown highly organic [PEAT], trace silt (moist)			
6						2.1				No impact observed			
7						1.7							
8						1.4							
9						0.3							
10	M-3		52			0.0			SP	(9.5-10') Medium to fine SAND (loose) (wet)			
11						0.0			SW	No impact observed			
12						0.0	1.4			(10-15') Brown to gray very coarse to fine SAND, trace medium to fine gravel (loose) (wet)			
13						0.0				No impact observed			
14						0.0							
15	M-4		57			0.0			SW	(15-20') Same as above, with lens of very fine gray sand from 17 to 17.5 ft bgs			
16						0.0				No impact observed			
17						0.0	0.7						
18						0.0							
19						0.0							
20						0.0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08BC



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B08BC
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		49			0.0		SW	(20-25') Brown to gray GRAVELY medium to fine SAND, some very coarse to coarse sand, some coarse to fine gravel (medium dense) (wet) No impact observed			
21					0.0							
22					0.0	0.3						
23					0.0							
24					0.0			SW	(25-28') Gray very coarse to coarse to medium to fine SAND, trace medium to fine gravel (medium dense) (wet) No impact observed			
25	M-6		39		0.0							
26					0.0							
27					0.0			GW	(28-30') Gray coarse to fine GRAVEL, some very coarse to fine sand, trace silt, trace clay (medium dense) (wet) No impact observed			
28					0.0							
29					0.1			W/GW	(30-33') Gray very coarse to fine SAND and coarse to fine GRAVEL, trace very fine sand (medium dense) (wet) No impact observed Macrocore refusal at 33 ft bgs			
30	M-7		34		0.2							
31					0.3							
32					0.1							
33									Bottom of Exploration 33 ft bgs			
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08BC



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08C
 Sheet 1 of 2

Date(s) Drilled and Installed	11/12/13	Water Surface Elevation	-2.17 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	4.67 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	31.0 ft	Easting	815327.909373	Northing	2706762.47525
Groundwater Level	2.5 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		33			0.0			FILL	(0-0.25') Asphalt			
1						0.0				(0.25-5') Black to dark brown to gray SAND, GRAVEL, glass fragments [FILL] (loose to medium dense) (moist to wet at 2.5 ft bgs)			
2						0.0	0.1						
3						0.0							
4						0.0							
5	M-2		0						--	(5-10') No recovery			
6													
7													
8													
9													
10	M-3		24			0.0			SP	(10-15') Brown very coarse to fine SAND, trace gravel (loose) (wet)			
11						0.0				No impact observed			
12						0.0	0.1						
13						0.0							
14						0.0							
15	M-4		30			0.0			SW	(15-20') Very coarse to fine SAND, some medium to fine gravel (loose to medium dense) (wet)			
16						0.0				No impact observed			
17						0.0	0.4						
18						0.0							
19						0.0							
20						0.0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08C



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B08C
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		42			0.0		SP	(20-25') Gray very coarse to fine SAND, little coarse to fine gravel (medium dense) (wet) No impact observed			
21						0.0						
22						0.0	0.2					
23						0.0						
24						0.0			(25-29') Very fine SAND (medium dense to dense) (wet) No impact observed			
25	M-6		29			0.0		SP				
26						0.0						
27						0.0			(29-30') Light gray to brownish yellow brown coarse to fine SAND (medium dense) (wet) No impact observed			
28						0.0						
29						1.2	6.8	SW	(30-31') Gray very coarse to fine SAND and coarse to fine GRAVEL (dense to very dense) (wet) No impact observed Olive green weathered bedrock at 31 ft bgs Macrocore refusal at 31 ft bgs Bottom of Exploration 31 ft bgs			
30	M-7		9			2.0	1.5	SW				
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08C



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08D
 Sheet 1 of 2

Date(s) Drilled and Installed	10/12/13	Water Surface Elevation	3.84 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.84 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	29.5 ft	Easting	815329.412758	Notes:	Location:
Groundwater Level	2.0 ft bgs	Annular Fill:	NA	Sampler Type:	Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		38			0.0		GW	(0-0.25') Asphalt			
1						0.0			(0.25-2') Dark brown coarse to fine SAND and GRAVEL (medium dense) (dry) No impact observed			
2						0.0	0.8	SP	(2-5') Brown to light brown SILTY fine to very fine SAND, trace fine gravel, trace coarse sand (loose to medium dense) (wet) No impact observed			
3						0.0						
4						0.0						
5	M-2		30			0.0		SW	(5-10') Light brown to gray coarse to fine SAND, some medium to fine gravel (medium dense) (wet) No impact observed			
6						0.0						
7						0.0						
8						0.0						
9						0.0	0.3					
10	M-3		47			25.6		PT	(10-14.5') Dark brown PEAT (medium dense) (wet) No impact observed			
11						11.9						
12						16.4	27.5					
13						52.3						
14						25.2						
15	M-4		42			1.4	0.0	SW	(14.5-15') Dark brown coarse to fine SAND, little medium to fine gravel, trace silt (wet) No impact observed			
16						1.0		SW	(15-19.5') Light brown coarse to fine SAND (medium dense to dense) (wet) No impact observed			
17						0.1						
18						0.3						
19						0.0						
20								SW	(19.5-20') Light brown GRAVELY coarse to fine SAND (medium			

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08D



Project: Former Aerovox Facility
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URS Corporation
 Log of Boring B08D
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		27			0.1	0.9	SP	dense) (wet) No impact observed (20-25') Gray very coarse to fine SAND, trace gravel, transitioning to fine gravel at 24.5 ft bgs (loose to medium dense) (wet) No impact observed			
21						0.0						
22						0.0						
23						0.0						
24						0.0						
25	M-6		25			0.6		SW	(25-29.5') Gray very coarse to fine SAND, some coarse to fine gravel, trace silt (medium dense) (wet) No impact observed Macrocore refusal at 29.5 ft bgs			
26						1.2						
27						1.4						
28						1.8						
29						2.2	2.5					
30												Bottom of Exploration 29.5 ft bgs
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
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URS Corporation
Log of Boring B08EF
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	1.33 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.33 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815332.15525	Northing	2706575.59571
Groundwater Level	4.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location: Titleist property	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: NA	
				Well Type: Borehole backfilled to surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		28							(0-1') Dark brown LOAM			
1								FILL		(1-3') Dark brown to brown fine SAND, little medium to fine gravel, trace red brick fragments and glass fragments, trace black coal-like material (moist)			
2													
3								SW		(3-4') Light brown to gray fine SAND, some coarse to fine gravel (moist to wet at 4 ft bgs)			
4	M-2		52					GM		(4-7') Light gray SILTY medium to fine SAND and coarse to fine GRAVEL (loose) (wet)	▽		
5													
6													
7								PT		(7-8') Dark brown highly organic PEAT			
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08EF



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08FG
 Sheet 1 of 1

Date(s) Drilled and Installed	28/4/14	Water Surface Elevation	1.82 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.82 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815329.1854	Northing	2706513.46021
Groundwater Level	4.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location: Titleist property	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: NA	
				Well Type: Borehole backfilled to surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction		REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)							
0	M-1		28							(0-1') Dark brown LOAM				
1									SP	(1-2') Dark brown fine SAND, trace coarse sand, trace fine gravel				
2									SW-GW	(2-4') Light brown coarse to fine SAND and GRAVEL (loose to medium dense) (moist)				
3														
4	M-2		24						SM	(4-7') Light brown SILTY medium to fine SAND, some coarse to fine gravel (wet)				
5														
6														
7									SW-GW	(7-8') Gray coarse to fine SAND and GRAVEL (medium dense) (wet)				No peat layer encountered at this location
8										Bottom of Exploration 8 ft bgs				
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08FG



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08G
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Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	6.67 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	1.5 ft	Easting	815278.815657	Northing	2706510.56585
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Hand Auger			Sampler Type: Hand Auger	
				Hammer Data: NA	
				Well Type: Sand backfill	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						1.5				(0-0.8') Dark brown SANDY LOAM			
1									ML-SP	(0.8-1.5') Gray SANDY SILT and GRAVEL Auger refusal at 1.5 ft bgs			
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08G



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08GH
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Date(s) Drilled and Installed	29/4/14	Water Surface Elevation	2.90 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.40 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	8.0 ft	Easting	815299.495507	Notes:	Location: Titleist property
Groundwater Level	3.5 ft bgs	Annular Fill:		Sampler Type:	Macrocore
Diameter of Borehole	in		NA	Hammer Data:	NA
Drilling Method	Geoprobe			Well Type:	Borehole backfilled to surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		29							(0-1') Dark brown LOAM			
1								SW-GW		(1-3') Brown to light brown coarse to fine SAND and coarse to fine GRAVEL			
2													
3								SM		(3-4') SILTY fine SAND (moist to wet at 3.5 ft bgs)	▽		
4	M-2		41					SM		(4-5') Brown to light gray SILTY medium to very fine SAND, little coarse to fine gravel (loose) (wet)			
5								PT		(5-8') Dark brown highly organic PEAT (moist)			
6													
7													
8										Bottom of Exploration 8 ft bgs			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08GH



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B08H
 Sheet 1 of 1

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Currier	Surface Elevation	6.67 ft msl	Screen	NA
Drilling Contractor	NA	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	2.0 ft	Easting	815251.515555	Northing	2706440.67751
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Hand Auger			Sampler Type: Hand Auger	
				Hammer Data: NA	
				Well Type: Sand backfill	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0						0.0				(0-2') Black industrial [FILL], brick fragments, coal, ash, gravel			
1													
2										Bottom of Exploration 2 ft bgs			
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B08H



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B09A
 Sheet 1 of 2

Date(s) Drilled and Installed	11/12/13	Water Surface Elevation	1.57 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.57 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	37.0 ft	Easting	815426.472623	Northing	2706961.73955
Groundwater Level	5.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		39			0.0			SW	(0-0.25') Asphalt			
1						0.0				(0.25-2.5') Light brown SAND, some coarse to fine gravel (medium dense to dense) No impact observed			
2						0.0	3.0						
3						0.0			SW	(2.5-2.8') Concrete slab			
4						0.0				(2.8-5') Medium to fine SAND, trace coarse to fine gravel (medium dense) No impact observed			
5	M-2		NR			0.0			SP	(5-6') Brown coarse to fine SAND (medium dense) (wet) No impact observed			
6						0.0			ML SW	(6-6.3') SILT, some medium to fine sand (soft) (wet) No impact observed			
7						0.0	0.0			(6.3-10') Brown to black coarse to fine SAND, little coarse to fine gravel (medium dense) (wet) No impact observed			
8						0.0							
9						0.0							
10	M-3		NR			0.0			SW	(10-15') Light brown coarse to very fine SAND, trace medium to fine gravel (loose to medium dense) (wet) No impact observed			
11						0.0							
12						0.0	0.3	1.1					
13						0.0							
14						0.0							
15	M-4		NR			0.0			SP	(15-17.5') Medium to fine SAND (medium dense) (wet) No impact observed			
16						0.0							
17						0.0	0.8						
18						0.0			SM	(17.5-20') Gray SILTY very fine SAND (dense) (wet) No impact observed			
19						0.0							
20						0.0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B09A



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B09A
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		55			0.9		SP	(20-22') Gray very coarse to fine SAND (loose) (wet) No impact observed			
21						0.9						
22						1.2	7.3	SW	(22-25') Gray coarse to fine GRAVEL with very coarse to fine sand, trace silt (medium dense) (wet) No impact observed			
23						0.2						
24						0.1						
25	M-6		55			0.3		SW	(25-30') Brown to brownish yellow coarse to fine SAND and GRAVEL (medium dense) (wet) No impact observed			
26						1.5						
27						1.2						
28						2.0	17.7					
29						0.8						
30	M-7		56			1.1		SW	(30-35') Gray to light brown coarse to fine SAND and GRAVEL, trace cobbles (loose to medium dense) No impact observed			
31						0.9						
32						0.5						
33						0.6						
34						1.3	13.5					
35	M-8		37			0.6		SW	(35-37') Light brown to brownish yellow coarse to fine SAND and GRAVEL (medium dense to loose) (wet) No impact observed Macrocore refusal at 37 ft bgs			
36						0.7	28.8					
37						0.5						
38										Bottom of Exploration 37 ft bgs		
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B09A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

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Log of Boring B09B
 Sheet 1 of 2

Date(s) Drilled and Installed	12/12/13	Water Surface Elevation	1.30 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.30 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	35.0 ft	Easting	815427.234322	Northing	2706862.50984
Groundwater Level	5.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		24			0.0		FILL	(0-0.25') Asphalt			
1						0.0			(0.25-5') [FILL], mortar, black cinder, glass, red brick, coarse to fine sand, coarse to fine gravel, silt (medium dense)			
2						0.0	1.1					
3						0.0						
4						0.0						
5	M-2		41			0.0		PT	(5-8') Dark brown to reddish brown [PEAT] (loose) (moist) No impact observed			
6						0.3	1.3					
7						0.0						
8						0.0		SW	(8-10') Light brown to gray coarse to fine SAND, little medium to fine gravel (medium dense) No impact observed			
9						0.0						
10	M-3		54			0.0		SW	(10-15') Light brown to gray coarse to fine SAND, trace gravel (dense) No impact observed			
11						0.0						
12						0.0	0.8					
13						0.0						
14						0.0						
15	M-4		40			0.0		SP	(15-18') Light brown medium to fine SAND (dense) (wet) No impact observed			
16						0.1						
17						0.3						
18						0.2		SW	(18-20') Light brown coarse to fine SAND, little medium to fine gravel (medium dense) (wet) No impact observed			
19						3.5	17.8					
20												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B09B



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
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URS Corporation
 Log of Boring B09B
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		NR			6.2	85		SP	(20-25') Light brown coarse to very fine SAND (loose to medium dense) (wet) No impact observed		
21						0.9						
22						1.6						
23						2.7						
24						1.5						
25	M-6		15			2.1			SW	(25-30') Brownish yellow coarse to fine SAND, little coarse to fine gravel, little silt (loose) No impact observed		
26						2.7	20.7					
27						0.7						
28						2.2						
29						1.0			SW	(30-31') Light brown coarse to fine SAND and coarse to fine GRAVEL (loose) (wet) No impact observed		
30	M-7		51			1.1			SP	(31-32') Light brown coarse to fine SAND (medium dense) (wet/saturated) No impact observed		
31						2.1	18.3		SW	(32-35') Coarse to fine SAND, some coarse to fine gravel, trace silt at 34 ft bgs (medium dense) (wet) No impact observed Macrocore refusal at 35 ft bgs		
32						0.6						
33						0.2						
34												
35										Bottom of Exploration 35 ft bgs		
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B09B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B09C
 Sheet 1 of 2

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	0.45 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	4.45 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	34.5 ft	Easting	815429.946001	Notes:	Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	4.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		34			0.0			FILL	(0-0.25') Asphalt			
1						0.0				(0.25-5') Dark brown [FILL], medium to fine sand, gravel, black cinder, glass (loose to medium dense) (moist to wet at 4 ft bgs)			
2						0.0	5.7						
3						0.0							
4						0.0							
5	M-2		28			0.0			PT	(5-10') Brown to dark brown [PEAT], one inch seam of fill material including red brick, glass, gravel, sand at 5 ft bgs (loose to medium dense) (wet)			
6						4.6							
7						1.1							
8						1.2							
9						20.3	23.2						
10	M-3		47			0.0			SW	(10-15') Light brown coarse to fine SAND, little fine gravel, trace medium gravel, two-inch seam of light brown very fine sand and silt at 13 ft bgs (loose) (wet) No impact observed			
11						0.0							
12						0.0	0.0						
13						0.0							
14						0.0							
15	M-4		58			0.5			SW	(15-20') Dark brown to light brown coarse to fine SAND, little coarse to fine gravel, trace silt (loose to medium dense) (wet) No impact observed			
16						0.0							
17						0.1							
18						2.3							
19						4.0	43.5						
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B09C



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B09C
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		56			2.9		SW	(20-24') Light brown very coarse to fine SAND, little medium to fine gravel (loose) (wet) No impact observed			
21						20.8						
22						18.2						
23						25.5	31.4		(24-25') Light brown medium to very fine SAND, trace coarse to fine gravel, trace silt (loose) (wet) No impact observed			
24						17.6		SW				
25	M-6		38			1.3		SW	(25-30') Light brown to gray coarse to fine SAND, some coarse to fine gravel, trace silt, trace cobbles (medium dense) (wet) No impact observed			
26						2.8	17.2					
27						1.8						
28						2.4			(30-34.5') Gray to light brown coarse to fine SAND, some coarse to fine gravel, trace cobbles (loose to medium dense) (wet) No impact observed Macrocore refusal at 34.5 ft bgs			
29						2.3						
30	M-7		35			8.7	31.1	SW				
31						2.2			Bottom of Exploration 34.5 ft bgs			
32						1.0						
33						2.5						
34						2.2			Bottom of Exploration 34.5 ft bgs			
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B09C



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B09D
 Sheet 1 of 2

Date(s) Drilled and Installed	13/12/13	Water Surface Elevation	2.03 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.03 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	38.0 ft	Easting	815429.346889	Northing	2706664.10449
Groundwater Level	3.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in	Notes: Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface			
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		38			0.0			FILL	(0-0.25') Asphalt			
1						0.0			FILL	(0.25-5') Dark brown [FILL], medium to fine sand, black cinder, trace medium to fine gravel, trace silt (medium dense) (moist to wet at 3 ft bgs)			
2						0.0	2.0		FILL				
3						0.0			FILL				
4						0.0			FILL				
5	M-2		45			0.0			FILL	(5-6') Dark brown [FILL], black cinder, red brick, coarse to fine sand (medium dense) (wet)			
6						0.0			SW	(6-7.5') Light brown to brown coarse to fine SAND, little medium to fine gravel (loose) (wet)			
7						0.3			SW	No impact observed			
8						0.6			FILL	(7.5-8') Dark gray [FILL], concrete fragments (loose) (wet)			
9						0.6			PT	(8-10') Brown [PEAT] (medium dense to dense) (wet)			
10	M-3		49			1.9			SW	(10-11.5') Dark gray coarse to fine SAND, some medium to fine gravel (medium dense) (wet)			
11						8.5			SW	No impact observed			
12						32.2			PT	(11.5-14') Brown [PEAT] (dense) (wet)			
13						43.3	27.8		PT	No impact observed			
14						9.5			SW	(14-15') Brown to gray coarse to fine SAND, little coarse to fine gravel (medium dense) (wet)			
15	M-4		57			0.9	2.0		SP	No impact observed			
16						0.7			SP	(15-20') Light brown to gray medium to fine SAND, transitioning to fine to very fine SAND, trace coarse sand, trace coarse gravel (loose) (wet)			
17						0.0			SP	No impact observed			
18						0.1			SP				
19						0.1			SP				
20									SP				

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B09D



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B09D
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		56			0.0		SP	(20-25') Light brown medium to fine SAND (medium dense) (wet) No impact observed			
21						0.0						
22						0.1	2.5					
23						0.0						
24						0.0						
25	M-6		NR			0.0		SP	(25-30') Light gray fine to very fine SAND (loose) (wet) No impact observed			
26						0.3						
27						0.4	2.8					
28						0.2						
29						0.0						
30	M-7		44			0.1		SW	(30-35') Gray to light brown coarse to fine SAND, little coarse to fine gravel (loose) (wet) No impact observed			
31						0.6						
32						1.1	3.7					
33						0.7						
34						0.7						
35	M-8		37			1.5		SP	(35-38') Light gray coarse to fine SAND, trace fine gravel, trace reddish brown medium to fine sand and olive rock fragments at 38 ft bgs (loose to medium dense) (wet) No impact observed Macrocore refusal at 38 ft bgs			
36						3.6	23.5					
37						0.5						
38										Bottom of Exploration 38 ft bgs		
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B09D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B10A
 Sheet 1 of 2

Date(s) Drilled and Installed	16/12/13	Water Surface Elevation	-1.40 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.60 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	28.0 ft	Easting	815519.495424	Notes:	Location:
Groundwater Level	8.0 ft bgs	Annular Fill:	NA	Sampler Type:	Macrocore
Diameter of Borehole	in			Hammer Data:	Direct Push
Drilling Method	Geoprobe			Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		16			0.0		FILL	(0-0.25') Asphalt			
1						0.0			(0.25-5') Light brown to black [FILL], coarse to fine sand, gravel, black cinder, glass (medium dense) (dry)			
2						0.0	0.7					
3						0.0						
4						0.0						
5	M-2		48			0.0		PT	(5-8') Reddish brown highly organic [PEAT], trace silt (loose to medium dense) (moist)			
6						0.5	0.3		No impact observed			
7						0.0						
8						0.0		SW	(8-10') Brown to gray coarse to fine SAND, some medium to fine gravel (loose) (wet)			
9						0.0			No impact observed			
10	M-3		58			0.0		SP	(10-12') Brown becoming light gray coarse to fine SAND, trace coarse to fine gravel (loose) (wet)			
11						0.0			No impact observed			
12						0.0	0.1	SM	(12-15') Brown becoming light gray very fine SAND and SILT (loose) (wet)			
13						0.0			Slight naphthalene odor			
14						0.0						
15	M-4		53			0.0		SW	(15-19') Coarse to fine SAND and GRAVEL (loose to medium dense) (wet)			
16						6.8			Dark brown to black NAPL-like color observed			
17						4.1						
18						7.9	70.3					
19						6.7		SM	(19-20') Light gray very fine SAND and SILT (wet)			
20									No impact observed			

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B10A



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring B10A
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		40			6.2		SW	(20-25') Light gray medium to fine SAND, trace fine gravel, trace coarse sand (loose) (wet) No impact observed			
21						3.2						
22						16.1	80					
23						4.0						
24						3.9		SW	(25-27') Gray very coarse to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed			
25	M-6		36			1.3						
26						0.2						
27						0.3		SM	(27-28') Gray SILTY fine to very fine SAND, some gravel (loose to medium dense) (wet) No impact observed			
28									Macrocore refusal at 28 ft bgs			
29									Bottom of Exploration 28 ft bgs			
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B10A



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B10B
 Sheet 1 of 2

Date(s) Drilled and Installed	16/12/13	Water Surface Elevation	2.06 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.06 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	33.0 ft	Easting	815515.205793	Notes:	Location: Sampler Type: Macrocore Hammer Data: Direct Push Well Type: Grout, cold patch asphalt at surface
Groundwater Level	4.0 ft bgs	Annular Fill:	NA		
Diameter of Borehole	in				
Drilling Method	Geoprobe				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		32			0.2	16.1		FILL	(0-0.25') Asphalt			
1						0.0				(0.25-5') Brown to black to gray [FILL], coarse to fine sand, gravel, black cinder, red brick, concrete (medium dense) (moist to wet at 4 ft bgs)			
2						0.1							
3						0.0							
4						0.0							
5	M-2		42			1.0			PT	(5-9') Brown to reddish brown highly organic [PEAT], trace silt (moist)			
6						2.0	11.0						
7						1.8							
8						1.6							
9						0.0			SW	(9-10') Brown coarse to fine SAND and GRAVEL (medium dense) (wet)			
10	M-3		58			0.0			SW	(10-12') Brown to gray very coarse to fine SAND, intervals of finer sand, little to trace medium to fine gravel (loose) (wet) No impact observed			
11						0.0							
12						0.0	4.1		SP	(12-15') Light gray very fine SAND (loose) (wet) No impact observed			
13						0.0							
14						0.0							
15	M-4		50			0.0			SP	(15-20') Light gray fine to very fine SAND (loose) (wet) No impact observed			
16						0.0							
17						0.0	0.2						
18						0.0							
19						0.0							
20						0.0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B10B



Project: Former Aerovox Facility
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URS Corporation
 Log of Boring B10B
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		58			0.0		SM	(20-25') Light gray to gray very fine SAND and SILT, trace reddish brown very fine sand at 25 ft bgs (loose to soft) (wet) No impact observed			
21						0.0						
22						0.0	0.2					
23						0.0						
24						0.0						
25	M-6		56			16.6	208.8	SP	(25-29.5') Reddish brown coarse to fine SAND, some fine gravel (loose) (wet) No impact observed			
26						8.2						
27						5.6						
28						3.1						
29						2.0			(29.5-30') Gray medium to fine SAND and GRAVEL, trace cobble (wet) No impact observed			
30	M-7		32			1.8		SW				
31						2.1		SW				
32						1.5		SP				
33						1.3		SW				
34						2.1			(30-31') Light brown coarse to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed	(31-32') Light brown fine SAND (loose to medium dense) (wet) No impact observed		
35												
36												
37												
38												
39									(32-33') Light brown coarse to fine SAND and GRAVEL, trace silt (loose to medium dense) (wet) No impact observed			
40												
41									Macrocore refusal at 25 ft bgs	Bottom of Exploration 33 ft bgs		
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B10B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring B10C
 Sheet 1 of 2

Date(s) Drilled and Installed	16/12/13	Water Surface Elevation	1.27 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.27 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	25.0 ft	Easting	815514.440161	Northing	2706765.13562
Groundwater Level	4.0 ft bgs	Annular Fill:		Notes:	
Diameter of Borehole	in	NA		Location:	
Drilling Method	Geoprobe			Sampler Type: Macrocore	
				Hammer Data: Direct Push	
				Well Type: Grout, cold patch asphalt at surface	

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		44			0.0		SW	(0-0.25') Asphalt			
1						0.0			(0.25-5') Brown to light brown medium to fine SAND, some coarse to medium to fine SAND, some coarse to medium to fine gravel, little to trace silt at 4 ft bgs (medium dense) (moist to wet at 4 ft bgs)			
2						0.0	1.7					
3						0.0						
4						0.0						
5	M-2		26			0.0		SW	(5-9.5') Dark brown to black medium to fine SAND and GRAVEL (loose to medium dense) (wet)			
6						0.0						
7						0.0	0.4					
8						0.0						
9						0.0						
10	M-3		47			12.5		PT	(9.5-10') Highly organic [PEAT] (wet)			
11						46.6	6.1	PT	(10-13') Brown highly organic [PEAT], trace silt (moist) Organic/peat odor			
12						2.1						
13						0.0		SP	(13-15') Fine to very fine SAND, trace coarse sand (loose) (wet)			
14						0.0						
15	M-4		58			0.0		SP	(15-17') Light brown to gray fine to very fine SAND, little to trace coarse to medium sand (loose) (wet)			
16						0.0						
17						0.0	0.1	SM	(17-20') Light gray SILTY very fine SAND (loose) (wet) No impact observed			
18						0.0						
19						0.0						
20												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B10C



Project: Former Aerovox Facility
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URS Corporation
 Log of Boring B10C
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Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-5		36			0.1	0.1		SM	(20-24') Light gray SILTY very fine SAND (loose to medium dense) (wet)			
21						0.0							
22						0.0							
23						0.0							
24						0.0			SW	(24-25') Brownish yellow to reddish brown coarse to fine SAND and GRAVEL, rock fragments (medium dense to dense) (wet)			
25										No impact observed Macrocore refusal at 25 ft bgs			
26										Bottom of Exploration 25 ft bgs			
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B10C



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
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URS Corporation
Log of Boring B15
 Sheet 1 of 2

Date(s) Drilled and Installed	20/2/14	Water Surface Elevation	NA	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	6.02 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	28.0 ft	Easting	815594.203092	Northing	2706994.48411
Groundwater Level	NE	Annular Fill:		Notes:	
Diameter of Borehole	8.5 in	NA		Location: Eastern area of Aerovox property near Acushnet River	
Drilling Method	5" an 4" Casing, Roller Bit (Drive & Wash)			Sampler Type: 2-ft Split Spoon	
				Hammer Data: Autohammer	
				Well Type: Borehole abandoned, grouted to surface	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0											(0-20') Five-inch casing 9.5 ft bgs, 4-inch telescoping casing and washout to 20 ft bgs to begin split spoon sampling		
1											Asphalt at surface		
2											Industrial and urban fill material present to 9 ft bgs		
3											Sheen and black discoloration noted in washwater 0-9.5 ft bgs		
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													5" casing seated into peat unit at 9.5 ft bgs

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B15



Project: Former Aerovox Facility
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URS Corporation
 Log of Boring B15
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS	
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	S-1		12	4-2-5-3		1.4	26.5	[Graphic Log: Sand with gravel]	SW	(20-22') Brownish yellow coarse to fine SAND and GRAVEL, some medium to fine sand lenses 20.5 to 21 ft bgs (loose) (wet) No impact observed			
21						1.0							
22	S-2		18	3-4-3-3		0.4				SW	(22-24') Brownish yellow medium to fine SAND, little coarse sand, little medium to fine gravel (loose) (wet) No impact observed		
23						2.5	35						
24	S-3		8	2-1-1-1		2.0		[Graphic Log: Silty sand]	SW-GW	(24-26') Gray coarse to fine SAND and GRAVEL (loose) (wet) No impact observed			
25						2.0							
26	S-4		17	2-2-3-6		2.4	7.3						
27						1.6			SW	(26-28') Light gray coarse to fine SAND and GRAVEL, becoming silty very fine sand with little to trace medium to fine sand and medium to fine gravel with depth (wet) (loose) No impact observed Split spoon refusal at 28 ft bgs			
28						1.2	10.2						
29						1.4							
30						0.6							
31						0.3							
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 B15



Project: Former Aerovox Facility
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URS Corporation
Log of Boring MIP03
 Sheet 1 of 1

Date(s) Drilled and Installed	Water Surface Elevation 2.74 ft msl	Well Casing or Riser NA
Logged By (URS) J. Harshman	Surface Elevation 6.74 ft msl	Screen NA
Drilling Contractor Geosearch	Datum Massachusetts State Plane Coordinate System (NAD 83)	Checked By
Total Depth of Borehole 15.0 ft	Easting 815023.803013 Northing 2707027.55116	Notes:
Groundwater Level 4.0 ft bgs	Annular Fill: NA	Location:
Diameter of Borehole in		Sampler Type: Macrocore
Drilling Method Geoprobe		Hammer Data: Direct Push
Well Type: Grout, cold patch asphalt at surface		

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		24			0.0			SW	(0-0.25') Asphalt			
1						0.0				(0.25-5') Light brown to brownish yellow fine SAND, trace medium to fine gravel, trace silt at 4 ft bgs, trace coarse sand 4 to 5 ft bgs (loose) (wet at 4 ft bgs)			
2						0.0	1.8			No impact observed			
3						0.0							
4						0.0							
5	M-2		50			0.0			SW	(5-7') Light brown medium to fine SAND, some to little medium to fine gravel, little to trace coarse sand (loose to medium dense) (wet)			
6						0.0				No impact observed			
7						0.0	1.7		SW	(7-10') Light brown coarse to fine SAND, some to little medium to fine gravel, little to trace silt at 8 ft bgs (loose to medium dense) (wet)			
8						0.0				No impact observed			
9						0.0							
10	M-3		51			0.0			SP	(10-14') Light brown medium to fine SAND, trace coarse to fine gravel, trace fine gravel (loose to medium dense) (wet)			
11						0.0				No impact observed			
12						0.0	0.2						
13						0.0							
14						0.0			SW	(14-15') Light gray fine SAND, some coarse to fine gravel, trace silt (medium dense to dense) (wet)			
15										No impact observed Macrocore refusal at 15 ft bgs			
16										Bottom of Exploration 15 ft bgs			
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MIP03



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URS Corporation
Log of Boring MIP11
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Date(s) Drilled and Installed	Water Surface Elevation 2.01 ft msl	Well Casing or Riser NA
Logged By (URS) J. Harshman	Surface Elevation 6.01 ft msl	Screen NA
Drilling Contractor Geosearch	Datum Massachusetts State Plane Coordinate System (NAD 83)	Checked By
Total Depth of Borehole 30.0 ft	Easting 815424.000421 Northing 2707021.80624	Notes:
Groundwater Level 4.0 ft bgs	Annular Fill: NA	Location:
Diameter of Borehole in		Sampler Type: Macrocore
Drilling Method Geoprobe		Hammer Data: Direct Push
		Well Type: Grout, cold patch asphalt at surface

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		35			0.0		SW	(0-0.25') Asphalt			
1						0.0			(0.25-4') Light brown medium to very fine SAND, some medium to fine gravel, trace coarse sand, trace silt (medium dense to loose) (wet at 4 ft bgs)			
2						0.0	4.7		No impact observed			
3						0.0						
4						0.0		SP	(4-5') Reddish brown coarse to fine SAND, trace fine gravel (loose) (wet)			
5	M-2		47			0.0		SW	No impact observed			
6						0.0		SP	(5-6') Reddish brown coarse to fine SAND, some coarse to fine gravel (loose) (wet)			
7						0.0	0.2		No impact observed			
8						0.0			(6-10') Light brown very fine SAND (loose to medium dense) (wet)			
9						0.0			No impact observed			
10	M-3		46			0.0		SP	(10-15') Light brown very fine SAND, some to little coarse to fine sand 13 to 14 ft bgs (loose to medium dense) (wet)			
11						0.0			No impact observed			
12						0.0	0.1					
13						0.0						
14						0.0						
15	M-4		54			0.0		SP	(15-20') Light brown to light gray fine to very fine SAND (loose to medium dense) (wet)			
16						0.0			No impact observed			
17						0.0	1.5					
18						0.0						
19						0.0						
20						0.0						

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MIP11



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Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-5		48			0.0			SP	(20-25') Light gray to brownish yellow SILTY very fine SAND, trace coarse sand at 24 ft bgs (loose) (wet) No impact observed			
21						0.0							
22						0.0							
23						2.0							
24						72.1	468.2						
25	M-6		38			20.1			SW	(25-30') Brownish yellow to light gray very coarse to fine SAND, with fine to coarse gravel (medium dense to very dense) (wet) No impact observed Macrocore refusal at 30 ft bgs			
26						42.9							
27						172.6	1022						
28						6.7							
29						3.9							
30													
31										Bottom of Exploration 30 ft bgs			
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

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Log of Boring MIP15
 Sheet 1 of 2

Date(s) Drilled and Installed	19/12/13	Water Surface Elevation	5.31 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	5.57 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	30.0 ft	Easting	815601.142488	Notes:	
Groundwater Level	0.25 ft bgs	Northing	2707005.85762	Location:	
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Macrocore
Drilling Method	Geoprobe			Hammer Data:	Direct Push
				Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	M-1		29			0.0		FILL	(0-0.25') Asphalt			
1						0.0		FILL	(0.25-5') Dark brown [FILL], medium to fine sand, gravel, black cinder, red brick, trace peat (medium dense) (wet) No impact observed			
2						0.0	1.5	FILL				
3						0.0		FILL				
4						0.0		FILL				
5	M-2		47			0.0		FILL	(5-6') [FILL], medium to fine sand, red brick, rubber (wet)			
6						0.0		FILL	(6-9') Black to dark gray [FILL], very fine silty material, trace peat, interval of black cinderlike material with yellow paint chips and petroleum-like odor 7 to 8 ft bgs, silty very fine sand lens and trace fine to coarse sand at 8.5 ft bgs (very soft to loose) (wet) Slight petroleum odor 7 to 8 ft bgs			
7						0.0		FILL				
8						0.0	6.2	FILL				
9						0.0		PT	(9-10') Brown highly organic PEAT (moist) No impact observed			
10	M-3		38			0.0		SW	(10-15') Brown becoming gray with depth, coarse to fine SAND and GRAVEL (loose to medium dense) (wet) No impact observed			
11						0.0		SW				
12						0.0		SW				
13						0.0	2.7	SW				
14						0.0		SW				
15	M-4		32			0.0		SW	(15-20') Gray coarse to fine SAND and medium to fine GRAVEL, trace very fine sand (loose to medium dense) (wet) No impact observed			
16						1.2		SW				
17						5.4		SW				
18						8.8	62.3	SW				
19						5.8		SW				
20								SW				

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MIP15



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 Log of Boring MIP15
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS	
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
20	M-5		52			33.4			SW	(20-23') Gray coarse to fine SAND and GRAVEL (medium dense) (wet) Possible NAPL, PID reading over meter range (>15,000 ppm)			
21						29.4							
22						28.5							
23						1	>15		SW	(23-25') Gray with brown staining medium to fine SAND and GRAVEL (medium dense) (wet) Strong odor, NAPL staining, NAPL saturated at 24 ft bgs			
24						704	000						
25	M-6		36			142.7	6		SW	(25-29') Brown to gray with NAPL staining, coarse to fine SAND and GRAVEL (wet) Oily, thin and oily light brown NAPL staining throughout sample, staining on acetate sample liner, blebs present where water saturated, strong odor			
26						98.6	059						
27						95.5							
28						16.9							
29						8.3			GP	(29-30') GRAVEL, oily (wet) Oily sample, product present Macrocore refusal at 30 ft bgs			
30											Bottom of Exploration 30 ft bgs		
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MIP15



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MIP23
 Sheet 1 of 2

Date(s) Drilled and Installed	20/12/13	Water Surface Elevation	1.61 ft msl	Well Casing or Riser	NA
Logged By (URS)	J. Harshman	Surface Elevation	4.61 ft msl	Screen	NA
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	
Total Depth of Borehole	28.0 ft	Easting	815566.639327	Notes:	
Groundwater Level	3.0 ft bgs	Northing	2706807.78196	Location:	
Diameter of Borehole	in	Annular Fill:	NA	Sampler Type:	Macrocore
Drilling Method	Geoprobe			Hammer Data:	Direct Push
				Well Type:	Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		30			0.0			FILL	(0-0.25') Asphalt			
1						0.0				(0.25-5') Brown with black from 4 to 5 ft bgs, industrial [FILL], medium to fine sand and gravel, oily black cinder 4 to 5 ft bgs, red brick (wet at 3 ft bgs)			
2						4.0				Oily appearance, machine oil/cutting oil odor 4 to 5 ft bgs			
3						1.2							
4						15.0	132.8						
5	M-2		36			1.2	14.1		FILL	(5-6') [FILL], red brick, silty fine sand (loose) (wet) NAPL present. Light brown machine oil, oily blebs throughout, acetate liner stained with oil, machine oil odor			
6						0.0			PT	(6-7') Brown highly organic PEAT, trace silt (moist)			
7						0.0			SP	(7-8') Gray SILTY very fine SAND (loose to soft) (wet) No impact observed			
8						0.3			PT	(8-10') PEAT, little fine gravel, little silt (moist) No impact observed			
9						0.3							
10	M-2		50			0.0			SW	(10-13') Brown to gray coarse to fine SAND, little medium to fine gravel (loose) (wet) No impact observed			
11						0.0							
12						0.0	3.5						
13						0.0			SP	(13-15') Gray to light gray SILTY very fine SAND (loose) (wet) No impact observed			
14						0.0							
15	M-4		58			0.0			SP	(15-20') Light gray, trace reddish brown at 20 ft bgs, SILTY very fine SAND (loose) (wet) No impact observed			
16						0.0							
17						0.0	0.0						
18						0.0							
19						0.0							
20						0.0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MIP23



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring MIP23
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	M-5		52			12.7	19.7		SW	(20-23') Reddish brown very coarse to fine SAND, trace fine gravel (medium dense) (wet) No impact observed		
21						4.0						
22						11.8						
23						3.4			GW	(23-25') Coarse to fine GRAVEL, little to trace coarse to fine sand (loose to medium dense) (wet) No impact observed		
24						2.4						
25	M-6		30			7.6			SW	(25-27.5') Light brown very coarse to fine SAND, with intervals of medium to fine gravel (loose to medium dense) (wet) No impact observed		
26						3.4	51.3					
27						1.8						
28										(27.5-28') Light brown medium to fine SAND and GRAVEL [GLACIAL TILL], olive weathered bedrock fragments at 28 ft bgs (very dense) (wet) No impact observed Macrocore refusal at 28 ft bgs Bottom of Exploration 28 ft bgs		
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MIP23



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MIP43
 Sheet 1 of 1

Date(s) Drilled and Installed	Water Surface Elevation 2.31 ft msl	Well Casing or Riser NA
Logged By (URS) J. Harshman	Surface Elevation 6.31 ft msl	Screen NA
Drilling Contractor Geosearch	Datum Massachusetts State Plane Coordinate System (NAD 83)	Checked By
Total Depth of Borehole 20.0 ft	Easting 815483.251552 Northing 2707059.91302	Notes:
Groundwater Level 4.0 ft bgs	Annular Fill: NA	Location:
Diameter of Borehole in		Sampler Type: Macrocore
Drilling Method Geoprobe		Hammer Data: Direct Push
		Well Type: Grout, cold patch asphalt at surface

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	M-1		28			0.1			FILL	(0-0.25') Asphalt			
						0.0				(0.25-5') Brown to black [FILL], medium to fine sand and gravel, trace black cinder, trace concrete (medium dense) (wet at 4 ft bgs)			
						0.3							
						1.1							
						0.2	26.7						
5	M-2		44			0.0			SW	(5-8') Brown to gray medium to fine SAND, little coarse sand, little medium to fine gravel (loose) (wet)			
						0.0				No impact observed			
						0.0							
						0.1	1.3		SP	(8-10') Light brown SILTY very fine SAND (loose) (wet)			
						0.1				No impact observed			
10	M-3		58			0.0			SP	(10-14') Light brown to light gray SILTY very fine SAND, 2-inch lens of black fine sand at 13 ft bgs (medium dense) (wet)			
						0.0				No impact observed			
						0.4							
						0.2							
						0.8	4.8		SW	(14-15') Coarse to fine SAND and GRAVEL (medium dense) (wet)			
15	M-4		48			0.1			SP	(15-18') Light brown to light gray medium to fine SAND, little to trace coarse sand (loose) (wet)			
						0.3				No impact observed			
						0.3							
						0.1			SP	(18-20') Light brown coarse to fine SAND and medium to fine GRAVEL (medium dense) (wet)			
						0.1				No impact observed			
20										Macrocore refusal at 20 ft bgs			
										Bottom of Exploration 20 ft bgs			

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MIP43



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-02B
 Sheet 1 of 2

Date(s) Drilled and Installed	11/2/14 - 20/2/14	Water Surface Elevation	-2.60 ft msl	Well Casing or Riser	4-in steel casing 0-35 ft bgs; 2-in sched. 40 PVC riser 0-35.7 ft bgs
Logged By (URS)	J. Currier	Surface Elevation	4.90 ft msl	Screen	2-in Sched. 40 PVC screen 35.7-45.7 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	46.0 ft	Easting	815563.75776	Notes:	See log of boring B-02B for additional material description Location: Eastern area of Aerovox property near Acushnet River
Groundwater Level	7.5 ft bgs	Annular Fill:		Sampler Type:	2-ft Split Spoon
Diameter of Borehole	8.5 in		Grout backfill 1-31.7 ft bgs Bentonite chip seal 31.7-33.7 ft bgs #2 Filter sand 33.7-45.7 ft bgs	Hammer Data:	Autohammer
Drilling Method	Drive & Wash/6", 5", 4" Casing			Well Type:	Flush-mount well installed

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	S-1		10	9-5-7-8		3.2		SP	(0-0.2') Asphalt at surface		Cemented flushmount road box 0 to 1 ft bgs	
1							FILL	(0.2-0.9') Light brown SAND, trace gravel (dry to moist) (medium dense)				
2	S-2		12	16-17-14-16		3.1	FILL	(0.9-2') [FILL], layer of wood fragments followed by layer of brick fragments (dry to moist) (medium dense)				
3								(2-7.5') [FILL], black gravel and brick fragments mixed with asphalt fragments (medium dense 2-5 ft bgs, loose to very loose 5-7.5 ft bgs)				
4	S-3		4	12-5-1-1		91.2					Portland cement grout backfill 1 to 31.7 ft bgs	
5												
6	S-4		6	WOH/18"-5		12.8					6" casing to 8 ft bgs	
7												
8	S-5		8	5-2-1-1		15.2	PT	(7.5-8') Black fibrous organic PEAT (wet) (soft)			Telescoping 5" casing to 32 ft bgs	
9				WOH			GP	(8-8.5') Coarse angular GRAVEL (medium dense)				
10	S-6		10	2-2-3-2		9.6	SP	(8.5-12') Gray fine SAND, trace gravel (wet) (loose)				
11												
12	S-7		0	5-7-11-2		NA	--	(12-16') No recovery		Permanent 4" steel casing 0-35 ft bgs grouted into bedrock		
13												
14	S-8		0	3-3-4-7		NA						
15												
16	S-9		20	6-6-5-7		3.3	SM	(16-18') Light gray fine SAND and non-plastic SILT, silt content increasing with depth (wet) (medium dense)				
17												
18	S-10		9	5-5-6-6		2.9	SM	(18-20') Light gray SANDY non-plastic SILT (wet) (medium dense)				
19												
20												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-02B



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring MW-02B
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	S-11		16	9-13		4.8		SM	(20-21.25') Light gray SANDY non-plastic SILT (wet) (medium dense)	<p>Bentonite chip seal 31.7 to 33.7 ft bgs</p> <p>#2 Filter sand from 33.7 to 45.7 ft bgs</p> <p>2-inch Schedule 40 PVC screen 35.7 to 45.7 ft bgs</p>		
21				13-14				SM	(21.25-21.6') Brown fine SAND and SILT (dense) (wet)			
22	S-12		3	15-18		3.7		SP	(21.6-22') Gray coarse SAND and GRAVEL (wet) (medium dense to dense)			
23				18-20				SP	(22-24') Gray medium to coarse SAND and weathered rock fragments (dense)			
24	S-13		6	20-16		75.6		SP	(24-26') Light brown coarse SAND and rounded to angular GRAVEL (wet) (dense)			
25				16-20								
26	S-14		16	28-17		50.1		SP	(26-28') Brown to light brown coarse SAND and rounded to angular GRAVEL (wet) (dense)			
27				15-9								
28	S-15		0	10-12		NA		--	(28-30') No recovery			
29				12-10								
30	S-16		16	6-7		34		SP	(30-32') Light brown medium to coarse SAND and GRAVEL, oxidized lenses of reddish brown sand, large rock fragments at bottom of spoon			
31				8-50/5"					Split spoon refusal at 32 ft bgs on rock			
32								BR	(32-36') Roller bit to 36 ft bgs for rock core sampling			
33												
34												
35												
36	R-1		10					BR	(36-41') [BEDROCK]			
37	R-2		23									
38												
39	R-3		21.5									
40												
41	R-4		14					BR	(41-46') [BEDROCK]			
42	R-5		48									
43												
44												
45												
46									Bottom of Exploration 46.0 ft bgs			

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-02B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-04S
 Sheet 1 of 1

Date(s) Drilled and Installed	6/2/14	Water Surface Elevation	2.49 ft msl	Well Casing or Riser	2-in sched. 40 PVC riser 0-3 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	7.49 ft msl	Screen	2-in Sched. 40 PVC screen 3-13 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	13.0 ft	Easting	815064.48998	Notes:	Location: Precip property east of MW-101B Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	5.0 ft bgs	Annular Fill:			
Diameter of Borehole	8.5 in		Bentonite chip seal 1-2 ft bgs		
Drilling Method	HSA		#2 Filter sand 2-13 ft bgs		

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-5') Vacuum excavation utility pre-clearance completed to 5 ft bgs to begin split spoon sampling		Cemented flushmount road box 0 to 1 ft bgs Bentonite chip seal 1 to 2 ft bgs	
5	S-1		7	1-1-1-1		0.0	0.1		SM	(5-7') Dark brown SILTY very fine SAND, trace coarse gravel (wet) (loose)		#2 Filter sand 2 to 13 ft bgs	
7	S-2		12	1-1-1-1		0.0	0.0		SM	(7-9') Brown SILTY very fine SAND, trace medium to coarse sand (wet) (loose)			
9	S-3		16	1-1-1-1		0.0	0.0	2.5	SP	(9-11') Very fine brown SAND (wet) (loose)			
11	S-4		22	1-1-1-1		0.0	0.0	45	SP	(11-13') Brown to light brown very fine SAND, trace coarse sand, trace fine gravel (wet) (loose)			
13										Bottom of Exploration 13.0 ft bgs			
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-04S



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-06B
 Sheet 1 of 3

Date(s) Drilled and Installed	4/2/14	Water Surface Elevation	NA	Well Casing or Riser	4-in steel casing 0-46.5 ft bgs; 2-in sched. 40 PVC riser 0-46.5 ft bgs
Logged By (URS)	J. Currier	Surface Elevation	6.38 ft msl	Screen	2-in Sched. 40 PVC screen 46.5-56.5 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	56.5 ft	Easting	815321.604262	Notes:	See log of boring B-06B for material description from 0-23 ft bgs
Groundwater Level	NE	Northing	2707023.35261	Location:	Northeastern area of property adjacent to GZ-102 cluster
Diameter of Borehole	8.5 in	Annular Fill:		Sampler Type:	2-ft Split Spoon
Drilling Method	Drive & Wash/5", 4" Casing/HQ Core	Portland cement grout backfill 1-43 ft bgs		Hammer Data:	Autohammer
		Bentonite chip seal 43-45 ft bgs		Well Type:	Flush-mount well installed
		#2 Filter sand 45-56.5 ft bgs			

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-19') Asphalt at surface			
1										5-inch casing and roller bit advanced to 19 ft bgs to begin split spoon sampling			
2													
3													
4												Portland cement grout backfill 0 to 43 ft bgs	
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19	S-1	X	0	1-2-		NA			-	(19-23') No recovery		Permanent 4" steel casing 0-46.5 ft bgs grouted into bedrock	
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-06B



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 Log of Boring MW-06B
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20				2-2								
21	S-2		0	2-3-4-4		NA						
22												
23	S-3		12	6-3-2-2		1.2		SP	(23-25') Light brown fine SAND, trace silt, trace angular gravel, 2-inch seam of reddish brown material at 25 ft bgs (wet) (loose)			
24												
25	S-4		12	3-3-3-3		1.1		SP	(25-29') Fine to medium SAND, trace silt, little angular gravel (wet) (loose)			
26												
27	S-5			3-2-2-3		3.0						
28												
29	S-6		14	2-2-2-2		3.5		SP	(29-31') Light brown fine to medium SAND, some gravel, trace silt (wet) (loose)			
30												
31	S-7		10	3-2-3-4		1.2		SP	(31-33') Light brown coarse SAND and GRAVEL (wet) (loose)			
32												
33	S-8		10	8-10-6-8		1.6		SP	(33-37") Brown medium and coarse SAND and GRAVEL, trace silt (wet) (loose)			
34												
35	S-9		8	5-5-6-6		0.5						
36												
37	S-10		4	13-18-20-37		1.6		GP	(37-41') Coarse to medium GRAVEL, no fine material (wet)			
38												
39	S-11		3	10-10-10-14		1.2						
40												
41	S-12		19	8-38-19-30		7.1		SP	(41-45") Brown to light brown fine to medium poorly graded SAND some gravel trace silt (wet) (loose)			
42												
43	S-13		14	21-46-45-38		2.7						
44												Bentonite chip seal 43 to 45 ft bgs
45	S-14			50/5"		1.0		BR	(45-47') Split spoon refusal, no recovery Roller bit 45 to 47 ft bgs to begin rock core sampling			
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-06B



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URS Corporation
 Log of Boring MW-06B
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
47	R-1		36					BR	(47-51.5') [BEDROCK], highly fractured, 2 sections greater than 4", oxidized fracture in top foot of core		#2 Filter sand from 45 to 56.5 ft bgs 2-inch Schedule 40 PVC screen 46.5 to 56.5 ft bgs	
48												
49												
50								BR	(51.5-54') [BEDROCK], highly fractured, 2 sections greater than 4"			
51												
52	R-2		30									
53								BR	(54-56.5') [BEDROCK], 5 sections greater than 4", vertical to near vertical fractures in rock that appear oxidized			
54	R-3		24									
55												
56									Bottom of Exploration 56.5 ft bgs			
57												
58												
59												
60												
61												
62												
63												
64												
65												
66												
67												
68												
69												
70												
71												
72												
73												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-06B



Project: Former Aerovox Facility
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Log of Boring MW-07B
 Sheet 1 of 2

Date(s) Drilled and Installed	18/2/14 - 19/2/14	Water Surface Elevation	-4.00 ft msl	Well Casing or Riser	4-in steel casing 0-35 ft bgs; 2-in sched. 40 PVC riser 0-35.5 ft bgs
Logged By (URS)	J. Currier	Surface Elevation	6.00 ft msl	Screen	2-in Sched. 40 PVC screen 35.5-45.5 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	45.5 ft	Easting	815589.368253	Notes:	Location: Eastern area of Aerovox property near Acushnet River Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	10.0 ft bgs	Annular Fill:			
Diameter of Borehole	8.5 in		Grout backfill 1-30 ft bgs Bentonite chip seal 30-32 ft bgs #2 Filter sand 32-45.5 ft bgs		
Drilling Method	Roller Bit/HQ Core				

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	S-1		6	4-2-2-14		2.9		SP	(0-0.35') Asphalt at surface	Cemented flushmount road box 0 to 1 ft bgs		
1							FILL	(0.35-1.2') Light brown SAND, some gravel (medium dense)				
2	S-2		8	4-4-6-8		3.1		FILL	(1.2-4') Black medium to fine SAND, wood fragments, rubber fragments [FILL] (medium dense)	Portland cement grout backfill 1 to 30 ft bgs		
3												
4	S-3		6	11-6-4-3		NA		FILL	(4-6.7') Red rubber fragments in layers, no soil [FILL]	Permanent 4" steel casing 0-35 ft bgs grouted into bedrock		
5												
6	S-4		6	4-4-2-2		11.6		ML	(6.7-8') Black SILT, trace clay, trace sand (soft to medium stiff) Sheen noted on split spoon			
7												
8	S-5		0	4-3-2-1		NA		--	(8-10') No recovery			
9												
10	S-6		10	4-2-3-6		12.4		ML	(10-10.8') Black SILT, trace clay, trace sand (soft to medium stiff)			
11								PT	(10.8-11.2') Layer of black fibrous organic [PEAT]			
12	S-7		16	6-5-5-5		11.7		SP	(11.2-12') Brown to black medium SAND, trace gravel (wet) (medium dense)			
13								SP	(12-17.5') Light gray fine SAND, trace gravel, gravel content increasing with depth (wet) (medium dense)			
14	S-8		14	5-5-5-5		4.9						
15												
16	S-9		16	9-9-12-11		2.5						
17												
18	S-10		8	11-8-7-10		25.4		SP	(17.5-20') Brown coarse SAND, some gravel (wet) (medium dense to dense)			
19												
20												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-07B



Project: Former Aerovox Facility
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 Project Number: 39744051

URS Corporation
 Log of Boring MW-07B
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	S-11		16	9-13		99.9		SM	(20-22') Brown to reddish brown coarse to medium SAND and angular GRAVEL (wet) (medium dense)			
21				7-8								
22	S-12		3	5-5		NA		GP	(22-24') Coarse GRAVEL (medium dense) Poor sample recovery, material likely from boring cave in			
23				3-4								
24	S-13		4	7-7		8.4		GP	(24-26') Coarse angular to rounded GRAVEL, little fine material (medium dense) Poor sample recovery, material likely from boring cave in			
25				7-6								
26	S-14		16	9-17		78.1		SP	(26-30') Light brown coarse SAND, little gravel, trace silt (wet) (dense to very dense) Poor recovery 28-30 ft bgs, weathered bedrock fragment in tip of spoon			
27				14-17								
28	S-15		3	33-23		11.4						
29				15-65								
30								BR	Split spoon refusal at 30 ft bgs Roller bit to 35 ft bgs to begin rock core sampling			
31												
32											Bentonite chip seal 30 to 32 ft bgs	
33												
34											#2 Filter sand from 32 to 45.5 ft bgs	
35								BR	(35-45.5') [BEDROCK]			
36	R-1		9									
37	R-2		60									
38												
39												
40												
41	R-3		46									
42												
43												
44												
45												
46												
												2-inch Schedule 40 PVC screen 35.5 to 45.5 ft bgs
												Bottom of Exploration 45.5 ft bgs

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-07B

Project: Former Aerovox Facility
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URS Corporation
Log of Boring MW-101B
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Date(s) Drilled and Installed	6/2/14	Water Surface Elevation	NA	Well Casing or Riser	4-in steel casing 0-29 ft bgs; 2-in sched. 40 PVC riser 0-29 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	7.85 ft msl	Screen	2-in Sched. 40 PVC screen 29-39 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	39.0 ft	Easting	814933.153878	Notes:	Location: Precip property adjacent to GZ-101 cluster Sampler Type: 2-ft Split Spoon, Rock Core Hammer Data: NA Well Type: Flush-mount well installed
Groundwater Level	NE	Annular Fill:			
Diameter of Borehole	8.5 in		Grout backfill 1-25 ft bgs Bentonite chip seal 25-27 ft bgs		
Drilling Method	Roller Bit/HQ Core		#2 Filter sand 27-39 ft bgs		

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-29') Asphalt at surface		Cemented flushmount road box 0 to 1 ft bgs	
1										5-inch casing (drive and wash) advanced to 20.5 ft bgs, no overburden material sampling conducted			
2													
3													
4													
5												Grout backfill 1 to 25 ft bgs	
6													
7													
8												Permanent 4" steel casing 0-29 ft bgs grouted into bedrock	
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-101B



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring MW-101B
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20												
21								BR	Casing refusal at 20.5 ft bgs			
22												
23												
24												
25												
26												
27												
28												
29	R-1		60		95			BR	(29-34') Gray with trace pink metamorphic GRANITE GNEISSIC SCHIST [BEDROCK], hard, fresh to very slight weathering (with iron staining at 32' fracture), slightly fractured to sound, fine-grained, with white quartz and k-feldspar			
30									5 fractures, only 1 piece <4"			
31												
32												
33												
34	R-2		60		96			BR	(34-39') Gray metamorphic GRANITE GNEISS SCHIST [BEDROCK], hard, fresh to very slight weathering with iron staining at 37 ft bgs fracture, fine-grained, slightly fractured to sound, k-feldspar and granite present			
35									6 fractures, 7 pieces, only 1 <4"			
36												
37												
38												
39									Bottom of Exploration 39.0 ft bgs			
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-101B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-10D
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Date(s) Drilled and Installed	10/2/14	Water Surface Elevation	-5.13 ft msl	Well Casing or Riser	2-in sched. 40 PVC riser 0-27 ft bgs
Logged By (URS)	J. Currier	Surface Elevation	4.87 ft msl	Screen	2-in Sched. 40 PVC screen 27-37 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	37.0 ft	Easting	815377.842246	Notes:	Location: Eastern area of site property
Groundwater Level	10 ft bgs	Northing	2706825.33358	Sampler Type:	2-ft Split Spoon
Diameter of Borehole	8.5 in	Annular Fill:		Hammer Data:	Autohammer
Drilling Method	HSA/Casing and Roller Bit	Portland cement grout backfill 0-23 ft bgs		Well Type:	Flush-mount well installed
		Bentonite chip seal 23-25 ft bgs			
		#2 Filter sand 25-37 ft bgs			

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	S-1		10	18-18-10-8		2.5		SP	(0-0.5') Broken asphalt at surface			
1								SP	(0.5-1.8') Light brown SAND (medium dense)			
2	S-2		0	5-7-10-3		NA		--	(1.8-2') Asphalt fragments (2-4') No recovery (medium dense)			
4	S-3		10	2-1-0-0		2.1		PT	(4-6') Brown fibrous [PEAT], little sand at 4 ft bgs (very soft to very loose)		Portland cement backfill 0-23 ft bgs	
6	S-4		0	WOH		NA		--	(6-8') No recovery (very soft to very loose) Sheen observed on drilling water in tub			
8	S-5		0	WOH		NA		--	(8-10') No recovery (very soft to very loose)			
10	S-6		14	10-9-10-10		2.7		SP	(10-12') Dark brown medium to coarse SAND, little peat, trace gravel (loose to medium dense) (wet)			
12	S-7		10	9-11-10-10		0.0		SP	(12-14') Dark brown SAND and GRAVEL (wet) (medium dense)			
14	S-8		7	5-3-3-6		0.8		SP	(14-16') Dark brown coarse to medium SAND, little gravel (wet) (loose)			
16	S-9		24	6-4-4-3		1.4		SP	(16-18') Dark brown coarse to medium SAND, little gravel, grading to medium sand with depth (wet) (loose)			
18	S-10		10	5-3-3-4		1.6		SP	(18-20') Brown fine to medium SAND, trace silt, trace gravel (wet) (loose)			

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-10D



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 Log of Boring MW-10D
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	S-11		22	5-6-5		2.1		SP	(20-20.7') Medium to coarse SAND lens (wet) (loose)	<p>Bentonite chip seal 23 to 25 ft bgs</p> <p>#2 Filter sand 25 to 37.15 ft bgs</p> <p>2-inch Schedule 40 PVC screen 27 to 37 ft bgs</p>		
21				6-5				SP	(20.7-22') Brown to light brown fine SAND (wet) (loose to medium dense)			
22	S-12		0	6-5-4-5		NA		--	(22-24') No recovery			
23												
24	S-13		10	5-4-5-5		77.2		GP SP	(24-24.4') Angular GRAVEL (24.4-27') Brown coarse to medium SAND, some gravel (medium dense) (wet)			
25												
26	S-14		24	5-6-7-10		75.9						
27								GP	(27-31') Light brown coarse GRAVEL and coarse SAND (wet) (loose to medium dense)			
28	S-15		8	6-7-5-5		3.6						
29												
30	S-16		18	8-8-8-7		6.9						
31								SP	(31-32') Light brown coarse SAND, trace gravel (wet) (loose to medium dense)			
32	S-17		5	8-8-16-10		3.8		SP	(32-37') Light brown SAND and angular GRAVEL, weathered rock fragments in spoon 36.7 to 37 ft bgs (medium dense) (wet)			
33									Split spoon and casing refusal at 37 ft bgs			
34	S-18		5	14-14-11-23		3.5						
35												
36	S-19		14	30-47-50/2"		12.5						
37									Bottom of Exploration 37.0 ft bgs			
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-10D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
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URS Corporation
Log of Boring MW-11B
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Date(s) Drilled and Installed	3/2/14	Water Surface Elevation	NA	Well Casing or Riser	4-in steel casing 0-12 ft bgs; 2-in sched. 40 PVC riser 0-12 ft bgs
Logged By (URS)	J. Currier	Surface Elevation	11.55 ft msl	Screen	2-in Sched. 40 PVC screen 12-22 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	22.0 ft	Easting	814631.712756	Notes:	Location: Southwestern corner of Aerovox property
Groundwater Level	NE	Annular Fill:	Portland cement grout backfill 0-8 ft bgs	Sampler Type:	2-ft Split Spoon
Diameter of Borehole	8.5 in		Bentonite chip seal 8-10 ft bgs	Hammer Data:	Autohammer
Drilling Method	HSA/Roller Bit/HQ Core		#2 Filter sand 10-22 ft bgs	Well Type:	Flush-mount well installed

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS	
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0	S-1		12	6-15-15-10		0.6		SP	Asphalt at surface				
1									(0.2-2') Light brown fine to medium SAND and coarse GRAVEL (medium dense)				
2	S-2		6	10-8-5-6		0.2		SP	(2-4') Brownish yellow medium SAND, little angular gravel, some silt (moist) (medium dense)			Portland cement backfill from 0 to 8 ft bgs	
3													
4	S-3		10	8-7-8-9		2.5		SP	(4-6') Light brown to brown medium SAND, trace silt, trace gravel (moist) (medium dense)				
5													
6	S-4		20	18-20-34-44		4.8		SP	(6-8') Light brown to brown medium SAND, trace silt, trace gravel (moist) (very dense)			#2 Filter sand from 10 to 22 ft bgs	
7												Permanent 4" steel casing 0-12 ft bgs grouted into bedrock	
8	S-5		12	43-46-50/3"		8.1		SM	(8-9.25') Light brown to gray very fine SAND and SILT, rock fragments (dense to very dense)				
9												Bentonite chip seal 8 to 10 ft bgs	
10								BR	Split spoon refusal at 9.3 ft bgs				
11	R-1		44					BR	(9.25-11') Roller bit to 11 ft bgs to begin rock core sampling				
12									(11-16') [BEDROCK], 2 sections greater than 4", weathered				Socket for permanent 4" casing set at 11 ft bgs
13													
14													
15													
16	R-2							BR	(16-21') [BEDROCK], 5 sections greater than 4"				2-inch Schedule 40 PVC screen 12 to 22 ft bgs
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-11B

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Log of Boring MW-11B
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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20												
21	R-3		15					BR	(21-22') [BEDROCK]			
22									Bottom of Exploration 22.0 ft bgs			
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-11B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
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URS Corporation
Log of Boring MW-12S
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Date(s) Drilled and Installed	10/2/14	Water Surface Elevation	1.37 ft msl	Well Casing or Riser	2-in sched. 40 PVC riser 0-3 ft bgs
Logged By (URS)	J. Currier	Surface Elevation	8.37 ft msl	Screen	2-in Sched. 40 PVC screen 3-13 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	13.0 ft	Easting	814794.609777	Notes:	Location: Southwestern area of Aerovox property Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	7.0 ft bgs	Annular Fill:			
Diameter of Borehole	8.5 in		Sand backfill 0-1 ft bgs Bentonite chip seal 1-2 ft bgs		
Drilling Method	HSA		#2 Filter sand 2-13 ft bgs		

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0			0						(0-2') Asphalt at surface Augered through concrete slab to begin split spoon sampling		Sand backfill from 0 to 1 ft bgs	
1											Bentonite seal from 1 to 2 ft bgs	
2	S-1		10	10-6-6-1		1.2		SP	(2-4') Dark brown to black medium SAND and GRAVEL, trace silt, concrete fragments at top (moist) (medium dense)			
3												
4	S-2		6	3-1-4-5		3.8		SM	(4-7') Black to brown fine SAND and SILT, trace gravel (loose) (moist)		#2 Filter sand from 2 to 13 ft bgs	
5												
6	S-3		22	3-4-6-6		4.7						
7								SP	(7-8') Gray fine to medium SAND, little gravel (wet) (loose)		2-inch Schedule 40 PVC screen 3 to 13 ft bgs	
8	S-4		22	28-40-50-50		1.8		SP	(8-10.4') Gray medium to coarse SAND and GRAVEL, gravel content increasing with depth (wet) (dense)			
9									Split spoon refusal at 10.4 ft bgs			
10	S-5		22	50/5"		1.4						
11								-	(10.4-13') Augered to 13 ft bgs for well installation			
12												
13									Bottom of Exploration 13.0 ft bgs			
14												
15												
16												
17												
18												
19												
20												

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Log of Boring MW-13B
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Date(s) Drilled and Installed	3/2/14	Water Surface Elevation	NA	Well Casing or Riser	4-in steel casing 0-14 ft bgs; 2-in sched. 40 PVC riser 0-14 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	5.71 ft msl	Screen	2-in Sched. 40 PVC screen 14-24 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	24.0 ft	Easting	814944.751505	Notes:	Location: Aerovox property northeast of well MW-12S Sampler Type: Rock Core Hammer Data: NA Well Type: Flush-mount well installed
Groundwater Level	NE	Annular Fill:			
Diameter of Borehole	8.5 in		Grout backfill 1-11 ft bgs Bentonite chip seal 11-12 ft bgs #2 Filter sand 12-24 ft bgs		
Drilling Method	Drive & Wash/5", 4" Casing				

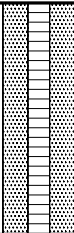
Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-14') Asphalt at surface 5-inch casing advanced to 12 ft bgs to begin rock core sampling		Cemented flushmount road box 0 to 1 ft bgs Grout backfill 1 to 11 ft bgs	
1													
2													
3													
4													
5													
6													
7													
8												Permanent 4" steel casing 0-14 ft bgs grouted into bedrock	
9													
10													
11													
12									BR	Casing refusal at 12 ft bgs		Bentonite chip seal 11 to 12 ft Robo-bit socket into bedrock 12-14 ft bgs for permanent 4" casing	
13													
14	R-1		60		100				BR	(14-19') Gray with pink pigmentation and green to olive coloration metamorphosed GRANITE GNEISS SCHIST [BEDROCK], moderately hard to hard, fresh to very slight weathering, slightly fractured to sound, fine-grained; k-feldspar and quartz present			
15													
16												2-inch Schedule 40 PVC screen 14 to 24 ft bgs #2 Filter sand 12 to 24 ft bgs	
17										5 pieces over 4": Steep-angle fracture 14.5-15 ft bgs Low-angle/horizontal fracture at 15.5 ft bgs Low-angle/moderately dipping fracture at 16.5 ft bgs Vertical fracture from 17-19 ft bgs, iron-stained indicating likely water-bearing zone			
18													
19	R-2		60		100				BR	(19-24') Gray to pink metamorphosed GRANITE GNEISSIC SCHIST [BEDROCK], moderately hard to hard, fresh to slight			
20													

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Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)	Lithology USCS Code					
20										weathering, sound, fine-grained, k-feldspar and quarts present 3 pieces over 4": Low-angle fracture at 20 ft bgs Steep-angle fracture 20-20.5 ft bgs Fractures slightly iron-stained			
21													
22													
23													
24										Bottom of Exploration 24.0 ft bgs			
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													

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Project: Former Aerovox Facility
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URS Corporation
Log of Boring MW-13D
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Date(s) Drilled and Installed	4/2/14	Water Surface Elevation	1.63 ft msl	Well Casing or Riser	2-in sched. 40 PVC riser 0-3 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	5.63 ft msl	Screen	2-in Sched. 40 PVC screen 2-12 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	12.0 ft	Easting	814949.169173	Notes:	Location: Aerovox property northeast of well MW-12S Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	4.0 ft bgs	Annular Fill:			
Diameter of Borehole	8.5 in		Bentonite chip seal 1-1.5 ft bgs		
Drilling Method	HSA		#2 Filter sand 1.5-13 ft bgs		

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0						NA	11.8	SP	(0-2') Asphalt at surface Dark brown very fine to fine SAND with fine to coarse gravel (loose) (dry)	<p>Cemented flushmount road box 0 to 1 ft bgs Bentonite chip seal 1 to 1.5 ft bgs 2-inch Schedule 40 PVC screen 2 to 12 ft bgs #2 Filter sand 1.5 to 12 ft bgs</p>		
1												
2	S-1		0	3-2-1-1		NA		--	(2-2.5') Concrete slab (2.5-4') No recovery			
3												
4	S-2		6	1-1-1-2		0.0	0.5	SP	(4-6') Dark brown fine to medium SAND and fine to coarse GRAVEL (wet) (loose)			
5												
6	S-3		9	2-2-2-4		0.0	17.4	SW	(6-8') Dark brown very fine to coarse SAND, some fine gravel, trace organic material (wet) (loose)			
7												
8	S-4		21	6-11-27-39		2.0		SP	(8-10') Light brown fine to medium SAND, little to trace fine gravel (wet) (medium dense to dense)			
9							7.0					
10	S-5		20	7-20-29-120/3"		1.6		SP	(10-11.8') Light brown fine to coarse SAND, some fine to coarse gravel (wet) (dense) Split spoon refusal at 11.8 ft bgs, augered to 12 ft bgs for well installation			
11						4.4						
12						9.5	10.3					
12									Bottom of Exploration 12.0 ft bgs			
13												
14												
15												
16												
17												
18												
19												
20												

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Log of Boring MW-15B
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Date(s) Drilled and Installed	19/2/14	Water Surface Elevation	NA	Well Casing or Riser	4-in steel casing 0-36 ft bgs; 2-in sched. 40 PVC riser 0-36 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	6.05 ft msl	Screen	2-in Sched. 40 PVC screen 36-46 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	46.0 ft	Easting	815595.045651	Notes:	Location: Northeastern area of Aerovox property near Acushnet River Sampler Type: Rock Core Hammer Data: NA Well Type: Flush-mount well installed
Groundwater Level	NE	Annular Fill:			
Diameter of Borehole	8.5 in		Grout backfill 1-32 ft bgs Bentonite chip seal 32-34 ft bgs		
Drilling Method	Drive & Wash/Casing		#2 Filter sand 34-46 ft bgs		

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-36') Asphalt at surface 6-inch casing advanced to 9.5 ft bgs and seated in peat unit		Cemented flushmount road box 0 to 1 ft bgs	
5												Grout backfill 1 to 32 ft bgs	
10												Permanent 4" steel casing 0-36 ft bgs grouted into bedrock	
15													
20													
25												Sheen noted in wash water from 25 to 30 ft bgs	
30													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-15B



Project: Former Aerovox Facility
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 Project Number: 39744051

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Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
30								BR	(30') Rollerbit into bedrock for socket for permanent 4" casing		Permanent 4" casing seated into socket to 36 ft bgs	
35	R-1		60		95			BR	(36-41') Gray with olive and pink fine- to medium-grained metamorphic [GRANITE GNEISSIC SCHIST], 5 pieces, only 1 piece <4", moderately hard from 41 to 44 ft bgs, medium to soft 44 to 46 ft bgs, slight weathering becoming moderate at 44 to 46 ft bgs, slightly fractured to sound, horizontal fractures at 41.7, 41.8 and 43 ft bgs, steep angle fractures at 44 ft bgs with silt/clay deposit; white quartz, chlorite and k-feldspar accessory minerals		Bentonite chip seal 32 to 34 ft bgs #2 Filter sand 34 to 46 ft bgs	
40	R-2		60		98			BR	(41-46') Gray with olive, trace pink fine-grained metamorphic [GRANITE GNEISSIC SCHIST], 8 pieces, only 1 piece <4", moderately hard, slight weathering, slightly fractured to sound, steep angle fractures (70 degrees at 37, 37.5, 38.5 and 40.5 ft bgs, horizontal to low-angle fractures at 39.5 and 40 ft bgs), void space in core at 40.25 ft bgs of 1.5 inches wide; white quartz banding and k-feldspar and chlorite accessory minerals		2-inch Schedule 40 PVC screen 36 to 46 ft bgs	
45									Bottom of Exploration 46.0 ft bgs			
50												
55												
60												
65												
70												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-15B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-15D
 Sheet 1 of 2

Date(s) Drilled and Installed	20/2/14	Water Surface Elevation	NA	Well Casing or Riser	2-in sched. 40 PVC riser 0-21 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	6.04 ft msl	Screen	2-in Sched. 40 PVC screen 21-31 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	31.0 ft	Easting	815594.586531	Notes:	Location: Northeastern area of Aerovox property near Acushnet River Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	NE	Annular Fill:			
Diameter of Borehole	8.5 in		Grout backfill 1-17 ft bgs Bentonite chip seal 17-19 ft bgs #2 Filter sand 19-31 ft bgs		
Drilling Method	Drive & Wash/5", 4" Casing				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-20") Asphalt at surface			
1										5-inch casing advanced to 9.5 ft bgs and seated into peat unit			Cemented flushmount road box 0 to 1 ft bgs
2													
3													Grout backfill 1 to 17 ft bgs
4													
5													
6													
7													
8													
9													
10										4-inch casing advanced to top of rock (31 ft bgs) to begin split spoon sampling			
11													
12													
13													
14													
15													
16													
17													
18													Bentonite chip seal 17 to 19 ft bgs
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-15D

Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring MW-15D
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	S-1		10	1-2		0.1		SW	(20-22') Light gray medium to fine SAND, some coarse sand, little medium to fine gravel, trace brownish yellow fine sand (wet) (loose) No impact observed			
21			2-3		0.1							
22	S-2		21	6-5		2		SW	(22-24') Light gray to brown coarse to medium to fine SAND and GRAVEL (loose to medium dense) (wet) Trace oily material at 23 ft bgs			
23			4-6		12							
24	S-3		8	3-3		2		SW	(24-26') Light brown to brown coarse to fine SAND and GRAVEL (loose to medium dense) (wet) Trace oily material, slight odor			
25			2-3		4							
26	S-4		16	4-6		300		SW	(26-28') Light gray with little DNAPL staining coarse to fine SAND and GRAVEL, lens of silty very fine sand at 27.5 ft bgs where DNAPL appears to be pooling Brown DNAPL staining, strong odor, visibly impacted sample			
27			6-9		450							
28	S-5		11	4-4		2		SM	(28-30') Light gray SILTY medium to fine SAND, some coarse to fine gravel, trace coarse sand [GLACIAL TILL] (medium dense) (moist)			
29			5-5		2							
30	S-6		6	4-2		0.3		SP-GP	(30-31') Light gray fine and coarse SAND, SILT, medium to fine GRAVEL [GLACIAL TILL], trace fractured weathered bedrock (loose) (moist to wet) No impact observed Split spoon refusal at 31 ft bgs			
31					2							
32									Bottom of Exploration 31.0 ft bgs			
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-15D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-16S
 Sheet 1 of 1

Date(s) Drilled and Installed	10/2/14	Water Surface Elevation	-1.01 ft msl	Well Casing or Riser	2-in sched. 40 PVC riser 0-3 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	6.49 ft msl	Screen	2-in Sched. 40 PVC screen 3-13 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	13.0 ft	Easting	815486.41545	Notes:	Location: Precip property
Groundwater Level	7.5 ft bgs	Northing	2707060.00365	Sampler Type:	2-ft Split Spoon
Diameter of Borehole	8.5 in	Annular Fill:		Hammer Data:	Autohammer
Drilling Method	HSA	Bentonite chip seal 1-2 ft bgs #2 Filter sand 2-13 ft bgs		Well Type:	Flush-mount well installed

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-5') Asphalt at surface Augered to 5 ft bgs to pre-clear for utility clearance and begin split spoon sampling		Cemented flushmount road box 0 to 1 ft bgs Bentonite chip seal 1 to 2 ft bgs	
1													
2													
3													
4													
5	S-1		8	1-1-1-1		0	19.1		SW	(5-7') Brown fine to coarse SAND and GRAVEL (wet) (loose)		#2 Filter sand 2 to 13 ft bgs	
6						0							
7	S-2		19	2-4-4-4		0	1.2		SW	(7-7.5') Brown fine to coarse SAND and GRAVEL (loose)			
8						0			SP	(7.5-9.5') Light brown to light gray very fine SAND (wet) (loose)			
9	S-2		22	2-2-2-2		0							
10						1.6			ML	(9.5-11') Light brown, trace brownish yellow SILT (wet) (soft)			
11	S-3		20	3-4-6-7		5.1	18.6		ML	(11-13') Light brown to gray, trace brownish yellow SILT (wet) (soft)			
12						0							
13						0							
14						1.2	6.2						
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-16S

Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-17B
 Sheet 1 of 3

Date(s) Drilled and Installed	11/2/14	Water Surface Elevation	-2.76 ft msl	Well Casing or Riser	4-in steel casing 0-39 ft bgs; 2-in sched. 40 PVC riser 0-39 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	5.24 ft msl	Screen	2-in Sched. 40 PVC screen 39-49 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	49.0 ft	Easting	815506.406593	Notes:	Location: Southeastern area of Aerovox property near Acushnet River Sampler Type: Rock Core Hammer Data: NA Well Type: Flush-mount well installed
Groundwater Level	8.0 ft bgs	Annular Fill:			
Diameter of Borehole	8.5 in		Grout backfill 1-35 ft bgs Bentonite chip seal 35-37 ft bgs #2 Filter sand 37-49 ft bgs		
Drilling Method	Drive & Wash/Casing/Roller Bit				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-8') Asphalt at surface 6-inch casing advanced to 9.5 ft bgs into peat unit		Cemented flushmount road box 0 to 1 ft bgs	
1													
2													
3													
4												Grout backfill 1 to 35 ft bgs	
5													
6													
7													
8	S-1		12	WOH		0.0			SM	(8-9') Dark gray SILTY very fine SAND (loose) (wet)		Permanent 4" steel casing 0-39 ft bgs grouted into bedrock 5" casing advanced to top of rock (34 ft bgs)	
9						0.0			PT	(9-10') Brown highly organic [PEAT] (moist)			
10	S-2		8	1-2-3		0.0	0.0		SW	(10-12') Dark gray to brown coarse to fine SAND and GRAVEL (loose) (wet)			
11						0.0	2.1						
12						0.0							
13						0.0			--	(12-39') Casing and roller bit advanced to 39 ft bgs to begin rock core sampling			
14						0.0							
15						0.0							
16						0.0							
17						0.0							
18						0.0							
19						0.0							
20						0.0							

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-17B



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring MW-17B
 Sheet 2 of 3

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34								BR	Casing refusal at 34 ft bgs			
35												Rollerbit into bedrock for 24-39 ft bgs for seal in 84" casing bgs
36												
37												
38												
39	R-1		58		56%			BR	(39-41') Broken gray with pink metamorphic [GRANITE GNEISSIC SCHIST], moderately to severely weathered, 1 piece >4", medium to soft, fine to medium grained, moderately fractured, high-angle (55-85%), white quartz and k-feldspar accessory minerals			
40												2-inch Schedule 40 PVC screen 39 to 49 ft bgs
41								BR	(41-44') Gray with pink metamorphic [GRANITE GNEISSIC SCHIST], slightly to very slightly weathered, moderately hard, fine to medium grained, moderately to slightly fractured, high angle fractures (55-85%), white quartz and k-feldspar accessory minerals			
42												
43												#2 Filter sand 37 to 49 ft bgs
44	R-2		60		100			BR	(44-49') Gray with pink metamorphic [GRANITE GNEISSIC SCHIST], 3 pieces >4", very competent, hard, fresh to very slight weathering, sound (2 pieces of 27" and 28"), fine-grained, fractures are steep/high-angle (85%), white quartz and k-feldspar accessory minerals			
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-17B



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
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URS Corporation
Log of Boring MW-17B
 Sheet 3 of 3

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
47												
48												
49												
50										Bottom of Exploration 49 ft bgs		
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												
61												
62												
63												
64												
65												
66												
67												
68												
69												
70												
71												
72												
73												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-17B



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-17D
 Sheet 1 of 2

Date(s) Drilled and Installed	12/2/14	Water Surface Elevation	NA	Well Casing or Riser	2-in sched. 40 PVC riser 0-24 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	5.26 ft msl	Screen	2-in Sched. 40 PVC screen 24-34 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	34.0 ft	Easting	815503.949767	Notes:	Location: Southeastern area of Aerovox property near Acushnet River Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	NE	Annular Fill:			
Diameter of Borehole	8.5 in		Grout backfill 1-20 ft bgs Bentonite chip seal 20-22 ft bgs #2 Filter sand 22-34 ft bgs		
Drilling Method	Drive & Wash/Casing/Roller Bit				

Depth, feet	SAMPLES										Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS	
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)									
0												--	(0-20") Asphalt at surface 6-inch casing advanced to 9.5 ft bgs into peat unit		Cemented flushmount road box 0 to 1 ft bgs	
1																
2																
3																
4																Grout backfill 1 to 20 ft bgs
5																
6																
7																
8																
9																
10																4" casing advanced to top of rock (34 ft bgs)
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-17D



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring MW-17D
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	S-1		8	2-2		0.0		23	SW	(20-22') Gray coarse to fine SAND and GRAVEL (loose) (wet)	Bentonite chip seal 20 to 22 ft bgs	
21				2-2		0.0						
22	S-2		16	2-2		3.5	16.3		SW	(22-24') Gray with some brownish yellow coarse to fine SAND and coarse to fine GRAVEL, lens of silty very fine sand 23 to 23.5 ft bgs (loose) (wet)		
23				2-2		5.5						
24	S-3		0	2-2		3.1			--	(24-26') No recovery		
25				2-2		3.0						
26	S-4		16	9-6		3.7			SP	(26-27') Light brown very fine SAND and GRAVEL, trace silt (medium dense) (wet)	2-inch Schedule 40 PVC screen 24 to 34 ft bgs	
27				6-6		4.0						
28	S-5		9	6-5		8.6	40		SW	(27-32') Light brown coarse to fine SAND and GRAVEL, trace silt (medium dense) (wet)	#2 Filter sand 22 to 34 ft bgs	
29				2-2		5.7						
30	S-6		8	4-4		0.0						
31				5-8		1.0	20.6					
32	S-7		14	17-16		0.0			SW	(32-33.75') Light brown to gray coarse to fine SAND and GRAVEL, little to trace silt, possible bedrock fragments (dense to very dense) (wet)		
33				7-50/3"		0.6	7.1			Split spoon refusal at 33.75 ft bgs		
34										Casing refusal at 34 ft bgs		
34										Bottom of Exploration 34 ft bgs		
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-17D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-18D
 Sheet 1 of 2

Date(s) Drilled and Installed	7/2/14	Water Surface Elevation	-1.71 ft msl	Well Casing or Riser	2-in sched. 40 PVC riser 0-18 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	7.29 ft msl	Screen	2-in Sched. 40 PVC screen 18-23 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	23.0 ft	Easting	815242.506177	Notes:	Location: Precip property west of GZ-102 cluster Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	9.0 ft bgs	Annular Fill:			
Diameter of Borehole	8.5 in		Cement grout backfill 1-15 ft bgs Bentonite chip seal 15-17 ft bgs #2 Filter sand 17-23 ft bgs		
Drilling Method	Drive & Wash/Casing/Roller Bit				

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-9') Asphalt at surface 4-inch casing and roller bit advanced to 9 ft bgs to begin split spoon sampling		Cemented flushmount road box 0 to 1 ft bgs	
1													
2													
3													
4													
5													
6													
7													
8													
9	S-1		14	6-9-12		0	0.0		SW	(9-11') Brown to light brown coarse to fine SAND, little coarse to medium gravel (wet) (medium dense)			
10						0							
11	S-2		14	5-9-11-8		0	3.0		SW	(11-13') Brown to light brown coarse to fine SAND, some to little coarse to fine gravel (wet) (medium dense)			
12						0.7							
13	S-3		9	3-3-4-2		0			SW	(13-15') Light brown coarse to fine SAND and GRAVEL (wet) (loose to medium dense)			
14						0							
15	S-4		12	3-4-3-4		0	5.1		SW	(15-17') Light brown coarse to fine SAND and GRAVEL (wet) (medium dense)		Bentonite chip seal 15 to 17 ft bgs	
16						0	3.0						
17	S-5		8	1-2-2-2		0			SW	(17-21') Light brown to gray coarse to fine SAND and GRAVEL (loose) (wet)			
18						0.4	2.7						
19	S-6		9	2-3-		0						#2 Filter sand 17 to 23 ft bgs	
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-18D



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring MW-18D
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	S-7	X	10	1-2		1.2	7.5	[Pattern]	SM	(21-23') Light gray SILTY fine SAND, trace medium to fine gravel (wet) (medium dense) Split spoon and casing refusal at 23 ft bgs	[Diagram]	2-inch Schedule 40 PVC screen 18 to 23 ft bgs
21				3-10		0	[Pattern]					
22				10-6		0.2						
23										Bottom of Exploration 23.0 ft bgs		
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-18D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-18S
 Sheet 1 of 1

Date(s) Drilled and Installed	7/2/14	Water Surface Elevation	2.28 ft msl	Well Casing or Riser	2-in sched. 40 PVC riser 0-3 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	7.28 ft msl	Screen	2-in Sched. 40 PVC screen 3-13 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	13.0 ft	Easting	815238.426666	Notes:	Location: Precip property west of GZ-102 cluster Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	5.0 ft bgs	Northing	2707059.90119	Annular Fill:	
Diameter of Borehole	8.5 in			Bentonite chip seal 1-2 ft bgs	
Drilling Method	HSA			#2 Filter sand 2-13 ft bgs	

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-5') Asphalt at surface Augered to 5 ft bgs to preclear for utility clearance and begin split spoon sampling		Cemented flushmount road box 0 to 1 ft bgs Bentonite chip seal 1 to 2 ft bgs	
5	S-1		15	1-2 3-4		0	0.0		SP	(5-7') Brown to dark brown fine to coarse SAND (wet) (loose)		#2 Filter sand 2 to 13 ft bgs	
7	S-2		20	3-4 6-7		0	0.0		SW	(7-9') Light brown fine to coarse SAND, little fine gravel (wet) (loose)			
9						0			-	(9-13') Augered to 13 ft bgs for well construction			
13										Bottom of Exploration 13.0 ft bgs			

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-18S



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-19D
 Sheet 1 of 2

Date(s) Drilled and Installed	10/2/14	Water Surface Elevation	1.67 ft msl	Well Casing or Riser	2-in sched. 40 PVC riser 0-14 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	7.67 ft msl	Screen	2-in Sched. 40 PVC screen 14-24 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	24.0 ft	Easting	815174.333933	Notes:	Location: Southeastern area of Aerovox property Sampler Type: 2-ft Split Spoon Hammer Data: Autohammer Well Type: Flush-mount well installed
Groundwater Level	6.0 ft bgs	Annular Fill:			
Diameter of Borehole	8.5 in	Grout backfill	1-10 ft bgs		
Drilling Method	HSA	Bentonite chip seal	10-12 ft bgs	#2 Filter sand	

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
0	S-1		16	1-2-3		0.0	0.0	FILL	(0-1') Asphalt at surface Black medium to fine SAND and GRAVEL [FILL] (loose)		Cemented flushmount road box 0 to 1 ft bgs	
1						0.0	0.0	SW	(1-2') Light brown medium to fine SAND and GRAVEL (dry to moist) (loose)			
2	S-2		15	1-1-1		0.0	0.0	SW	(2-4') Brownish yellow medium to fine SAND, some fine gravel (dry to moist) (loose)			
3						0.0	0.0					
4	S-3		16	1-1-1		6.5	46.7	SP	(4-6') Light brown fine SAND (dry to moist, wet at tip of spoon) (loose)			
5						0.8	0.0				Grout 1 to 10 ft bgs	
6	S-4		20	1-1-3		0.0	0.0	SP	(6-8') Light brown fine SAND, trace silt (wet) (loose)			
7						0.0	0.0					
8	S-5		12	2-1-1		0.0	0.1	SP	(8-10') Light brown to gray very fine SAND (wet) (loose)			
9				4		0.0	0.0					
10	S-6		18	2-1-1		0.0	0.8	SP	(10-13.5') Light brown to gray SILTY very fine SAND (wet) (loose)			
11				2		0.0	0.0				Bentonite chip seal 10 to 12 ft bgs	
12	S-7		14	1-1-2		0.0	0.0					
13				2		0.0	0.0					
14	S-8		10	3-4-6		0.0	0.0	SW	(13.5-14') Brownish yellow coarse to fine SAND, some fine gravel (loose) (wet)			
15				7		0.0	0.0	SW	(14-16') Brown coarse to fine SAND and GRAVEL (loose to medium dense) (wet)			
16	S-9		16	2-2-3		0.0	5.2	SW	(16-18') Brown to gray coarse to fine SAND, some medium to fine gravel, little fine sand, fine sand lenses 17-17.5 ft bgs (loose) (wet)			
17				2		0.0	0.0				2-inch Schedule 40 PVC screen 14 to 24 ft bgs	
18	S-10		4	4-4-4		0.0	2.5	SW	(18-20') Gray coarse to fine SAND and GRAVEL (medium dense) (wet)			
19				3		0.0						
20												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-19D



Project: Former Aerovox Facility
 Project Location: New Bedford, Massachusetts
 Project Number: 39744051

URS Corporation
 Log of Boring MW-19D
 Sheet 2 of 2

Depth, feet	SAMPLES							Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)					
20	S-11		13	4-5		0.0		[Graphic Log: Stippled pattern]	SW	(20-22') Light gray coarse to fine SAND and GRAVEL (medium dense) (wet)	[Well Construction: Stippled pattern]	#2 Filter sand 12 to 24 ft bgs
21			4		0.0							
22	S-12		11	3-2		0.0	18.5		SW	(22-24') Light brown to gray coarse to fine SAND and GRAVEL (medium dense) (wet)		
23				4-7		0.4	26.5			Split spoon and casing refusal at 24 ft bgs		
24						0.0				Bottom of Exploration 24.0 ft bgs		
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
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42												
43												
44												
45												
46												

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-19D



Project: Former Aerovox Facility
Project Location: New Bedford, Massachusetts
Project Number: 39744051

URS Corporation
Log of Boring MW-19S
 Sheet 1 of 1

Date(s) Drilled and Installed	11/2/14	Water Surface Elevation	NA	Well Casing or Riser	2-in sched. 40 PVC riser 0-3 ft bgs
Logged By (URS)	J. Harshman	Surface Elevation	7.62 ft msl	Screen	2-in Sched. 40 PVC screen 3-13 ft bgs
Drilling Contractor	Geosearch	Datum	Massachusetts State Plane Coordinate System (NAD 83)	Checked By	J. Harshman
Total Depth of Borehole	13.0 ft	Easting	815179.292493	Notes:	Location: Southeastern area of Aerovox property Sampler Type: NA Hammer Data: NA Well Type: Flush-mount well installed
Groundwater Level	NE	Annular Fill:			
Diameter of Borehole	8.5 in		Bentonite chip seal 1-2 ft bgs		
Drilling Method	HSA		#2 Filter sand 2-13 ft bgs		

Depth, feet	SAMPLES								Graphic Log	Lithology USCS Code	MATERIAL DESCRIPTION	Well Construction	REMARKS
	Sample Number	Sample Type	Recovery (in)	Blow Count per 6 in	Core RQD (%)	PID (ppm)	Headspace PID (ppm)						
0									--	(0-13') Asphalt at surface Augered to 13 ft bgs to construct monitoring well, no samples collected		Cemented flushmount road box 0 to 1 ft bgs Bentonite chip seal 1 to 2 ft bgs 2-inch Schedule 40 PVC screen 3 to 13 ft bgs #2 Filter sand 2 to 13 ft bgs	
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13										Bottom of Exploration 13.0 ft bgs			
14													
15													
16													
17													
18													
19													
20													

Report: AVX FINAL LOGS WITH WELL; File: AVX 2013 BORING LOGS.GPJ; 5/21/2014 MW-19S



APPENDIX B

Analytical Reports



ANALYTICAL REPORT

Lab Number:	L1324594
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith Leclair
Phone:	(603) 606-4818
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/20/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1324594-01	B01D (2')	NEW BEDFORD,MA	12/04/13 09:30
L1324594-02	B01D (3-5)	NEW BEDFORD,MA	12/04/13 09:35
L1324594-03	B01D (6-8)	NEW BEDFORD,MA	12/04/13 09:40
L1324594-04	B02D (2')	NEW BEDFORD,MA	12/04/13 11:20
L1324594-05	B02D (3-5)	NEW BEDFORD,MA	12/04/13 11:25
L1324594-06	B02D (8-10)	NEW BEDFORD,MA	12/04/13 11:30
L1324594-07	B02D (13-15)	NEW BEDFORD,MA	12/04/13 11:35
L1324594-08	B02D (18-20)	NEW BEDFORD,MA	12/04/13 11:40
L1324594-09	B02D (23-25)	NEW BEDFORD,MA	12/04/13 11:45
L1324594-10	B02D (25-26)	NEW BEDFORD,MA	12/04/13 11:50
L1324594-11	TB-01	NEW BEDFORD,MA	12/04/13 00:00
L1324594-12	B03C (18.5)	NEW BEDFORD,MA	12/04/13 14:15
L1324594-13	B03C (2')	NEW BEDFORD,MA	12/04/13 14:45
L1324594-14	B03C (3-5)	NEW BEDFORD,MA	12/04/13 14:50
L1324594-15	B03C (8-10)	NEW BEDFORD,MA	12/04/13 14:55
L1324594-16	B03C (13-15)	NEW BEDFORD,MA	12/04/13 15:00
L1324594-17	B03C (18-20)	NEW BEDFORD,MA	12/04/13 15:05
L1324594-18	B03C (28-30)	NEW BEDFORD,MA	12/04/13 15:10
L1324594-19	B03C (30-30.5)	NEW BEDFORD,MA	12/04/13 15:15

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

MADEP MCP Response Action Analytical Report Certification

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

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued on December 11, 2013, and includes the results of all requested analyses.

MCP Related Narratives

Sample Receipt

Raw soil was not submitted for the analysis of Total Solids on "B03C (18.5)". At the client's request, the Total Solids result from their sample "B03C (18-20)" (reported as L1324594-17) was utilized in the dry weight calculation of these sample results.

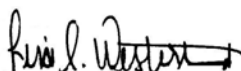
Volatile Organics

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:



Lisa Westerlind

Title: Technical Director/Representative

Date: 12/20/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324594**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1324594-11
 Client ID: TB-01
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/10/13 22:18
 Analyst: PP
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/04/13 00:00
 Date Received: 12/04/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324594**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1324594-11

Date Collected: 12/04/13 00:00

Client ID: TB-01

Date Received: 12/04/13

Sample Location: NEW BEDFORD,MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324594**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1324594-12
Client ID: B03C (18.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/10/13 21:50
Analyst: PP
Percent Solids: 84%

Date Collected: 12/04/13 14:15
Date Received: 12/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	1.0		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	1.5		ug/kg	0.68	--	1
Chlorobenzene	ND		ug/kg	0.68	--	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
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	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	99		ug/kg	0.68	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	--	1
cis-1,2-Dichloroethene	22		ug/kg	0.68	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	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
o-Chlorotoluene	ND		ug/kg	2.7	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324594**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1324594-12
 Client ID: B03C (18.5)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/04/13 14:15
 Date Received: 12/04/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/10/13 21:21
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11-12 Batch: WG658039-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/10/13 21:21
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11-12 Batch: WG658039-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/10/13 21:21
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11-12 Batch: WG658039-3					
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	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11-12 Batch: WG658039-1 WG658039-2								
Methylene chloride	96		97		70-130	1		20
1,1-Dichloroethane	95		94		70-130	1		20
Chloroform	96		94		70-130	2		20
Carbon tetrachloride	90		89		70-130	1		20
1,2-Dichloropropane	99		99		70-130	0		20
Dibromochloromethane	85		84		70-130	1		20
1,1,2-Trichloroethane	89		91		70-130	2		20
Tetrachloroethene	88		86		70-130	2		20
Chlorobenzene	87		86		70-130	1		20
Trichlorofluoromethane	99		96		70-130	3		20
1,2-Dichloroethane	88		88		70-130	0		20
1,1,1-Trichloroethane	91		90		70-130	1		20
Bromodichloromethane	95		94		70-130	1		20
trans-1,3-Dichloropropene	88		87		70-130	1		20
cis-1,3-Dichloropropene	98		97		70-130	1		20
1,1-Dichloropropene	98		97		70-130	1		20
Bromoform	81		83		70-130	2		20
1,1,2,2-Tetrachloroethane	80		83		70-130	4		20
Benzene	92		91		70-130	1		20
Toluene	86		83		70-130	4		20
Ethylbenzene	86		85		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11-12 Batch: WG658039-1 WG658039-2								
Chloromethane	95		95		70-130	0		20
Bromomethane	139	Q	136	Q	70-130	2		20
Vinyl chloride	103		102		70-130	1		20
Chloroethane	90		88		70-130	2		20
1,1-Dichloroethene	100		98		70-130	2		20
trans-1,2-Dichloroethene	96		95		70-130	1		20
Trichloroethene	95		92		70-130	3		20
1,2-Dichlorobenzene	85		83		70-130	2		20
1,3-Dichlorobenzene	86		84		70-130	2		20
1,4-Dichlorobenzene	86		84		70-130	2		20
Methyl tert butyl ether	96		96		70-130	0		20
p/m-Xylene	84		82		70-130	2		20
o-Xylene	86		86		70-130	0		20
cis-1,2-Dichloroethene	95		95		70-130	0		20
Dibromomethane	95		97		70-130	2		20
1,2,3-Trichloropropane	78		80		70-130	3		20
Styrene	90		89		70-130	1		20
Dichlorodifluoromethane	103		101		70-130	2		20
Acetone	110		106		70-130	4		20
Carbon disulfide	97		97		70-130	0		20
Methyl ethyl ketone	95		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11-12 Batch: WG658039-1 WG658039-2								
Methyl isobutyl ketone	89		93		70-130	4		20
2-Hexanone	80		82		70-130	2		20
Bromochloromethane	99		100		70-130	1		20
Tetrahydrofuran	73		80		70-130	9		20
2,2-Dichloropropane	101		99		70-130	2		20
1,2-Dibromoethane	88		90		70-130	2		20
1,3-Dichloropropane	86		86		70-130	0		20
1,1,1,2-Tetrachloroethane	87		86		70-130	1		20
Bromobenzene	86		89		70-130	3		20
n-Butylbenzene	87		85		70-130	2		20
sec-Butylbenzene	85		84		70-130	1		20
tert-Butylbenzene	88		87		70-130	1		20
o-Chlorotoluene	87		85		70-130	2		20
p-Chlorotoluene	85		84		70-130	1		20
1,2-Dibromo-3-chloropropane	82		130		70-130	45	Q	20
Hexachlorobutadiene	88		87		70-130	1		20
Isopropylbenzene	84		83		70-130	1		20
p-Isopropyltoluene	89		89		70-130	0		20
Naphthalene	86		89		70-130	3		20
n-Propylbenzene	86		84		70-130	2		20
1,2,3-Trichlorobenzene	85		86		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11-12 Batch: WG658039-1 WG658039-2								
1,2,4-Trichlorobenzene	89		89		70-130	0		20
1,3,5-Trimethylbenzene	85		83		70-130	2		20
1,2,4-Trimethylbenzene	86		85		70-130	1		20
Diethyl ether	102		102		70-130	0		20
Diisopropyl Ether	86		86		70-130	0		20
Ethyl-Tert-Butyl-Ether	96		96		70-130	0		20
Tertiary-Amyl Methyl Ether	99		99		70-130	0		20
1,4-Dioxane	101		106		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	98		99		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324594**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1324594-01
Client ID: B01D (2')
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/07/13 00:00
Analyst: TQ
Percent Solids: 93%

Date Collected: 12/04/13 09:30
Date Received: 12/04/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/05/13 10:16
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.5	--	1	A
Aroclor 1221	ND		ug/kg	20.5	--	1	A
Aroclor 1232	ND		ug/kg	20.5	--	1	A
Aroclor 1242	ND		ug/kg	20.5	--	1	A
Aroclor 1248	ND		ug/kg	13.7	--	1	A
Aroclor 1254	ND		ug/kg	20.5	--	1	A
Aroclor 1260	ND		ug/kg	13.7	--	1	A
Aroclor 1262	ND		ug/kg	6.84	--	1	A
Aroclor 1268	ND		ug/kg	6.84	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	26	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1324594-04
 Client ID: B02D (2')
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/07/13 00:14
 Analyst: TQ
 Percent Solids: 92%

Date Collected: 12/04/13 11:20
 Date Received: 12/04/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/05/13 10:16
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/06/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.1	--	1	A
Aroclor 1221	ND		ug/kg	21.1	--	1	A
Aroclor 1232	ND		ug/kg	21.1	--	1	A
Aroclor 1242	ND		ug/kg	21.1	--	1	A
Aroclor 1248	ND		ug/kg	14.1	--	1	A
Aroclor 1254	ND		ug/kg	21.1	--	1	A
Aroclor 1260	ND		ug/kg	14.1	--	1	A
Aroclor 1262	ND		ug/kg	7.04	--	1	A
Aroclor 1268	ND		ug/kg	7.04	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	27	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1324594-13
 Client ID: B03C (2')
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/11/13 14:48
 Analyst: KB
 Percent Solids: 96%

Date Collected: 12/04/13 14:45
 Date Received: 12/04/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 18:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/11/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.2	--	1	A
Aroclor 1221	ND		ug/kg	20.2	--	1	A
Aroclor 1232	ND		ug/kg	20.2	--	1	A
Aroclor 1242	ND		ug/kg	20.2	--	1	A
Aroclor 1248	ND		ug/kg	13.4	--	1	A
Aroclor 1254	20.9		ug/kg	20.2	--	1	B
Aroclor 1260	ND		ug/kg	13.4	--	1	A
Aroclor 1262	ND		ug/kg	6.73	--	1	A
Aroclor 1268	ND		ug/kg	6.73	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324594**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1324594-17
Client ID: B03C (18-20)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/11/13 15:03
Analyst: KB
Percent Solids: 84%

Date Collected: 12/04/13 15:05
Date Received: 12/04/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/10/13 18:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/11/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.5	--	1	A
Aroclor 1221	ND		ug/kg	22.5	--	1	A
Aroclor 1232	ND		ug/kg	22.5	--	1	A
Aroclor 1242	ND		ug/kg	22.5	--	1	A
Aroclor 1248	ND		ug/kg	15.0	--	1	A
Aroclor 1254	70.0		ug/kg	22.5	--	1	B
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.49	--	1	A
Aroclor 1268	ND		ug/kg	7.49	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/07/13 00:28
 Analyst: TQ

Extraction Method: EPA 3540C
 Extraction Date: 12/05/13 10:16
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/06/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,04 Batch: WG656423-1						
Aroclor 1016	ND		ug/kg	18.9	--	A
Aroclor 1221	ND		ug/kg	18.9	--	A
Aroclor 1232	ND		ug/kg	18.9	--	A
Aroclor 1242	ND		ug/kg	18.9	--	A
Aroclor 1248	ND		ug/kg	12.6	--	A
Aroclor 1254	ND		ug/kg	18.9	--	A
Aroclor 1260	ND		ug/kg	12.6	--	A
Aroclor 1262	ND		ug/kg	6.30	--	A
Aroclor 1268	ND		ug/kg	6.30	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	44		30-150	B



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/11/13 15:33
 Analyst: KB

Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 16:32
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/11/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 13,17 Batch: WG657826-1						
Aroclor 1016	ND		ug/kg	19.9	--	A
Aroclor 1221	ND		ug/kg	19.9	--	A
Aroclor 1232	ND		ug/kg	19.9	--	A
Aroclor 1242	ND		ug/kg	19.9	--	A
Aroclor 1248	ND		ug/kg	13.2	--	A
Aroclor 1254	ND		ug/kg	19.9	--	A
Aroclor 1260	ND		ug/kg	13.2	--	A
Aroclor 1262	ND		ug/kg	6.62	--	A
Aroclor 1268	ND		ug/kg	6.62	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	28	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	35		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

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: WG656423-4 WG656423-5									
Aroclor 1016	84		86		40-140	2		30	A
Aroclor 1260	69		74		40-140	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		64		30-150	A
Decachlorobiphenyl	42		43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		76		30-150	B
Decachlorobiphenyl	47		47		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 13,17 Batch: WG657826-2 WG657826-3									
Aroclor 1016	59		63		40-140	7		30	A
Aroclor 1260	40		44		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		64		30-150	A
Decachlorobiphenyl	36		38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	B
Decachlorobiphenyl	45		44		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1324594-01
 Client ID: B01D (2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/04/13 09:30
 Date Received: 12/04/13
 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	92.9		%	0.100	NA	1	-	12/06/13 03:36	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324594**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1324594-04
Client ID: B02D (2')
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/04/13 11:20
Date Received: 12/04/13
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	91.5		%	0.100	NA	1	-	12/06/13 03:36	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1324594-12
Client ID: B03C (18.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/04/13 14:15
Date Received: 12/04/13
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	83.6		%	0.100	NA	1	-	12/06/13 03:36	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324594**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1324594-13
Client ID: B03C (2)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/04/13 14:45
Date Received: 12/04/13
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	96.0		%	0.100	NA	1	-	12/06/13 03:36	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1324594-17
 Client ID: B03C (18-20)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/04/13 15:05
 Date Received: 12/04/13
 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	83.6		%	0.100	NA	1	-	12/06/13 03:36	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1324594

Report Date: 12/20/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04,13,17 QC Batch ID: WG656682-1 QC Sample: L1324594-01 Client ID: B01D (2')						
Solids, Total	92.9	94.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG657981-1 QC Sample: L1324338-31 Client ID: DUP Sample						
Solids, Total	92.9	94.2	%	1		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1324594

Project Number: 39744051.10003

Report Date: 12/20/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/04/2013 23:45

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324594-01A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324594-02A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-03A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-04A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324594-05A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-06A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-07A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-08A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-09A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-10A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-11A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1324594-11B	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1324594-11C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1324594-12A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8260HLW-10(14)
L1324594-12B	Vial water preserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8260HLW-10(14)
L1324594-12C	Vial water preserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8260HLW-10(14)
L1324594-13A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324594-14A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-15A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-16A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-17A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324594-18A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1324594-19A	Amber 120ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()

Container Comments

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE**Project Number:** 39744051.10003**Lab Number:** L1324594**Report Date:** 12/20/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1324594-11B

L1324594-12B

*Values in parentheses indicate holding time in days

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324594
Report Date: 12/20/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd In Lab: 12/4/13

ALPHA Job #: L1324594

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe

Project Location: New Bedford, MA

Project #: 39744051.10003

Project Manager: Judy LeClair/Marilyn Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Additional Project Information:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/11/13

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: <input type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL # BOTTLES
	SAMPLE INFO							
	Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do							

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES								
		Date	Time			VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Fingerprint	Quant Only										
<u>24594-01</u>	<u>B01D (2')</u>	<u>12/4/13</u>	<u>0930</u>	<u>S</u>	<u>JKH</u>																				
<u>02</u>	<u>B01D (3-5)</u>		<u>0935</u>	<u>S</u>	<u>JKH</u>																			<u>HOLD</u>	<u>1</u>
<u>03</u>	<u>B01D (6-8)</u>		<u>0940</u>	<u>S</u>	<u>JKH</u>																			<u>HOLD</u>	<u>1</u>
<u>04</u>	<u>B02D (2')</u>		<u>1120</u>	<u>S</u>	<u>JKH</u>																				<u>1</u>
<u>05</u>	<u>B02D (3-5)</u>		<u>1125</u>	<u>S</u>	<u>JKH</u>																			<u>HOLD</u>	<u>1</u>
<u>06</u>	<u>B02D (8-10)</u>		<u>1130</u>	<u>S</u>	<u>JKH</u>																			<u>HOLD</u>	<u>1</u>
<u>07</u>	<u>B02D (13-15)</u>		<u>1135</u>	<u>S</u>	<u>JKH</u>																			<u>HOLD</u>	<u>1</u>
<u>08</u>	<u>B02D (18-20)</u>		<u>1140</u>	<u>S</u>	<u>JKH</u>																			<u>HOLD</u>	<u>1</u>
<u>09</u>	<u>B02D (23-25)</u>		<u>1145</u>	<u>S</u>	<u>JKH</u>																			<u>HOLD</u>	<u>1</u>
<u>10</u>	<u>B02D (25-26)</u>		<u>1150</u>	<u>S</u>	<u>JKH</u>																			<u>HOLD</u>	<u>1</u>

- | | |
|-----------------------|--|
| Container Type | Preservative |
| P= Plastic | A= None |
| A= Amber glass | B= HCl |
| V= Vial | C= HNO ₃ |
| G= Glass | D= H ₂ SO ₄ |
| B= Bacteria cup | E= NaOH |
| C= Cube | F= MeOH |
| O= Other | G= NaHSO ₄ |
| E= Encore | H= Na ₂ S ₂ O ₃ |
| D= BOD Bottle | I= Ascorbic Acid |
| | J= NH ₄ Cl |
| | K= Zn Acetate |
| | O= Other |

Container Type	<u>G</u>
Preservative	<u>A</u>

Relinquished By:	Date/Time	Received By:	Date/Time
<u>Judy LeClair</u>	<u>12/4/13 15:15</u>	<u>J. Penn</u>	<u>12-4-13 16:15</u>
<u>J. Penn</u>	<u>12-4-13 16:35</u>	<u>William McLeod</u>	<u>12/4/13/1635</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-899-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information | **Report Information - Data Deliverables** | **Billing Information**

Project Name: *Aerovox Geoprobe* | ADEX | EMAIL | Same as Client info | PO #:

Regulatory Requirements & Project Information Requirements

Project Location: *New Bedford, MA* | Yes No MA MCP Analytical Methods | Yes No CT RCP Analytical Methods
 Project #: *39744051.10003* | Yes No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
 Project Manager: *Judy LeClair/Marilyn Wade* | Yes No GW1 Standards (Info Required for Metals & EPH with Targets)
 ALPHA Quote #: | Yes No NPDES RGP
 | Other State /Fed Program Criteria

Client Information

Client: *URS*
 Address: *1155 Elm St, Suite 401
Manchester, NH 03101*
 Phone: *(603) 606-4800*
 Email: *judith.leclair@urs.com*

Turn-Around Time

Standard | RUSH (only confirmed if pre-approved)
 Date Due: *12/11/13*

Additional Project Information:

ANALYSIS										SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
VOC: <input checked="" type="checkbox"/> B260	<input type="checkbox"/> 624	<input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN	<input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13	<input type="checkbox"/> MCP 14	<input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5	<input type="checkbox"/> RCRA8		
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only <input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint											

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	3	3	1	1	1	1	1	1	1	1	Sample Comments		
		Date	Time															
<i>24594-11</i>	<i>TB-01</i>	<i>12.4.13</i>		<i>TB</i>														<i>3</i>
<i>12</i>	<i>B03C (18.5)</i>		<i>1415</i>	<i>S</i>	<i>JKH</i>		<i>3</i>											<i>3</i>
<i>13</i>	<i>B03C (2')</i>		<i>1445</i>	<i>S</i>	<i>JKH</i>			<i>1</i>										<i>1</i>
<i>14</i>	<i>B03C (3-5)</i>		<i>1450</i>	<i>S</i>	<i>JKH</i>			<i>1</i>								<i>HOLD</i>		<i>1</i>
<i>15</i>	<i>B03C (8-10)</i>		<i>1455</i>	<i>S</i>	<i>JKH</i>			<i>1</i>								<i>HOLD</i>		<i>1</i>
<i>16</i>	<i>B03C (13-15)</i>		<i>1500</i>	<i>S</i>	<i>JKH</i>			<i>1</i>								<i>HOLD</i>		<i>1</i>
<i>17</i>	<i>B03C (18-20)</i>		<i>1505</i>	<i>S</i>	<i>JKH</i>			<i>1</i>								<i>HOLD</i>		<i>1</i>
<i>18</i>	<i>B03C (28-30)</i>		<i>1510</i>	<i>S</i>	<i>JKH</i>			<i>1</i>								<i>HOLD</i>		<i>1</i>
<i>19</i>	<i>B03C (30-30.5)</i>		<i>1515</i>	<i>S</i>	<i>JKH</i>			<i>1</i>								<i>HOLD</i>		<i>1</i>

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₈
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type	<i>V</i>									<i>G</i>
Preservative	<i>O</i>									<i>A</i>

Relinquished By: *Judith LeClair* | Date/Time: *12/4/13 15:15*

Received By: *William Mcclure* | Date/Time: *12-4-13 15:15*

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-899-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: **URS**

Address: **1155 Elm St, Suite 401
Manchester, NH 03101**

Phone: **(603) 606-4800**

Email: **judith.leclair@urs.com**

Project Information

Project Name: **Aerovox Geoprobe**

Project Location: **New Bedford, MA**

Project #: **39744051.10003**

Project Manager: **Judy LeClair/Marilyn Wade**

ALPHA Quote #:

Date Rec'd in Lab: **12/4/13**

ALPHA Job #: **L1324594**

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: **12/11/13**

Additional Project Information:

ANALYSIS		TOTAL # BOTTLES
VOC: <input checked="" type="checkbox"/> B260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	
SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH		
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15		
METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPT3		
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	3	3	1	1	1	1	1	1	1	1	1	
		Date	Time														
24594-11	TB-01	12.4.13		TB													3
12	B03C (18.5)		1415	S	JKH												3
13	B03C (2')		1445	S	JKH			1									1
14	B03C (3-5)		1450	S	JKH			1									1
15	B03C (8-10)		1455	S	JKH			1									1
16	B03C (13-15)		1500	S	JKH			1									1
17	B03C (18-20)		1505	S	JKH			1		run							1
18	B03C (28-30)		1510	S	JKH			1									1
19	B03C (30-30.5)		1515	S	JKH			1									1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	V										G
Preservative	O										A

Relinquished By: **Judith LeClair** Date/Time: **12/4/13 15:15**

Received By: **William Mcclure** Date/Time: **12-4-13 15:15**

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1324748
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/26/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1324748-01	B03D (0-2)	NEW BEDFORD, MA	12/05/13 08:30
L1324748-02	B03D (3-5)	NEW BEDFORD, MA	12/05/13 08:35
L1324748-03	B03D (8-10)	NEW BEDFORD, MA	12/05/13 08:40
L1324748-04	B03D (13-15)	NEW BEDFORD, MA	12/05/13 08:45
L1324748-05	B03D (18-20)	NEW BEDFORD, MA	12/05/13 08:50
L1324748-06	B03D (23-25)	NEW BEDFORD, MA	12/05/13 08:55
L1324748-07	B04D (0-2)	NEW BEDFORD, MA	12/05/13 09:45
L1324748-08	B04D (3-5)	NEW BEDFORD, MA	12/05/13 09:50
L1324748-09	B04D (6-8)	NEW BEDFORD, MA	12/05/13 09:55
L1324748-10	B04C (0-2)	NEW BEDFORD, MA	12/05/13 10:10
L1324748-11	B04C (3.5)	NEW BEDFORD, MA	12/05/13 10:15
L1324748-12	B04C (3-5)	NEW BEDFORD, MA	12/05/13 10:20
L1324748-13	B04C (8-9)	NEW BEDFORD, MA	12/05/13 10:45
L1324748-14	TB-02	NEW BEDFORD, MA	12/05/13 00:00
L1324748-15	B04B (0-2)	NEW BEDFORD, MA	12/05/13 12:25
L1324748-16	B04B (3.5)	NEW BEDFORD, MA	12/05/13 12:30
L1324748-17	B04B (3-5)	NEW BEDFORD, MA	12/05/13 12:35
L1324748-18	B04B (8-10)	NEW BEDFORD, MA	12/05/13 12:40
L1324748-19	B04B (13)	NEW BEDFORD, MA	12/05/13 13:00
L1324748-20	B04B (13-15)	NEW BEDFORD, MA	12/05/13 13:05
L1324748-21	B04A (0-2)	NEW BEDFORD, MA	12/05/13 14:00
L1324748-22	B04A (3-5)	NEW BEDFORD, MA	12/05/13 14:01
L1324748-23	B04A (8-10)	NEW BEDFORD, MA	12/05/13 14:02
L1324748-24	B04A (13-15)	NEW BEDFORD, MA	12/05/13 14:03
L1324748-25	B04A (15.5)	NEW BEDFORD, MA	12/05/13 14:05
L1324748-26	B04A (18-20)	NEW BEDFORD, MA	12/05/13 14:10
L1324748-27	B05A (0-2)	NEW BEDFORD, MA	12/05/13 15:15
L1324748-28	B05A (3-5)	NEW BEDFORD, MA	12/05/13 15:16
L1324748-29	B05A (5.5)	NEW BEDFORD, MA	12/05/13 15:17
L1324748-30	B05A (8-10)	NEW BEDFORD, MA	12/05/13 15:18
L1324748-31	B05A (13-15)	NEW BEDFORD, MA	12/05/13 15:19

**Alpha
Sample ID**

Client ID

**Sample
Location**

**Collection
Date/Time**

L1324748-32

B05A (18-20)

NEW BEDFORD, MA

12/05/13 15:20

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued December 13, 2013, and includes the results of the Volatiles analysis on sample L1324748-19 and the PCB analysis on samples L1324748-20 and -23.

MCP Related Narratives

Volatile Organics

L1324748-13 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1324748-29: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

In reference to question G:

L1324748-11, -13, -14, -16, -25 and 29: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1324748-11, -13, -14, -16, -25 and -29, utilized a quadratic fit for chloroethane.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:


L1324748-07 and -11: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1324748-07 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 12/26/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-11
Client ID: B04C (3.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/11/13 12:50
Analyst: PP
Percent Solids: 98%

Date Collected: 12/05/13 10:15
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	750	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	75	--	1
1,2-Dichloropropane	ND		ug/kg	260	--	1
Dibromochloromethane	ND		ug/kg	75	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	75	--	1
Chlorobenzene	ND		ug/kg	75	--	1
1,2-Dichloroethane	ND		ug/kg	75	--	1
1,1,1-Trichloroethane	ND		ug/kg	75	--	1
Bromodichloromethane	ND		ug/kg	75	--	1
trans-1,3-Dichloropropene	ND		ug/kg	75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	75	--	1
Bromoform	ND		ug/kg	300	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	75	--	1
Chloromethane	ND		ug/kg	300	--	1
Vinyl chloride	ND		ug/kg	150	--	1
Chloroethane	ND		ug/kg	150	--	1
1,1-Dichloroethene	ND		ug/kg	75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	1300		ug/kg	75	--	1
1,2-Dichlorobenzene	ND		ug/kg	300	--	1
1,3-Dichlorobenzene	ND		ug/kg	300	--	1
1,4-Dichlorobenzene	ND		ug/kg	300	--	1
cis-1,2-Dichloroethene	280		ug/kg	75	--	1
Dichlorodifluoromethane	ND		ug/kg	750	--	1
1,2-Dibromoethane	ND		ug/kg	300	--	1
1,3-Dichloropropane	ND		ug/kg	300	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	75	--	1
o-Chlorotoluene	ND		ug/kg	300	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-11

Date Collected: 12/05/13 10:15

Client ID: B04C (3.5)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	300	--	1
Hexachlorobutadiene	ND		ug/kg	300	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-13 D
 Client ID: B04C (8-9)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/11/13 12:22
 Analyst: PP
 Percent Solids: 93%

Date Collected: 12/05/13 10:45
 Date Received: 12/05/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2200	--	2.5
1,1-Dichloroethane	ND		ug/kg	320	--	2.5
Chloroform	ND		ug/kg	320	--	2.5
Carbon tetrachloride	ND		ug/kg	220	--	2.5
1,2-Dichloropropane	ND		ug/kg	760	--	2.5
Dibromochloromethane	ND		ug/kg	220	--	2.5
1,1,2-Trichloroethane	ND		ug/kg	320	--	2.5
Tetrachloroethene	ND		ug/kg	220	--	2.5
Chlorobenzene	430		ug/kg	220	--	2.5
1,2-Dichloroethane	ND		ug/kg	220	--	2.5
1,1,1-Trichloroethane	ND		ug/kg	220	--	2.5
Bromodichloromethane	ND		ug/kg	220	--	2.5
trans-1,3-Dichloropropene	ND		ug/kg	220	--	2.5
cis-1,3-Dichloropropene	ND		ug/kg	220	--	2.5
Bromoform	ND		ug/kg	870	--	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	220	--	2.5
Chloromethane	ND		ug/kg	870	--	2.5
Vinyl chloride	ND		ug/kg	430	--	2.5
Chloroethane	ND		ug/kg	430	--	2.5
1,1-Dichloroethene	ND		ug/kg	220	--	2.5
trans-1,2-Dichloroethene	ND		ug/kg	320	--	2.5
Trichloroethene	ND		ug/kg	220	--	2.5
1,2-Dichlorobenzene	ND		ug/kg	870	--	2.5
1,3-Dichlorobenzene	ND		ug/kg	870	--	2.5
1,4-Dichlorobenzene	ND		ug/kg	870	--	2.5
cis-1,2-Dichloroethene	ND		ug/kg	220	--	2.5
Dichlorodifluoromethane	ND		ug/kg	2200	--	2.5
1,2-Dibromoethane	ND		ug/kg	870	--	2.5
1,3-Dichloropropane	ND		ug/kg	870	--	2.5
1,1,1,2-Tetrachloroethane	ND		ug/kg	220	--	2.5
o-Chlorotoluene	ND		ug/kg	870	--	2.5

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-13 D

Date Collected: 12/05/13 10:45

Client ID: B04C (8-9)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	870	--	2.5
Hexachlorobutadiene	ND		ug/kg	870	--	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	870	--	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-14
Client ID: TB-02
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/11/13 13:18
Analyst: PP
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/05/13 00:00
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-14

Date Collected: 12/05/13 00:00

Client ID: TB-02

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-16 D2
 Client ID: B04B (3.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/11/13 17:32
 Analyst: PP
 Percent Solids: 75%

Date Collected: 12/05/13 12:30
 Date Received: 12/05/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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MCP Volatile Organics by 8260/5035 - Westborough Lab

Trichloroethene	480000		ug/kg	4600	--	50
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-16 D
 Client ID: B04B (3.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/11/13 11:54
 Analyst: PP
 Percent Solids: 75%

Date Collected: 12/05/13 12:30
 Date Received: 12/05/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18000	--	20
1,1-Dichloroethane	ND		ug/kg	2800	--	20
Chloroform	ND		ug/kg	2800	--	20
Carbon tetrachloride	ND		ug/kg	1800	--	20
1,2-Dichloropropane	ND		ug/kg	6400	--	20
Dibromochloromethane	ND		ug/kg	1800	--	20
1,1,2-Trichloroethane	ND		ug/kg	2800	--	20
Tetrachloroethene	23000		ug/kg	1800	--	20
Chlorobenzene	ND		ug/kg	1800	--	20
1,2-Dichloroethane	ND		ug/kg	1800	--	20
1,1,1-Trichloroethane	2400		ug/kg	1800	--	20
Bromodichloromethane	ND		ug/kg	1800	--	20
trans-1,3-Dichloropropene	ND		ug/kg	1800	--	20
cis-1,3-Dichloropropene	ND		ug/kg	1800	--	20
Bromoform	ND		ug/kg	7400	--	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	1800	--	20
Chloromethane	ND		ug/kg	7400	--	20
Vinyl chloride	ND		ug/kg	3700	--	20
Chloroethane	ND		ug/kg	3700	--	20
1,1-Dichloroethene	ND		ug/kg	1800	--	20
trans-1,2-Dichloroethene	ND		ug/kg	2800	--	20
Trichloroethene	440000	E	ug/kg	1800	--	20
1,2-Dichlorobenzene	ND		ug/kg	7400	--	20
1,3-Dichlorobenzene	ND		ug/kg	7400	--	20
1,4-Dichlorobenzene	ND		ug/kg	7400	--	20
cis-1,2-Dichloroethene	17000		ug/kg	1800	--	20
Dichlorodifluoromethane	ND		ug/kg	18000	--	20
1,2-Dibromoethane	ND		ug/kg	7400	--	20
1,3-Dichloropropane	ND		ug/kg	7400	--	20
1,1,1,2-Tetrachloroethane	ND		ug/kg	1800	--	20
o-Chlorotoluene	ND		ug/kg	7400	--	20

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-16 D

Date Collected: 12/05/13 12:30

Client ID: B04B (3.5)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	7400	--	20
Hexachlorobutadiene	ND		ug/kg	7400	--	20
1,2,4-Trichlorobenzene	ND		ug/kg	7400	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-19
Client ID: B04B (13)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/19/13 13:44
Analyst: JC
Percent Solids: 84%

Date Collected: 12/05/13 13:00
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.7	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	4.0	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	--	1
Tetrachloroethene	1.3		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	1.1		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
Bromoform	ND		ug/kg	4.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.6	--	1
Vinyl chloride	ND		ug/kg	2.3	--	1
Chloroethane	ND		ug/kg	2.3	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	--	1
Trichloroethene	120		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	--	1
cis-1,2-Dichloroethene	23		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
1,2-Dibromoethane	ND		ug/kg	4.6	--	1
1,3-Dichloropropane	ND		ug/kg	4.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	4.6	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-19

Date Collected: 12/05/13 13:00

Client ID: B04B (13)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.6	--	1
Hexachlorobutadiene	ND		ug/kg	4.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-25
Client ID: B04A (15.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/11/13 14:42
Analyst: PP
Percent Solids: 86%

Date Collected: 12/05/13 14:05
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	610	--	1
1,1-Dichloroethane	ND		ug/kg	91	--	1
Chloroform	ND		ug/kg	91	--	1
Carbon tetrachloride	ND		ug/kg	61	--	1
1,2-Dichloropropane	ND		ug/kg	210	--	1
Dibromochloromethane	ND		ug/kg	61	--	1
1,1,2-Trichloroethane	ND		ug/kg	91	--	1
Tetrachloroethene	ND		ug/kg	61	--	1
Chlorobenzene	ND		ug/kg	61	--	1
1,2-Dichloroethane	ND		ug/kg	61	--	1
1,1,1-Trichloroethane	ND		ug/kg	61	--	1
Bromodichloromethane	ND		ug/kg	61	--	1
trans-1,3-Dichloropropene	ND		ug/kg	61	--	1
cis-1,3-Dichloropropene	ND		ug/kg	61	--	1
Bromoform	ND		ug/kg	240	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	61	--	1
Chloromethane	ND		ug/kg	240	--	1
Vinyl chloride	ND		ug/kg	120	--	1
Chloroethane	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	61	--	1
trans-1,2-Dichloroethene	ND		ug/kg	91	--	1
Trichloroethene	1300		ug/kg	61	--	1
1,2-Dichlorobenzene	ND		ug/kg	240	--	1
1,3-Dichlorobenzene	ND		ug/kg	240	--	1
1,4-Dichlorobenzene	ND		ug/kg	240	--	1
cis-1,2-Dichloroethene	ND		ug/kg	61	--	1
Dichlorodifluoromethane	ND		ug/kg	610	--	1
1,2-Dibromoethane	ND		ug/kg	240	--	1
1,3-Dichloropropane	ND		ug/kg	240	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	61	--	1
o-Chlorotoluene	ND		ug/kg	240	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-25

Date Collected: 12/05/13 14:05

Client ID: B04A (15.5)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	240	--	1
Hexachlorobutadiene	ND		ug/kg	240	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-29
Client ID: B05A (5.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/11/13 15:11
Analyst: PP
Percent Solids: 93%

Date Collected: 12/05/13 15:17
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	620	--	1
1,1-Dichloroethane	ND		ug/kg	93	--	1
Chloroform	ND		ug/kg	93	--	1
Carbon tetrachloride	ND		ug/kg	62	--	1
1,2-Dichloropropane	ND		ug/kg	220	--	1
Dibromochloromethane	ND		ug/kg	62	--	1
1,1,2-Trichloroethane	ND		ug/kg	93	--	1
Tetrachloroethene	ND		ug/kg	62	--	1
Chlorobenzene	ND		ug/kg	62	--	1
1,2-Dichloroethane	ND		ug/kg	62	--	1
1,1,1-Trichloroethane	ND		ug/kg	62	--	1
Bromodichloromethane	ND		ug/kg	62	--	1
trans-1,3-Dichloropropene	ND		ug/kg	62	--	1
cis-1,3-Dichloropropene	ND		ug/kg	62	--	1
Bromoform	ND		ug/kg	250	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	62	--	1
Chloromethane	ND		ug/kg	250	--	1
Vinyl chloride	ND		ug/kg	120	--	1
Chloroethane	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	62	--	1
trans-1,2-Dichloroethene	ND		ug/kg	93	--	1
Trichloroethene	ND		ug/kg	62	--	1
1,2-Dichlorobenzene	ND		ug/kg	250	--	1
1,3-Dichlorobenzene	ND		ug/kg	250	--	1
1,4-Dichlorobenzene	ND		ug/kg	250	--	1
cis-1,2-Dichloroethene	86		ug/kg	62	--	1
Dichlorodifluoromethane	ND		ug/kg	620	--	1
1,2-Dibromoethane	ND		ug/kg	250	--	1
1,3-Dichloropropane	ND		ug/kg	250	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	62	--	1
o-Chlorotoluene	ND		ug/kg	250	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-29

Date Collected: 12/05/13 15:17

Client ID: B05A (5.5)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	250	--	1
Hexachlorobutadiene	ND		ug/kg	250	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/11/13 10:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 11,13-14,16,25,29 Batch: WG658156-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/11/13 10:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 11,13-14,16,25,29 Batch: WG658156-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/11/13 10:57
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 11,13-14,16,25,29 Batch: WG658156-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 10:25
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 19 Batch: WG660555-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/19/13 10:25
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 19 Batch: WG660555-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 10:25
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 19 Batch: WG660555-3					
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	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 11,13-14,16,25,29 Batch: WG658156-1 WG658156-2								
Methylene chloride	98		94		70-130	4		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	99		96		70-130	3		20
Carbon tetrachloride	93		90		70-130	3		20
1,2-Dichloropropane	103		99		70-130	4		20
Dibromochloromethane	90		85		70-130	6		20
1,1,2-Trichloroethane	94		88		70-130	7		20
Tetrachloroethene	86		84		70-130	2		20
Chlorobenzene	87		84		70-130	4		20
Trichlorofluoromethane	95		91		70-130	4		20
1,2-Dichloroethane	99		94		70-130	5		20
1,1,1-Trichloroethane	94		91		70-130	3		20
Bromodichloromethane	102		97		70-130	5		20
trans-1,3-Dichloropropene	89		86		70-130	3		20
cis-1,3-Dichloropropene	100		95		70-130	5		20
1,1-Dichloropropene	96		94		70-130	2		20
Bromoform	88		82		70-130	7		20
1,1,2,2-Tetrachloroethane	87		80		70-130	8		20
Benzene	93		90		70-130	3		20
Toluene	85		83		70-130	2		20
Ethylbenzene	84		82		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 11,13-14,16,25,29 Batch: WG658156-1 WG658156-2								
Chloromethane	104		102		70-130	2		20
Bromomethane	132	Q	127		70-130	4		20
Vinyl chloride	105		102		70-130	3		20
Chloroethane	90		87		70-130	3		20
1,1-Dichloroethene	95		92		70-130	3		20
trans-1,2-Dichloroethene	97		92		70-130	5		20
Trichloroethene	95		91		70-130	4		20
1,2-Dichlorobenzene	86		84		70-130	2		20
1,3-Dichlorobenzene	86		83		70-130	4		20
1,4-Dichlorobenzene	86		83		70-130	4		20
Methyl tert butyl ether	103		96		70-130	7		20
p/m-Xylene	83		80		70-130	4		20
o-Xylene	86		83		70-130	4		20
cis-1,2-Dichloroethene	97		94		70-130	3		20
Dibromomethane	104		96		70-130	8		20
1,2,3-Trichloropropane	85		77		70-130	10		20
Styrene	89		86		70-130	3		20
Dichlorodifluoromethane	94		90		70-130	4		20
Acetone	130		102		70-130	24	Q	20
Carbon disulfide	94		91		70-130	3		20
Methyl ethyl ketone	111		90		70-130	21	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 11,13-14,16,25,29 Batch: WG658156-1 WG658156-2								
Methyl isobutyl ketone	104		90		70-130	14		20
2-Hexanone	91		75		70-130	19		20
Bromochloromethane	106		101		70-130	5		20
Tetrahydrofuran	93		81		70-130	14		20
2,2-Dichloropropane	103		98		70-130	5		20
1,2-Dibromoethane	95		89		70-130	7		20
1,3-Dichloropropane	88		84		70-130	5		20
1,1,1,2-Tetrachloroethane	89		86		70-130	3		20
Bromobenzene	87		85		70-130	2		20
n-Butylbenzene	82		81		70-130	1		20
sec-Butylbenzene	81		80		70-130	1		20
tert-Butylbenzene	86		83		70-130	4		20
o-Chlorotoluene	85		84		70-130	1		20
p-Chlorotoluene	83		81		70-130	2		20
1,2-Dibromo-3-chloropropane	92		82		70-130	11		20
Hexachlorobutadiene	83		82		70-130	1		20
Isopropylbenzene	82		80		70-130	2		20
p-Isopropyltoluene	86		85		70-130	1		20
Naphthalene	92		84		70-130	9		20
n-Propylbenzene	82		80		70-130	2		20
1,2,3-Trichlorobenzene	88		85		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 11,13-14,16,25,29 Batch: WG658156-1 WG658156-2								
1,2,4-Trichlorobenzene	89		86		70-130	3		20
1,3,5-Trimethylbenzene	83		81		70-130	2		20
1,2,4-Trimethylbenzene	85		83		70-130	2		20
Diethyl ether	106		97		70-130	9		20
Diisopropyl Ether	94		90		70-130	4		20
Ethyl-Tert-Butyl-Ether	104		100		70-130	4		20
Tertiary-Amyl Methyl Ether	103		97		70-130	6		20
1,4-Dioxane	107		96		70-130	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	93		92		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	103		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 19 Batch: WG660555-1 WG660555-2								
Methylene chloride	89		86		70-130	3		20
1,1-Dichloroethane	89		85		70-130	5		20
Chloroform	91		87		70-130	4		20
Carbon tetrachloride	83		79		70-130	5		20
1,2-Dichloropropane	94		89		70-130	5		20
Dibromochloromethane	89		88		70-130	1		20
1,1,2-Trichloroethane	94		91		70-130	3		20
Tetrachloroethene	87		82		70-130	6		20
Chlorobenzene	88		85		70-130	3		20
Trichlorofluoromethane	87		80		70-130	8		20
1,2-Dichloroethane	87		85		70-130	2		20
1,1,1-Trichloroethane	85		80		70-130	6		20
Bromodichloromethane	91		88		70-130	3		20
trans-1,3-Dichloropropene	91		88		70-130	3		20
cis-1,3-Dichloropropene	91		88		70-130	3		20
1,1-Dichloropropene	89		82		70-130	8		20
Bromoform	91		88		70-130	3		20
1,1,2,2-Tetrachloroethane	87		86		70-130	1		20
Benzene	85		80		70-130	6		20
Toluene	86		80		70-130	7		20
Ethylbenzene	84		80		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 19 Batch: WG660555-1 WG660555-2								
Chloromethane	86		79		70-130	8		20
Bromomethane	117		113		70-130	3		20
Vinyl chloride	90		81		70-130	11		20
Chloroethane	78		74		70-130	5		20
1,1-Dichloroethene	89		81		70-130	9		20
trans-1,2-Dichloroethene	89		83		70-130	7		20
Trichloroethene	88		82		70-130	7		20
1,2-Dichlorobenzene	91		88		70-130	3		20
1,3-Dichlorobenzene	90		87		70-130	3		20
1,4-Dichlorobenzene	90		87		70-130	3		20
Methyl tert butyl ether	92		90		70-130	2		20
p/m-Xylene	83		78		70-130	6		20
o-Xylene	86		82		70-130	5		20
cis-1,2-Dichloroethene	91		87		70-130	4		20
Dibromomethane	92		90		70-130	2		20
1,2,3-Trichloropropane	86		83		70-130	4		20
Styrene	90		87		70-130	3		20
Dichlorodifluoromethane	87		80		70-130	8		20
Acetone	157	Q	110		70-130	35	Q	20
Carbon disulfide	85		78		70-130	9		20
Methyl ethyl ketone	118		95		70-130	22	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 19 Batch: WG660555-1 WG660555-2								
Methyl isobutyl ketone	86		83		70-130	4		20
2-Hexanone	95		79		70-130	18		20
Bromochloromethane	96		94		70-130	2		20
Tetrahydrofuran	74		74		70-130	0		20
2,2-Dichloropropane	95		88		70-130	8		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	89		86		70-130	3		20
1,1,1,2-Tetrachloroethane	91		88		70-130	3		20
Bromobenzene	91		88		70-130	3		20
n-Butylbenzene	88		82		70-130	7		20
sec-Butylbenzene	86		80		70-130	7		20
tert-Butylbenzene	90		84		70-130	7		20
o-Chlorotoluene	90		85		70-130	6		20
p-Chlorotoluene	89		84		70-130	6		20
1,2-Dibromo-3-chloropropane	88		98		70-130	11		20
Hexachlorobutadiene	88		83		70-130	6		20
Isopropylbenzene	86		81		70-130	6		20
p-Isopropyltoluene	92		86		70-130	7		20
Naphthalene	90		91		70-130	1		20
n-Propylbenzene	87		81		70-130	7		20
1,2,3-Trichlorobenzene	91		91		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 19 Batch: WG660555-1 WG660555-2								
1,2,4-Trichlorobenzene	94		93		70-130	1		20
1,3,5-Trimethylbenzene	88		83		70-130	6		20
1,2,4-Trimethylbenzene	89		85		70-130	5		20
Diethyl ether	94		92		70-130	2		20
Diisopropyl Ether	82		79		70-130	4		20
Ethyl-Tert-Butyl-Ether	92		90		70-130	2		20
Tertiary-Amyl Methyl Ether	91		90		70-130	1		20
1,4-Dioxane	91		90		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	100		100		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-01 D
 Client ID: B03D (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 11:15
 Analyst: KB
 Percent Solids: 92%

Date Collected: 12/05/13 08:30
 Date Received: 12/05/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 18:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/11/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	107	--	5	A
Aroclor 1221	ND		ug/kg	107	--	5	A
Aroclor 1232	ND		ug/kg	107	--	5	A
Aroclor 1242	ND		ug/kg	107	--	5	A
Aroclor 1248	ND		ug/kg	71.6	--	5	A
Aroclor 1254	1380	P	ug/kg	107	--	5	B
Aroclor 1260	ND		ug/kg	71.6	--	5	A
Aroclor 1262	ND		ug/kg	35.8	--	5	A
Aroclor 1268	ND		ug/kg	35.8	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-07 D
 Client ID: B04D (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 11:28
 Analyst: KB
 Percent Solids: 94%

Date Collected: 12/05/13 09:45
 Date Received: 12/05/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 18:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/11/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	411	--	20	A
Aroclor 1221	ND		ug/kg	411	--	20	A
Aroclor 1232	ND		ug/kg	411	--	20	A
Aroclor 1242	ND		ug/kg	411	--	20	A
Aroclor 1248	ND		ug/kg	274	--	20	A
Aroclor 1254	6680		ug/kg	411	--	20	B
Aroclor 1260	ND		ug/kg	274	--	20	A
Aroclor 1262	ND		ug/kg	137	--	20	A
Aroclor 1268	ND		ug/kg	137	--	20	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-10
Client ID: B04C (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/11/13 16:50
Analyst: KB
Percent Solids: 93%

Date Collected: 12/05/13 10:10
Date Received: 12/05/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/10/13 18:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/11/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.8	--	1	A
Aroclor 1221	ND		ug/kg	20.8	--	1	A
Aroclor 1232	ND		ug/kg	20.8	--	1	A
Aroclor 1242	ND		ug/kg	20.8	--	1	A
Aroclor 1248	54.2		ug/kg	13.9	--	1	B
Aroclor 1254	57.5		ug/kg	20.8	--	1	A
Aroclor 1260	42.0		ug/kg	13.9	--	1	B
Aroclor 1262	ND		ug/kg	6.94	--	1	A
Aroclor 1268	ND		ug/kg	6.94	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-11 D
 Client ID: B04C (3.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/13/13 11:34
 Analyst: JW
 Percent Solids: 98%

Date Collected: 12/05/13 10:15
 Date Received: 12/05/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/12/13 11:56
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/13/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/13/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	246	--	10	A
Aroclor 1221	ND		ug/kg	246	--	10	A
Aroclor 1232	ND		ug/kg	246	--	10	A
Aroclor 1242	3130		ug/kg	246	--	10	B
Aroclor 1248	ND		ug/kg	164	--	10	A
Aroclor 1254	1840		ug/kg	246	--	10	B
Aroclor 1260	ND		ug/kg	164	--	10	A
Aroclor 1262	ND		ug/kg	81.9	--	10	A
Aroclor 1268	ND		ug/kg	81.9	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-13 D
Client ID: B04C (8-9)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/12/13 08:38
Analyst: KB
Percent Solids: 93%

Date Collected: 12/05/13 10:45
Date Received: 12/05/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/10/13 18:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/11/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	100	--	5	A
Aroclor 1221	ND		ug/kg	100	--	5	A
Aroclor 1232	ND		ug/kg	100	--	5	A
Aroclor 1242	242		ug/kg	100	--	5	B
Aroclor 1248	ND		ug/kg	66.7	--	5	A
Aroclor 1254	ND		ug/kg	100	--	5	A
Aroclor 1260	ND		ug/kg	66.7	--	5	A
Aroclor 1262	ND		ug/kg	33.4	--	5	A
Aroclor 1268	ND		ug/kg	33.4	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-15
Client ID: B04B (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/12/13 08:51
Analyst: KB
Percent Solids: 92%

Date Collected: 12/05/13 12:25
Date Received: 12/05/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/10/13 18:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/11/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.7	--	1	A
Aroclor 1221	ND		ug/kg	21.7	--	1	A
Aroclor 1232	ND		ug/kg	21.7	--	1	A
Aroclor 1242	126		ug/kg	21.7	--	1	B
Aroclor 1248	ND		ug/kg	14.4	--	1	A
Aroclor 1254	48.8		ug/kg	21.7	--	1	B
Aroclor 1260	ND		ug/kg	14.4	--	1	A
Aroclor 1262	ND		ug/kg	7.22	--	1	A
Aroclor 1268	ND		ug/kg	7.22	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-16 D
 Client ID: B04B (3.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 11:42
 Analyst: KB
 Percent Solids: 75%

Date Collected: 12/05/13 12:30
 Date Received: 12/05/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 18:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/11/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	130	--	5	A
Aroclor 1221	ND		ug/kg	130	--	5	A
Aroclor 1232	ND		ug/kg	130	--	5	A
Aroclor 1242	1020		ug/kg	130	--	5	B
Aroclor 1248	ND		ug/kg	86.7	--	5	A
Aroclor 1254	291		ug/kg	130	--	5	A
Aroclor 1260	ND		ug/kg	86.7	--	5	B
Aroclor 1262	ND		ug/kg	43.3	--	5	A
Aroclor 1268	ND		ug/kg	43.3	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-20
Client ID: B04B (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 13:52
Analyst: JW
Percent Solids: 88%

Date Collected: 12/05/13 13:05
Date Received: 12/05/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 15:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.2	--	1	A
Aroclor 1221	ND		ug/kg	22.2	--	1	A
Aroclor 1232	ND		ug/kg	22.2	--	1	A
Aroclor 1242	291		ug/kg	22.2	--	1	B
Aroclor 1248	ND		ug/kg	14.8	--	1	A
Aroclor 1254	93.4		ug/kg	22.2	--	1	A
Aroclor 1260	ND		ug/kg	14.8	--	1	A
Aroclor 1262	ND		ug/kg	7.40	--	1	A
Aroclor 1268	ND		ug/kg	7.40	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-21
 Client ID: B04A (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 09:18
 Analyst: KB
 Percent Solids: 96%

Date Collected: 12/05/13 14:00
 Date Received: 12/05/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 18:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/11/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	19.5	--	1	A
Aroclor 1221	ND		ug/kg	19.5	--	1	A
Aroclor 1232	ND		ug/kg	19.5	--	1	A
Aroclor 1242	ND		ug/kg	19.5	--	1	A
Aroclor 1248	ND		ug/kg	13.0	--	1	A
Aroclor 1254	242		ug/kg	19.5	--	1	B
Aroclor 1260	ND		ug/kg	13.0	--	1	A
Aroclor 1262	ND		ug/kg	6.50	--	1	A
Aroclor 1268	ND		ug/kg	6.50	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-23
Client ID: B04A (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 14:05
Analyst: JW
Percent Solids: 92%

Date Collected: 12/05/13 14:02
Date Received: 12/05/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 15:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.0	--	1	A
Aroclor 1221	ND		ug/kg	21.0	--	1	A
Aroclor 1232	ND		ug/kg	21.0	--	1	A
Aroclor 1242	ND		ug/kg	21.0	--	1	A
Aroclor 1248	ND		ug/kg	14.0	--	1	A
Aroclor 1254	ND		ug/kg	21.0	--	1	A
Aroclor 1260	ND		ug/kg	14.0	--	1	A
Aroclor 1262	ND		ug/kg	7.02	--	1	A
Aroclor 1268	ND		ug/kg	7.02	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-25
 Client ID: B04A (15.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 09:31
 Analyst: KB
 Percent Solids: 86%

Date Collected: 12/05/13 14:05
 Date Received: 12/05/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 18:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/11/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.3	--	1	A
Aroclor 1221	ND		ug/kg	22.3	--	1	A
Aroclor 1232	ND		ug/kg	22.3	--	1	A
Aroclor 1242	ND		ug/kg	22.3	--	1	A
Aroclor 1248	ND		ug/kg	14.8	--	1	A
Aroclor 1254	28.7		ug/kg	22.3	--	1	B
Aroclor 1260	ND		ug/kg	14.8	--	1	A
Aroclor 1262	ND		ug/kg	7.43	--	1	A
Aroclor 1268	ND		ug/kg	7.43	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-27
Client ID: B05A (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/12/13 09:44
Analyst: KB
Percent Solids: 96%

Date Collected: 12/05/13 15:15
Date Received: 12/05/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/10/13 18:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/11/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.4	--	1	A
Aroclor 1221	ND		ug/kg	20.4	--	1	A
Aroclor 1232	ND		ug/kg	20.4	--	1	A
Aroclor 1242	ND		ug/kg	20.4	--	1	A
Aroclor 1248	ND		ug/kg	13.6	--	1	A
Aroclor 1254	151		ug/kg	20.4	--	1	B
Aroclor 1260	ND		ug/kg	13.6	--	1	A
Aroclor 1262	ND		ug/kg	6.79	--	1	A
Aroclor 1268	ND		ug/kg	6.79	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-29
Client ID: B05A (5.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/12/13 09:57
Analyst: KB
Percent Solids: 93%

Date Collected: 12/05/13 15:17
Date Received: 12/05/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/10/13 18:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/11/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.4	--	1	A
Aroclor 1221	ND		ug/kg	20.4	--	1	A
Aroclor 1232	ND		ug/kg	20.4	--	1	A
Aroclor 1242	ND		ug/kg	20.4	--	1	A
Aroclor 1248	56.2		ug/kg	13.6	--	1	B
Aroclor 1254	84.6		ug/kg	20.4	--	1	B
Aroclor 1260	19.4	P	ug/kg	13.6	--	1	B
Aroclor 1262	ND		ug/kg	6.80	--	1	A
Aroclor 1268	ND		ug/kg	6.80	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/11/13 15:33
 Analyst: KB

Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 16:32
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/11/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/11/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,07,10,13,15-16,21,25,27,29 Batch: WG657826-1						
Aroclor 1016	ND		ug/kg	19.9	--	A
Aroclor 1221	ND		ug/kg	19.9	--	A
Aroclor 1232	ND		ug/kg	19.9	--	A
Aroclor 1242	ND		ug/kg	19.9	--	A
Aroclor 1248	ND		ug/kg	13.2	--	A
Aroclor 1254	ND		ug/kg	19.9	--	A
Aroclor 1260	ND		ug/kg	13.2	--	A
Aroclor 1262	ND		ug/kg	6.62	--	A
Aroclor 1268	ND		ug/kg	6.62	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	28	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	35		30-150	B



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/13/13 11:48
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/12/13 11:56
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/13/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/13/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 11 Batch: WG658435-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.7	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.7	--	A
Aroclor 1262	ND		ug/kg	6.37	--	A
Aroclor 1268	ND		ug/kg	6.37	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	72		30-150	B



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/24/13 17:21
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 20,23 Batch: WG661091-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.38	--	A
Aroclor 1268	ND		ug/kg	6.38	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	75		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,07,10,13,15-16,21,25,27,29 Batch: WG657826-2 WG657826-3									
Aroclor 1016	59		63		40-140	7		30	A
Aroclor 1260	40		44		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		64		30-150	A
Decachlorobiphenyl	36		38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	B
Decachlorobiphenyl	45		44		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 11 Batch: WG658435-2 WG658435-3									
Aroclor 1016	74		80		40-140	8		30	A
Aroclor 1260	53		62		40-140	16		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		88		30-150	A
Decachlorobiphenyl	56		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		93		30-150	B
Decachlorobiphenyl	61		64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 20,23 Batch: WG661091-2 WG661091-3									
Aroclor 1016	59		71		40-140	18		30	A
Aroclor 1260	52		64		40-140	21		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		66		30-150	A
Decachlorobiphenyl	50		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		74		30-150	B
Decachlorobiphenyl	57		73		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-01
Client ID: B03D (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/05/13 08:30
Date Received: 12/05/13
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	91.5		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-07
Client ID: B04D (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/05/13 09:45
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.9		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324748-10

Date Collected: 12/05/13 10:10

Client ID: B04C (0-2)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.9		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-11
Client ID: B04C (3.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/05/13 10:15
Date Received: 12/05/13
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	97.8		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-13

Date Collected: 12/05/13 10:45

Client ID: B04C (8-9)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.1		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-15
Client ID: B04B (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/05/13 12:25
Date Received: 12/05/13
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	92.1		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324748-16
Client ID: B04B (3.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/05/13 12:30
Date Received: 12/05/13
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	74.8		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324748-19

Date Collected: 12/05/13 13:00

Client ID: B04B (13)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324748-20

Date Collected: 12/05/13 13:05

Client ID: B04B (13-15)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324748-21
Client ID: B04A (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/05/13 14:00
Date Received: 12/05/13
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	95.8		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324748-23

Date Collected: 12/05/13 14:02

Client ID: B04A (8-10)

Date Received: 12/05/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324748-25
 Client ID: B04A (15.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/05/13 14:05
 Date Received: 12/05/13
 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	85.9		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS****Lab ID:** L1324748-27**Date Collected:** 12/05/13 15:15**Client ID:** B05A (0-2)**Date Received:** 12/05/13**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.0		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324748**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324748-29
Client ID: B05A (5.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/05/13 15:17
Date Received: 12/05/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	12/06/13 23:45	30,2540G	RT



Lab Duplicate Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1324748

Report Date: 12/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,07,10-11,13,15-16,21,25,27,29 QC Batch ID: WG656956-1 QC Sample: L1324640-01 Client ID: DUP Sample						
Solids, Total	87.8	87.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 19-20,23 QC Batch ID: WG660124-1 QC Sample: L1324748-19 Client ID: B04B (13)						
Solids, Total	84.1	84.8	%	1		20



Project Name: AEROVOX GEOPROBE

Lab Number: L1324748

Project Number: 39744051.10003

Report Date: 12/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/05/2013 23:41

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324748-01A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-02A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-03A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-04A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-05A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-06A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-07A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-08A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-09A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-10A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-11A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-11B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-11C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-11E	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-11F	Amber 120ml unpreserved split	A	N/A	3.9	Y	Absent	MCP-8082LL-10-3540C(365)
L1324748-12A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-13A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-13B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-13C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-13E	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-13F	Amber 120ml unpreserved split	A	N/A	3.9	Y	Absent	MCP-8082LL-10-3540C(365)
L1324748-14A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-14B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-14C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1324748

Report Date: 12/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324748-15A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-16A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-16B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-16C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-16E	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-16F	Amber 120ml unpreserved split	A	N/A	3.9	Y	Absent	MCP-8082LL-10-3540C(365)
L1324748-17A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-18A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-19A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-19B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-19C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-19D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7)
L1324748-20A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-21A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-22A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-23A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-24A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-25A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-25B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-25C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-25E	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-25F	Amber 120ml unpreserved split	A	N/A	3.9	Y	Absent	MCP-8082LL-10-3540C(365)
L1324748-26A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-27A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-28A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-29A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-29B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-29C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1324748-29E	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324748-29F	Amber 120ml unpreserved split	A	N/A	3.9	Y	Absent	MCP-8082LL-10-3540C(365)
L1324748-30A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()
L1324748-31A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE**Project Number:** 39744051.10003**Lab Number:** L1324748**Report Date:** 12/26/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324748-32A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD()

Container Comments

L1324748-19C

*Values in parentheses indicate holding time in days

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324748
Report Date: 12/26/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 1 OF 4

Date Rec'd in Lab: 12/5/13

ALPHA Job #: 21324748

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: Judy Leclair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/12/13

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

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Additional Project Information:

ANALYSIS	VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAB <input type="checkbox"/> PPI3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> PCB <input type="checkbox"/> PEST	<input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
Sample Comments									

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials
		Date	Time		
24710-01	B03D (0-2)	12.5.13	0830	S	JKH
02	B03D (3-5)		0835	S	JKH
03	B03D (8-10)		0840	S	JKH
04	B03D (13-15)		0845	S	JKH
05	B03D (18-20)		0850	S	JKH
06	B03D (23-25)		0855	S	JKH
07	B04D (0-2)		0945	S	JKH
08	B04D (3-5)		0950	S	JKH
09	B04D (6-8)		0955	S	JKH
10	B04C (0-2)		1010	S	JKH

Container Type	Preservative	Container Type	G
		Preservative	A

Relinquished By: Jeffrey K. Kucharski Date/Time: 12/5/13 15:40
Peter J. [Signature] 12-5-13 16:57

Received By: Pete [Signature] Date/Time: 12-5-13 15:40
Walter [Signature] 12/5/13 16:57

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-899-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: Judy LeClair/M. Wade
ALPHA Quote #:

Date Rec'd in Lab: 12/5/13

ALPHA Job #: L1324748

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/12/13

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 _____

Additional Project Information:

mg 12/18/13 per Judith @URS take -19 off hold run CVOC, take -20 off hold run PCB

ANALYSIS	VOC: <input checked="" type="checkbox"/> B260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOC (take from PCB)	SAMPLE INFO	TOTAL # BOTTLES
								Filtration		
								<input type="checkbox"/> Field		
								<input type="checkbox"/> Lab to do		
								Preservation		
								<input type="checkbox"/> Lab to do		
								Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	TOC	Sample Comments	TOTAL # BOTTLES
		Date	Time													
24748-11	B04C (3.5)	12.5.13	1015	S	JKH	3					1	X			CVOC	4
12	B04C (3-5)		1020	S	JKH						1				HOLD	1
13	B04C (8-9)		1045	S	JKH	3					1	X			CVOC	4
14	TB-02			TB		3										3
15	B04B (0-2)		1225	S	JKH						1					1
16	B04B (3.5)		1230	S	JKH	3					1	X			CVOC	4
17	B04B (3-5)		1235	S	JKH						1				HOLD	1
18	B04B (8-10)		1240	S	JKH						1				HOLD	1
19	B04B (13)		1300	S	JKH	3					1	X		mg 12/18/13	HOLD	4
20	B04B (13-15)		1305	S	JKH						1				HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V
Preservative D

Relinquished By: Jeffrey K. Marchion Date/Time: 12/5/13 15:40
Patricia J. Vass Date/Time: 12/5/13 16:57

Received By: Patricia J. Vass Date/Time: 12-5-13 15:40
Kyler McEllen Date/Time: 12/5/13 16:57

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FORM NO: 01-01 (rev. 12-Mar-2012)



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320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 2 OF 4

Date Rec'd in Lab: 12/5/13 ALPHA Job #: L1324748

Project Information

Project Name: *Aerovox Geoprobe*

Project Location: *New Bedford, MA*

Project #: *39744051.10003*

Project Manager: *Judy LeClair / M. Wade*

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL 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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: *12/12/13*

ANALYSIS													TOTAL # BOTTLES		
VOC: <input checked="" type="checkbox"/> 8260	<input type="checkbox"/> 824	<input type="checkbox"/> 524.2											SAMPLE INFO		
SVOC: <input type="checkbox"/> ABN		<input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13		<input type="checkbox"/> MCP 14	<input type="checkbox"/> RCP 15							Filtration		
			METALS: <input type="checkbox"/> RCRA5		<input type="checkbox"/> RCRA6							Field			
			EPH: <input type="checkbox"/> Ranges & Targets		<input type="checkbox"/> Ranges Only							Lab to do			
			VPH: <input type="checkbox"/> Ranges & Targets		<input type="checkbox"/> Ranges Only							Preservation			
			PCB: <input checked="" type="checkbox"/> PCB		<input type="checkbox"/> PEST							Lab to do			
			TPH: <input type="checkbox"/> Quant Only		<input type="checkbox"/> Fingerprint										
			TOC (take from PCB)												
Sample Comments															

Client Information

Client: *URS*

Address: *1155 Elm St, Suite 401 Manchester, NH 03101*

Phone: *(603) 606-4800*

Email: *Judith.Leclair@urs.com*

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials												Sample Comments	TOTAL # BOTTLES
		Date	Time															
<i>24748-11</i>	<i>B04C (3.5)</i>	<i>12.5.13</i>	<i>1015</i>	<i>S</i>	<i>JKH</i>	<i>3</i>					<i>1</i>	<i>X</i>					<i>CVOC</i>	<i>4</i>
<i>12</i>	<i>B04C (3-5)</i>		<i>1020</i>	<i>S</i>	<i>JKH</i>						<i>1</i>						<i>HOLD</i>	<i>1</i>
<i>13</i>	<i>B04C (8-9)</i>		<i>1045</i>	<i>S</i>	<i>JKH</i>	<i>3</i>					<i>1</i>	<i>X</i>					<i>CVOC</i>	<i>4</i>
<i>14</i>	<i>TB-02</i>			<i>TB</i>		<i>3</i>												<i>3</i>
<i>15</i>	<i>B04B (0-2)</i>		<i>1225</i>	<i>S</i>	<i>JKH</i>						<i>1</i>							<i>1</i>
<i>16</i>	<i>B04B (3.5)</i>		<i>1230</i>	<i>S</i>	<i>JKH</i>	<i>3</i>					<i>1</i>	<i>X</i>					<i>CVOC</i>	<i>4</i>
<i>17</i>	<i>B04B (3-5)</i>		<i>1235</i>	<i>S</i>	<i>JKH</i>						<i>1</i>						<i>HOLD</i>	<i>1</i>
<i>18</i>	<i>B04B (8-10)</i>		<i>1240</i>	<i>S</i>	<i>JKH</i>						<i>1</i>						<i>HOLD</i>	<i>1</i>
<i>19</i>	<i>B04B (13)</i>		<i>1300</i>	<i>S</i>	<i>JKH</i>	<i>3</i>					<i>1</i>	<i>X</i>					<i>HOLD</i>	<i>4</i>
<i>20</i>	<i>B04B (13-15)</i>		<i>1305</i>	<i>S</i>	<i>JKH</i>						<i>1</i>						<i>HOLD</i>	<i>1</i>

Container Type	Preservative	Container Type	Preservative
P = Plastic A = Amber glass V = Vial G = Glass B = Bacteria cup C = Cube O = Other E = Encore D = BOD Bottle	A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ I = Ascorbic Acid J = NH ₄ Cl K = Zn Acetate O = Other	V	D

Relinquished By: <i>Jeffrey K. Klarmann</i>	Date/Time: <i>12/5/13 1540</i>	Received By: <i>Pete K...</i>	Date/Time: <i>12-5-13 15:40</i>
<i>John J. Hayes</i>	<i>12-5-13 16:50</i>	<i>Nathan McEllen</i>	<i>12/5/13 1653</i>

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CHAIN OF CUSTODY

PAGE 3 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: Judy LeClair/M. Wade
ALPHA Quote #:

Date Rec'd in Lab: 12/5/13

ALPHA Job #: L1324748

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/12/13

Additional Project Information:

Regulatory Requirements & Project Information Requirements

Yes No MA MCP Analytical Methods Yes No CT RCP Analytical Methods
 Yes No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
 Yes No GW1 Standards (Info Required for Metals & EPH with Targets)
 Yes No NPDES RGP
 Other State /Fed Program Criteria

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	VOC: <input checked="" type="checkbox"/> 9260 <input type="checkbox"/> 624 <input type="checkbox"/> 9242	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPI3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOC (use from RB)	SAMPLE INFO	TOTAL # BOTTLES
		Date	Time													
24740-21	B04A (0-2)	12-5-13	1400	S	JKH											1
22	B04A (3-5)		1401	S	JKH										HOLD	1
23	B04A (8-10)		1402	S	JKH									mg 12-18-13	HOLD	1
24	B04A (13-15)		1403	S	JKH										HOLD	1
25	B04A (15.5)		1405	S	JKH	3						X				4
26	B04A (18-20)		1410	S	JKH										HOLD	1
27	B05A (0-2)		1515	S	JKH											1
28	B05A (3-5)		1516	S	JKH										HOLD	1
29	B05A (5.5)		1517	S	JKH	3							X			4
30	B05A (8-10)		1518	S	JKH										HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Judy LeClair
12/5/13 15:40

12/5/13 16:57

Pete Vasey
Miller

12/5/13 15:40
12/5/13 16:57

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CHAIN OF CUSTODY

PAGE 3 OF 4

8 Walkup Drive
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Tel: 508-898-9220

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Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: Judy LeClair/M. Wade
ALPHA Quote #:

Date Rec'd in Lab: 12/5/13

ALPHA Job #: L1324748

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/12/13

Additional Project Information:

Regulatory Requirements & Project Information Requirements

Yes No MA MCP Analytical Methods Yes No CT RCP Analytical Methods
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 Yes No GW1 Standards (Info Required for Metals & EPH with Targets)
 Yes No NPDES RGP
 Other State /Fed Program Criteria

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	VOC: <input checked="" type="checkbox"/> 9260 <input type="checkbox"/> 624 <input type="checkbox"/> 9242	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPI3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOC (use from RB)	SAMPLE INFO	TOTAL # BOTTLES
		Date	Time													
24740 -21	B04A(0-2)	12.5.13	1400	S	JKH											1
22	B04A(3-5)	↓	1401	S	JKH										HOLD	1
23	B04A(8-10)		1402	S	JKH										HOLD	1
24	B04A(13-15)		1403	S	JKH										HOLD	1
25	B04A(15.5)		1405	S	JKH	3							X			4
26	B04A(18-20)		1410	S	JKH										HOLD	1
27	B05A(0-2)		1515	S	JKH											1
28	B05A(3-5)		1516	S	JKH										HOLD	1
29	B05A(5.5)		1517	S	JKH	3								X		4
30	B05A(8-10)		1518	S	JKH										HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Judy LeClair
12/5/13 15:40

12/5/13 16:57

Pete Vasey
Willen Miller

12/5/13 15:40
12/5/13 16:57

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 4 OF 4

8 Walkup Drive
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Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Project Information

Project Name: Aerovox Geoprobe

Project Location: New Bedford, MA

Project #: 3974051.10003

Project Manager: Judy Leclair/m. Wade

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/12/13

Additional Project Information:

Date Rec'd in Lab: 12/5/13

ALPHA Job #: L1324748

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										SAMPLE INFO		TOTAL # BOTTLES	
VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	PCB <input checked="" type="checkbox"/>	PEST <input type="checkbox"/>	Other	Other	Filtration		Preservation
											<input type="checkbox"/> Field	<input type="checkbox"/> Lab to do	
											<input type="checkbox"/> Lab to do	<input type="checkbox"/> Lab to do	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	TPH	PCB	PEST	Other	Other	Sample Comments	TOTAL # BOTTLES	
		Date	Time																
<u>24748-31</u>	<u>B05A(13-15)</u>	<u>12-5-13</u>	<u>1519</u>	<u>S</u>	<u>JKH</u>													<u>HOLD</u>	<u>1</u>
<u>32</u>	<u>B05A(18-20)</u>	<u>12-5-13</u>	<u>1520</u>	<u>S</u>	<u>JKH</u>													<u>HOLD</u>	<u>1</u>

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	<u>G</u>
Preservative	<u>A</u>

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>12/5/13 1540</u>	<u>[Signature]</u>	<u>12-5-13 15:40</u>
<u>[Signature]</u>	<u>12-5-13 16:57</u>	<u>[Signature]</u>	<u>12/5/13 1657</u>

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/5/13

ALPHA Job #: L1324748

Project Information

Project Name: **Aerovox Geoprobe**

Project Location: **New Bedford, MA**

Project #: **39744051.10003**

Project Manager: **Judy LeClair/M. Wade**

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: **URS**

Address: **1155 Elm St, Suite 401
Manchester, NH 03101**

Phone: **(603) 606-4800**

Email: **judith.leclair@urs.com**

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: **12/12/13**

ANALYSIS		SAMPLE INFO	
VOC: <input checked="" type="checkbox"/> Benzene <input checked="" type="checkbox"/> Bz4 <input checked="" type="checkbox"/> Toluene <input checked="" type="checkbox"/> Xylol	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	TOTAL # BOTTLES
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48	<input type="checkbox"/> Field	
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Preservation	4
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOC (take from PCB)	<input type="checkbox"/> Lab to do	
Sample Comments		4	

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	Analysis	Sample Info	Sample Comments	TOTAL # BOTTLES
		Date	Time						
24748-11	B04C (3.5)	12.5.13	1015	S	JKH			CVOC	4
12	B04C (3-5)		1020	S	JKH			HOLD	1
13	B04C (8-9)		1045	S	JKH			CVOC	4
14	TB-02			TB					3
15	B04B (0-2)		1225	S	JKH				1
16	B04B (3.5)		1230	S	JKH			CVOC	4
17	B04B (3-5)		1235	S	JKH			HOLD	1
18	B04B (8-10)		1240	S	JKH			HOLD	1
19	B04B (13)		1300	S	JKH			HOLD	4
20	B04B (13-15)		1305	S	JKH			HOLD	1

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O3
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	V	G
Preservative	O	A

Relinquished By: <i>Alexander Starkman</i>	Date/Time 12/5/13 15:40	Received By: <i>Pete V...</i>	Date/Time 12-5-13 15:40
<i>Felix V...</i>	12-5-13 16:50	<i>Walter Miller</i>	12/5/13 16:57
<i>JKH</i>	12/6/13 05:00	<i>Mansfield Lab</i>	12/6/13 05:00

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: **Aerovox Geoprobe**
Project Location: **New Bedford, MA**
Project #: **39744051.10003**
Project Manager: **Judy LeClair / M. Wade**
ALPHA Quote #:

Date Rec'd in Lab: **12/5/13**

ALPHA Job #: **61324748**

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: **URS**
Address: **1155 Elm St, Suite 401
Manchester, NH 03101**
Phone: **(603) 606-4800**
Email: **judith.leclair@urs.com**

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: **12/12/13**

Additional Project Information:

ANALYSIS	SAMPLE INFO
VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	Filtration
SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	<input type="checkbox"/> Field
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> MCP 15	<input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	Preservation
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> PPT13	<input type="checkbox"/> Lab to do
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	
TOC (use from PCB)	
	TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	Sample Comments	TOTAL # BOTTLES
		Date	Time				
24748-21	B04A (0-2)	12.5.13	1400	S	JKH		1
22	B04A (3-5)	↓	1401	S	JKH	HOLD	1
23	B04A (8-10)		1402	S	JKH	HOLD	1
24	B04A (13-15)		1403	S	JKH	HOLD	1
25	B04A (15.5)		1405	S	JKH	X	4
26	B04A (18-20)		1410	S	JKH	HOLD	1
27	B05A (0-2)		1515	S	JKH		1
28	B05A (3-5)		1516	S	JKH	HOLD	1
29	B05A (5.5)		1517	S	JKH	X	4
30	B05A (8-10)		1518	S	JKH	HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Judy LeClair</i>	12/5/13 15:40	<i>Pete Vesey</i>	12/5/13 15:40
<i>Peter Vesey</i>	12/5/13 16:57	<i>Walter Miller</i>	12/5/13 16:57
<i>JKH</i>	12/6/13 05:00	<i>Mansfield Co</i>	12/6/13 05:00

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: Judy LeClair/M. Wade
ALPHA Quote #:

Date Rec'd in Lab: 12/5/13

ALPHA Job #: L1324748

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/12/13

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: <input checked="" type="checkbox"/> B260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TS	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
	<p>PCB (take from PCB)</p>										

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	TS	Sample Comments	TOTAL # BOTTLES
		Date	Time													
<u>24748-11</u>	<u>B04C (3-5)</u>	<u>12.5.13</u>	<u>1015</u>	<u>S</u>	<u>JKH</u>	<u>3</u>					<u>1</u>	<u>X</u>			<u>CVOC</u>	<u>4</u>
<u>12</u>	<u>B04C (3-5)</u>		<u>1020</u>	<u>S</u>	<u>JKH</u>						<u>1</u>				<u>HOLD</u>	<u>1</u>
<u>13</u>	<u>B04C (8-9)</u>		<u>1045</u>	<u>S</u>	<u>JKH</u>	<u>3</u>					<u>1</u>	<u>X</u>			<u>CVOC</u>	<u>4</u>
<u>14</u>	<u>TB-02</u>			<u>TB</u>		<u>3</u>										<u>3</u>
<u>15</u>	<u>B04B (0-2)</u>		<u>1225</u>	<u>S</u>	<u>JKH</u>						<u>1</u>					<u>1</u>
<u>16</u>	<u>B04B (3.5)</u>		<u>1230</u>	<u>S</u>	<u>JKH</u>	<u>3</u>					<u>1</u>	<u>X</u>			<u>CVOC</u>	<u>4</u>
<u>17</u>	<u>B04B (3-5)</u>		<u>1235</u>	<u>S</u>	<u>JKH</u>						<u>1</u>				<u>HOLD</u>	<u>1</u>
<u>18</u>	<u>B04B (8-10)</u>		<u>1240</u>	<u>S</u>	<u>JKH</u>						<u>1</u>				<u>HOLD</u>	<u>1</u>
<u>19</u>	<u>B04B (13)</u>		<u>1300</u>	<u>S</u>	<u>JKH</u>	<u>3</u>					<u>1</u>	<u>X</u>			<u>HOLD</u>	<u>4</u>
<u>20</u>	<u>B04B (13-15)</u>		<u>1305</u>	<u>S</u>	<u>JKH</u>						<u>1</u>				<u>HOLD</u>	<u>1</u>

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	<u>V</u>										<u>G</u>					
Preservative	<u>O</u>										<u>A</u>					

Relinquished By: Jeffrey K. Marchion Date/Time: 12/5/13 15:40
Patricia J. Vass Date/Time: 12/5/13 16:50

Received By: Patricia J. Vass Date/Time: 12-5-13 15:40
Kyler McEllen Date/Time: 12/5/13 16:53

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: Judy LeClair/M. Wade
ALPHA Quote #:

Date Rec'd in Lab: 12/5/13

ALPHA Job #: L1324748

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/12/13

Additional Project Information:

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: <input checked="" type="checkbox"/> 9260 <input type="checkbox"/> 624 <input type="checkbox"/> 9242	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPI3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TS	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
	Foc (use from RB)							Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	TS	SAMPLE INFO	TOTAL # BOTTLES
		Date	Time													
24740 -21	B04A(0-2)	12.5.13	1400	S	JKH											1
22	B04A(3-5)	↓	1401	S	JKH										HOLD	1
23	B04A(8-10)		1402	S	JKH										HOLD	1
24	B04A(13-15)		1403	S	JKH										HOLD	1
25	B04A(15.5)		1405	S	JKH	3							X			4
26	B04A(18-20)		1410	S	JKH										HOLD	1
27	B05A(0-2)		1515	S	JKH											1
28	B05A(3-5)		1516	S	JKH										HOLD	1
29	B05A(5.5)		1517	S	JKH	3								X		4
30	B05A(8-10)		1518	S	JKH										HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Judy LeClair
12/5/13 15:40

12/5/13 16:57

Pete Vasey
Miller

12/5/13 15:40
12/5/13 16:57

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 4

Date Rec'd in Lab: 12/5/13 ALPHA Job #: L1324748

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: **Aerovox Geoprobe**
Project Location: **New Bedford, MA**
Project #: **39744051.10003**
Project Manager: **Judy LeClair / M. Wade**
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: **URS**
Address: **1155 Elm St, Suite 401
Manchester, NH 03101**
Phone: **(603) 606-4800**
Email: **judith.leclair@urs.com**

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: **12/12/13**

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> BZ4 <input checked="" type="checkbox"/> BZ4-2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	PP13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TOC	Quant Only <input type="checkbox"/> Fingerprint	TOC (take from PCB)	SAMPLE INFO	TOTAL # BOTTLES
											Filtration	
											<input type="checkbox"/> Field	
											<input type="checkbox"/> Lab to do	
											Preservation	
											<input type="checkbox"/> Lab to do	
											Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	TPH	TOC	Sample Comments	TOTAL # BOTTLES
		Date	Time												
24748-11	B04C (3.5)	12.5.13	1015	S	JKH									CVOC	4
12	B04C (3-5)		1020	S	JKH									HOLD	1
13	B04C (8-9)		1045	S	JKH									CVOC	4
14	TB-02			TB											3
15	B04B (0-2)		1225	S	JKH										1
16	B04B (3.5)		1230	S	JKH								X	CVOC	4
17	B04B (3-5)		1235	S	JKH									HOLD	1
18	B04B (8-10)		1240	S	JKH									HOLD	1
19	B04B (13)		1300	S	JKH								X	HOLD	4
20	B04B (13-15)		1305	S	JKH									HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type **V**
Preservative **O**

Relinquished By: <i>Jeffrey K. Starchman</i>	Date/Time: 12/5/13 15:40	Received By: <i>Pete V. [unclear]</i>	Date/Time: 12-5-13 15:40
<i>Felix [unclear]</i>	12-5-13 16:50	<i>Walter [unclear]</i>	12/5/13 16:57
<i>[unclear]</i>	12/6/13 05:00	<i>Manaheld lab</i>	12/6/13 05:00

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 4

8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
 320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
 Project Location: New Bedford, MA
 Project #: 39744051.10003
 Project Manager: Judy LeClair / M. Wade
 ALPHA Quote #:

Date Rec'd in Lab: 12/5/13

ALPHA Job #: 61324748

Client Information

Client: URS
 Address: 1155 Elm St, Suite 401
Manchester, NH 03101
 Phone: (603) 606-4800
 Email: judith.leclair@urs.com

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/12/13

ANALYSIS	SAMPLE INFO
VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 5242	Filtration
SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	<input type="checkbox"/> Field
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	Preservation
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> PPT13	<input type="checkbox"/> Lab to do
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	
TS	
USE (use from RB)	
TOTAL # BOTTLES	

ALPHA Lab ID (Lab Use Only)

Sample ID

Collection

Date

Time

Sample Matrix

Sampler Initials

Sample Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	Sample Comments	TOTAL # BOTTLES	
24748-21	B04A (0-2)	12.5.13	1400	S	JKH		1	
22	B04A (3-5)	↓	1401	S	JKH	HOLD	1	
23	B04A (8-10)		1402	S	JKH	HOLD	1	
24	B04A (13-15)		1403	S	JKH	HOLD	1	
25	B04A (15.5)		1405	S	JKH	X	4	
26	B04A (18-20)		1410	S	JKH		HOLD	1
27	B05A (0-2)		1515	S	JKH		1	
28	B05A (3-5)		1516	S	JKH		HOLD	1
29	B05A (5.5)		1517	S	JKH	X	4	
30	B05A (8-10)		1518	S	JKH		HOLD	1

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₃
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Judy LeClair
12/5/13 15:40

12/5/13 16:57
12/6/13 05:00

Pete Vesey
Walter Miller
Manfred Lee

12/5/13 15:40
12/5/13 16:57
12/6/13 05:00

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1324834
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/26/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1324834-01	B05D (0-2)	NEW BEDFORD,MA	12/06/13 08:25
L1324834-02	B05D (3-5)	NEW BEDFORD,MA	12/06/13 08:26
L1324834-03	B05D (8-10)	NEW BEDFORD,MA	12/06/13 08:27
L1324834-04	B05D (13-15)	NEW BEDFORD,MA	12/06/13 08:28
L1324834-05	B05D (18-20)	NEW BEDFORD,MA	12/06/13 08:29
L1324834-06	B05D (23-25)	NEW BEDFORD,MA	12/06/13 08:30
L1324834-07	B05C (0-2)	NEW BEDFORD,MA	12/06/13 09:45
L1324834-08	B05C (3-5)	NEW BEDFORD,MA	12/06/13 09:46
L1324834-09	B05C (8-10)	NEW BEDFORD,MA	12/06/13 09:47
L1324834-10	B05C (13-15)	NEW BEDFORD,MA	12/06/13 09:48
L1324834-11	B05C (18-20)	NEW BEDFORD,MA	12/06/13 09:49
L1324834-12	B05C (21-23)	NEW BEDFORD,MA	12/06/13 09:50
L1324834-13	B05B (0-2)	NEW BEDFORD,MA	12/06/13 12:00
L1324834-14	B05B (3-5)	NEW BEDFORD,MA	12/06/13 12:05
L1324834-15	B05B (8-10)	NEW BEDFORD,MA	12/06/13 12:10
L1324834-16	B05B (13-15)	NEW BEDFORD,MA	12/06/13 12:12
L1324834-17	B05B (15-17)	NEW BEDFORD,MA	12/06/13 12:15
L1324834-18	DUP-01	NEW BEDFORD,MA	12/06/13 12:20
L1324834-19	TB-03	NEW BEDFORD,MA	12/06/13 00:00
L1324834-20	B06D (0-2)	NEW BEDFORD,MA	12/06/13 13:20
L1324834-21	B06D (3-5)	NEW BEDFORD,MA	12/06/13 13:22
L1324834-22	B06D (8-10)	NEW BEDFORD,MA	12/06/13 13:24
L1324834-23	B06D (13-15)	NEW BEDFORD,MA	12/06/13 13:26
L1324834-24	B06D (16)	NEW BEDFORD,MA	12/06/13 13:30
L1324834-25	B06D (18-20)	NEW BEDFORD,MA	12/06/13 13:22
L1324834-26	B06D (22-24)	NEW BEDFORD,MA	12/06/13 13:24

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued December 13, 2013, and includes the results of the PCB analysis on samples L1324834-08, -10, and -15.

MCP Related Narratives

Volatile Organics

In reference to question G:

L1324834-12, -17, -18, -19 and -24: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1324834-12, -17, -18, -19 and -24, utilized a quadratic fit for chloroethane.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

L1324834-07 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in the sample.

L1324834-13 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

In reference to question G:

L1324834-07 and -20 : One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1324834-07 and -20 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:  Cynthia McQueen

Title: Technical Director/Representative

Date: 12/26/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-12
Client ID: B05C (21-23)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/13/13 04:50
Analyst: PP
Percent Solids: 88%

Date Collected: 12/06/13 09:50
Date Received: 12/06/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	900	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	140	--	1
Carbon tetrachloride	ND		ug/kg	90	--	1
1,2-Dichloropropane	ND		ug/kg	320	--	1
Dibromochloromethane	ND		ug/kg	90	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	90	--	1
Chlorobenzene	ND		ug/kg	90	--	1
1,2-Dichloroethane	ND		ug/kg	90	--	1
1,1,1-Trichloroethane	ND		ug/kg	90	--	1
Bromodichloromethane	ND		ug/kg	90	--	1
trans-1,3-Dichloropropene	ND		ug/kg	90	--	1
cis-1,3-Dichloropropene	ND		ug/kg	90	--	1
Bromoform	ND		ug/kg	360	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	90	--	1
Chloromethane	ND		ug/kg	360	--	1
Vinyl chloride	ND		ug/kg	180	--	1
Chloroethane	ND		ug/kg	180	--	1
1,1-Dichloroethene	ND		ug/kg	90	--	1
trans-1,2-Dichloroethene	ND		ug/kg	140	--	1
Trichloroethene	2400		ug/kg	90	--	1
1,2-Dichlorobenzene	ND		ug/kg	360	--	1
1,3-Dichlorobenzene	ND		ug/kg	360	--	1
1,4-Dichlorobenzene	ND		ug/kg	360	--	1
cis-1,2-Dichloroethene	ND		ug/kg	90	--	1
Dichlorodifluoromethane	ND		ug/kg	900	--	1
1,2-Dibromoethane	ND		ug/kg	360	--	1
1,3-Dichloropropane	ND		ug/kg	360	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	90	--	1
o-Chlorotoluene	ND		ug/kg	360	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-12
 Client ID: B05C (21-23)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/06/13 09:50
 Date Received: 12/06/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	360	--	1
Hexachlorobutadiene	ND		ug/kg	360	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-17
Client ID: B05B (15-17)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/13/13 05:18
Analyst: PP
Percent Solids: 88%

Date Collected: 12/06/13 12:15
Date Received: 12/06/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	620	--	1
1,1-Dichloroethane	ND		ug/kg	94	--	1
Chloroform	ND		ug/kg	94	--	1
Carbon tetrachloride	ND		ug/kg	62	--	1
1,2-Dichloropropane	ND		ug/kg	220	--	1
Dibromochloromethane	ND		ug/kg	62	--	1
1,1,2-Trichloroethane	ND		ug/kg	94	--	1
Tetrachloroethene	ND		ug/kg	62	--	1
Chlorobenzene	ND		ug/kg	62	--	1
1,2-Dichloroethane	ND		ug/kg	62	--	1
1,1,1-Trichloroethane	ND		ug/kg	62	--	1
Bromodichloromethane	ND		ug/kg	62	--	1
trans-1,3-Dichloropropene	ND		ug/kg	62	--	1
cis-1,3-Dichloropropene	ND		ug/kg	62	--	1
Bromoform	ND		ug/kg	250	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	62	--	1
Chloromethane	ND		ug/kg	250	--	1
Vinyl chloride	ND		ug/kg	120	--	1
Chloroethane	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	62	--	1
trans-1,2-Dichloroethene	ND		ug/kg	94	--	1
Trichloroethene	240		ug/kg	62	--	1
1,2-Dichlorobenzene	ND		ug/kg	250	--	1
1,3-Dichlorobenzene	ND		ug/kg	250	--	1
1,4-Dichlorobenzene	ND		ug/kg	250	--	1
cis-1,2-Dichloroethene	1400		ug/kg	62	--	1
Dichlorodifluoromethane	ND		ug/kg	620	--	1
1,2-Dibromoethane	ND		ug/kg	250	--	1
1,3-Dichloropropane	ND		ug/kg	250	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	62	--	1
o-Chlorotoluene	ND		ug/kg	250	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-17
 Client ID: B05B (15-17)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/06/13 12:15
 Date Received: 12/06/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	250	--	1
Hexachlorobutadiene	ND		ug/kg	250	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-18
Client ID: DUP-01
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/13/13 05:46
Analyst: PP
Percent Solids: 85%

Date Collected: 12/06/13 12:20
Date Received: 12/06/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	720	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	72	--	1
1,2-Dichloropropane	ND		ug/kg	250	--	1
Dibromochloromethane	ND		ug/kg	72	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	72	--	1
Chlorobenzene	ND		ug/kg	72	--	1
1,2-Dichloroethane	ND		ug/kg	72	--	1
1,1,1-Trichloroethane	ND		ug/kg	72	--	1
Bromodichloromethane	ND		ug/kg	72	--	1
trans-1,3-Dichloropropene	ND		ug/kg	72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	72	--	1
Bromoform	ND		ug/kg	290	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	72	--	1
Chloromethane	ND		ug/kg	290	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	140	--	1
1,1-Dichloroethene	ND		ug/kg	72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	280		ug/kg	72	--	1
1,2-Dichlorobenzene	ND		ug/kg	290	--	1
1,3-Dichlorobenzene	ND		ug/kg	290	--	1
1,4-Dichlorobenzene	ND		ug/kg	290	--	1
cis-1,2-Dichloroethene	1500		ug/kg	72	--	1
Dichlorodifluoromethane	ND		ug/kg	720	--	1
1,2-Dibromoethane	ND		ug/kg	290	--	1
1,3-Dichloropropane	ND		ug/kg	290	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	72	--	1
o-Chlorotoluene	ND		ug/kg	290	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-18
 Client ID: DUP-01
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/06/13 12:20
 Date Received: 12/06/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	290	--	1
Hexachlorobutadiene	ND		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	290	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-19
Client ID: TB-03
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/13/13 06:15
Analyst: PP
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/06/13 00:00
Date Received: 12/06/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-19
 Client ID: TB-03
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/06/13 00:00
 Date Received: 12/06/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-24
Client ID: B06D (16)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/13/13 06:43
Analyst: PP
Percent Solids: 83%

Date Collected: 12/06/13 13:30
Date Received: 12/06/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	490	--	1
1,1-Dichloroethane	ND		ug/kg	73	--	1
Chloroform	ND		ug/kg	73	--	1
Carbon tetrachloride	ND		ug/kg	49	--	1
1,2-Dichloropropane	ND		ug/kg	170	--	1
Dibromochloromethane	ND		ug/kg	49	--	1
1,1,2-Trichloroethane	ND		ug/kg	73	--	1
Tetrachloroethene	ND		ug/kg	49	--	1
Chlorobenzene	ND		ug/kg	49	--	1
1,2-Dichloroethane	ND		ug/kg	49	--	1
1,1,1-Trichloroethane	ND		ug/kg	49	--	1
Bromodichloromethane	ND		ug/kg	49	--	1
trans-1,3-Dichloropropene	ND		ug/kg	49	--	1
cis-1,3-Dichloropropene	ND		ug/kg	49	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	49	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	98	--	1
Chloroethane	ND		ug/kg	98	--	1
1,1-Dichloroethene	ND		ug/kg	49	--	1
trans-1,2-Dichloroethene	ND		ug/kg	73	--	1
Trichloroethene	390		ug/kg	49	--	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
cis-1,2-Dichloroethene	1400		ug/kg	49	--	1
Dichlorodifluoromethane	ND		ug/kg	490	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	49	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-24
 Client ID: B06D (16)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/06/13 13:30
 Date Received: 12/06/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/12/13 22:43
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 12,17-19,24 Batch: WG658787-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/12/13 22:43
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 12,17-19,24 Batch: WG658787-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/12/13 22:43
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 12,17-19,24 Batch: WG658787-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 12,17-19,24 Batch: WG658787-1 WG658787-2								
Methylene chloride	102		99		70-130	3		20
1,1-Dichloroethane	101		98		70-130	3		20
Chloroform	101		98		70-130	3		20
Carbon tetrachloride	95		92		70-130	3		20
1,2-Dichloropropane	105		102		70-130	3		20
Dibromochloromethane	87		86		70-130	1		20
1,1,2-Trichloroethane	92		90		70-130	2		20
Tetrachloroethene	88		84		70-130	5		20
Chlorobenzene	89		85		70-130	5		20
Trichlorofluoromethane	102		98		70-130	4		20
1,2-Dichloroethane	95		94		70-130	1		20
1,1,1-Trichloroethane	96		93		70-130	3		20
Bromodichloromethane	100		97		70-130	3		20
trans-1,3-Dichloropropene	89		86		70-130	3		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
1,1-Dichloropropene	102		98		70-130	4		20
Bromoform	82		82		70-130	0		20
1,1,2,2-Tetrachloroethane	81		81		70-130	0		20
Benzene	96		92		70-130	4		20
Toluene	86		82		70-130	5		20
Ethylbenzene	86		82		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 12,17-19,24 Batch: WG658787-1 WG658787-2								
Chloromethane	106		100		70-130	6		20
Bromomethane	156	Q	142	Q	70-130	9		20
Vinyl chloride	110		105		70-130	5		20
Chloroethane	97		91		70-130	6		20
1,1-Dichloroethene	101		98		70-130	3		20
trans-1,2-Dichloroethene	101		98		70-130	3		20
Trichloroethene	98		94		70-130	4		20
1,2-Dichlorobenzene	84		82		70-130	2		20
1,3-Dichlorobenzene	86		81		70-130	6		20
1,4-Dichlorobenzene	84		82		70-130	2		20
Methyl tert butyl ether	101		100		70-130	1		20
p/m-Xylene	86		81		70-130	6		20
o-Xylene	88		84		70-130	5		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Dibromomethane	101		99		70-130	2		20
1,2,3-Trichloropropane	77		78		70-130	1		20
Styrene	91		87		70-130	4		20
Dichlorodifluoromethane	102		97		70-130	5		20
Acetone	83		82		70-130	1		20
Carbon disulfide	101		96		70-130	5		20
Methyl ethyl ketone	83		83		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 12,17-19,24 Batch: WG658787-1 WG658787-2								
Methyl isobutyl ketone	91		96		70-130	5		20
2-Hexanone	73		75		70-130	3		20
Bromochloromethane	104		102		70-130	2		20
Tetrahydrofuran	81		83		70-130	2		20
2,2-Dichloropropane	106		100		70-130	6		20
1,2-Dibromoethane	90		90		70-130	0		20
1,3-Dichloropropane	88		87		70-130	1		20
1,1,1,2-Tetrachloroethane	90		86		70-130	5		20
Bromobenzene	85		82		70-130	4		20
n-Butylbenzene	86		81		70-130	6		20
sec-Butylbenzene	84		79		70-130	6		20
tert-Butylbenzene	88		83		70-130	6		20
o-Chlorotoluene	86		82		70-130	5		20
p-Chlorotoluene	84		81		70-130	4		20
1,2-Dibromo-3-chloropropane	82		80		70-130	2		20
Hexachlorobutadiene	85		82		70-130	4		20
Isopropylbenzene	83		79		70-130	5		20
p-Isopropyltoluene	89		84		70-130	6		20
Naphthalene	83		84		70-130	1		20
n-Propylbenzene	84		80		70-130	5		20
1,2,3-Trichlorobenzene	84		83		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 12,17-19,24 Batch: WG658787-1 WG658787-2								
1,2,4-Trichlorobenzene	88		84		70-130	5		20
1,3,5-Trimethylbenzene	84		80		70-130	5		20
1,2,4-Trimethylbenzene	86		81		70-130	6		20
Diethyl ether	108		105		70-130	3		20
Diisopropyl Ether	93		90		70-130	3		20
Ethyl-Tert-Butyl-Ether	103		101		70-130	2		20
Tertiary-Amyl Methyl Ether	102		100		70-130	2		20
1,4-Dioxane	102		100		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	101		103		70-130



PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-01
Client ID: B05D (0-2)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/11/13 20:29
Analyst: KB
Percent Solids: 92%

Date Collected: 12/06/13 08:25
Date Received: 12/06/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/09/13 09:19
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.6	--	1	A
Aroclor 1221	ND		ug/kg	20.6	--	1	A
Aroclor 1232	ND		ug/kg	20.6	--	1	A
Aroclor 1242	ND		ug/kg	20.6	--	1	A
Aroclor 1248	ND		ug/kg	13.8	--	1	A
Aroclor 1254	ND		ug/kg	20.6	--	1	A
Aroclor 1260	ND		ug/kg	13.8	--	1	A
Aroclor 1262	ND		ug/kg	6.88	--	1	A
Aroclor 1268	ND		ug/kg	6.88	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-07 D
 Client ID: B05C (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 13:36
 Analyst: KB
 Percent Solids: 92%

Date Collected: 12/06/13 09:45
 Date Received: 12/06/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/09/13 09:19
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/10/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	4180	--	200	A
Aroclor 1221	ND		ug/kg	4180	--	200	A
Aroclor 1232	ND		ug/kg	4180	--	200	A
Aroclor 1242	ND		ug/kg	4180	--	200	A
Aroclor 1248	ND		ug/kg	2780	--	200	A
Aroclor 1254	26600		ug/kg	4180	--	200	B
Aroclor 1260	ND		ug/kg	2780	--	200	A
Aroclor 1262	ND		ug/kg	1390	--	200	A
Aroclor 1268	ND		ug/kg	1390	--	200	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-08
Client ID: B05C (3-5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/26/13 11:27
Analyst: JW
Percent Solids: 96%

Date Collected: 12/06/13 09:46
Date Received: 12/06/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/24/13 11:47
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/25/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	19.6	--	1	A
Aroclor 1221	ND		ug/kg	19.6	--	1	A
Aroclor 1232	ND		ug/kg	19.6	--	1	A
Aroclor 1242	ND		ug/kg	19.6	--	1	A
Aroclor 1248	ND		ug/kg	13.1	--	1	A
Aroclor 1254	ND		ug/kg	19.6	--	1	A
Aroclor 1260	ND		ug/kg	13.1	--	1	A
Aroclor 1262	ND		ug/kg	6.55	--	1	A
Aroclor 1268	ND		ug/kg	6.55	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-10
 Client ID: B05C (13-15)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/24/13 14:17
 Analyst: JW
 Percent Solids: 85%

Date Collected: 12/06/13 09:48
 Date Received: 12/06/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.5	--	1	A
Aroclor 1221	ND		ug/kg	23.5	--	1	A
Aroclor 1232	ND		ug/kg	23.5	--	1	A
Aroclor 1242	ND		ug/kg	23.5	--	1	A
Aroclor 1248	ND		ug/kg	15.6	--	1	A
Aroclor 1254	ND		ug/kg	23.5	--	1	A
Aroclor 1260	ND		ug/kg	15.6	--	1	A
Aroclor 1262	ND		ug/kg	7.82	--	1	A
Aroclor 1268	ND		ug/kg	7.82	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-12
Client ID: B05C (21-23)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/11/13 20:55
Analyst: KB
Percent Solids: 88%

Date Collected: 12/06/13 09:50
Date Received: 12/06/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/09/13 09:19
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.7	--	1	A
Aroclor 1221	ND		ug/kg	21.7	--	1	A
Aroclor 1232	ND		ug/kg	21.7	--	1	A
Aroclor 1242	ND		ug/kg	21.7	--	1	A
Aroclor 1248	ND		ug/kg	14.5	--	1	A
Aroclor 1254	ND		ug/kg	21.7	--	1	A
Aroclor 1260	ND		ug/kg	14.5	--	1	A
Aroclor 1262	ND		ug/kg	7.24	--	1	A
Aroclor 1268	ND		ug/kg	7.24	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-13
Client ID: B05B (0-2)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/11/13 21:08
Analyst: KB
Percent Solids: 85%

Date Collected: 12/06/13 12:00
Date Received: 12/06/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/09/13 09:19
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.2	--	2	A
Aroclor 1221	ND		ug/kg	47.2	--	2	A
Aroclor 1232	ND		ug/kg	47.2	--	2	A
Aroclor 1242	ND		ug/kg	47.2	--	2	A
Aroclor 1248	ND		ug/kg	31.5	--	2	A
Aroclor 1254	1020		ug/kg	47.2	--	2	B
Aroclor 1260	425		ug/kg	31.5	--	2	B
Aroclor 1262	ND		ug/kg	15.7	--	2	A
Aroclor 1268	ND		ug/kg	15.7	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-15
Client ID: B05B (8-10)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 14:29
Analyst: JW
Percent Solids: 28%

Date Collected: 12/06/13 12:10
Date Received: 12/06/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 15:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	70.5	--	1	A
Aroclor 1221	ND		ug/kg	70.5	--	1	A
Aroclor 1232	ND		ug/kg	70.5	--	1	A
Aroclor 1242	ND		ug/kg	70.5	--	1	A
Aroclor 1248	ND		ug/kg	47.0	--	1	A
Aroclor 1254	ND		ug/kg	70.5	--	1	A
Aroclor 1260	ND		ug/kg	47.0	--	1	A
Aroclor 1262	ND		ug/kg	23.5	--	1	A
Aroclor 1268	ND		ug/kg	23.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	37		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-17
Client ID: B05B (15-17)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/11/13 22:41
Analyst: KB
Percent Solids: 88%

Date Collected: 12/06/13 12:15
Date Received: 12/06/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/09/13 09:19
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.6	--	1	A
Aroclor 1221	ND		ug/kg	21.6	--	1	A
Aroclor 1232	ND		ug/kg	21.6	--	1	A
Aroclor 1242	ND		ug/kg	21.6	--	1	A
Aroclor 1248	ND		ug/kg	14.4	--	1	A
Aroclor 1254	ND		ug/kg	21.6	--	1	A
Aroclor 1260	ND		ug/kg	14.4	--	1	A
Aroclor 1262	ND		ug/kg	7.19	--	1	A
Aroclor 1268	ND		ug/kg	7.19	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-18
 Client ID: DUP-01
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/10/13 15:02
 Analyst: KB
 Percent Solids: 85%

Date Collected: 12/06/13 12:20
 Date Received: 12/06/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/09/13 12:59
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/10/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.2	--	1	A
Aroclor 1221	ND		ug/kg	23.2	--	1	A
Aroclor 1232	ND		ug/kg	23.2	--	1	A
Aroclor 1242	ND		ug/kg	23.2	--	1	A
Aroclor 1248	ND		ug/kg	15.5	--	1	A
Aroclor 1254	ND		ug/kg	23.2	--	1	A
Aroclor 1260	ND		ug/kg	15.5	--	1	A
Aroclor 1262	ND		ug/kg	7.74	--	1	A
Aroclor 1268	ND		ug/kg	7.74	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-20 D
 Client ID: B06D (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 13:49
 Analyst: KB
 Percent Solids: 95%

Date Collected: 12/06/13 13:20
 Date Received: 12/06/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/09/13 09:19
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/10/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	203	--	10	A
Aroclor 1221	ND		ug/kg	203	--	10	A
Aroclor 1232	ND		ug/kg	203	--	10	A
Aroclor 1242	ND		ug/kg	203	--	10	A
Aroclor 1248	ND		ug/kg	135	--	10	A
Aroclor 1254	1590		ug/kg	203	--	10	B
Aroclor 1260	ND		ug/kg	135	--	10	A
Aroclor 1262	ND		ug/kg	67.7	--	10	A
Aroclor 1268	ND		ug/kg	67.7	--	10	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-24
Client ID: B06D (16)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/11/13 23:07
Analyst: KB
Percent Solids: 83%

Date Collected: 12/06/13 13:30
Date Received: 12/06/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/09/13 09:19
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.8	--	1	A
Aroclor 1221	ND		ug/kg	23.8	--	1	A
Aroclor 1232	ND		ug/kg	23.8	--	1	A
Aroclor 1242	ND		ug/kg	23.8	--	1	A
Aroclor 1248	ND		ug/kg	15.9	--	1	A
Aroclor 1254	ND		ug/kg	23.8	--	1	A
Aroclor 1260	ND		ug/kg	15.9	--	1	A
Aroclor 1262	ND		ug/kg	7.94	--	1	A
Aroclor 1268	ND		ug/kg	7.94	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/11/13 21:21
 Analyst: KB

Extraction Method: EPA 3540C
 Extraction Date: 12/09/13 09:19
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/10/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,07,12-13,17,20,24 Batch: WG657283-1						
Aroclor 1016	ND		ug/kg	19.9	--	A
Aroclor 1221	ND		ug/kg	19.9	--	A
Aroclor 1232	ND		ug/kg	19.9	--	A
Aroclor 1242	ND		ug/kg	19.9	--	A
Aroclor 1248	ND		ug/kg	13.3	--	A
Aroclor 1254	ND		ug/kg	19.9	--	A
Aroclor 1260	ND		ug/kg	13.3	--	A
Aroclor 1262	ND		ug/kg	6.64	--	A
Aroclor 1268	ND		ug/kg	6.64	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	79		30-150	B



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
Analytical Date: 12/10/13 15:17
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 12/09/13 12:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/10/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/10/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 18 Batch: WG657366-1						
Aroclor 1016	ND		ug/kg	19.3	--	A
Aroclor 1221	ND		ug/kg	19.3	--	A
Aroclor 1232	ND		ug/kg	19.3	--	A
Aroclor 1242	ND		ug/kg	19.3	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.3	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.43	--	A
Aroclor 1268	ND		ug/kg	6.43	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/24/13 17:21
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 10,15 Batch: WG661091-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.38	--	A
Aroclor 1268	ND		ug/kg	6.38	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	75		30-150	B



Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/26/13 11:40
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/24/13 11:47
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/25/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/25/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 08 Batch: WG661347-1						
Aroclor 1016	ND		ug/kg	19.0	--	A
Aroclor 1221	ND		ug/kg	19.0	--	A
Aroclor 1232	ND		ug/kg	19.0	--	A
Aroclor 1242	ND		ug/kg	19.0	--	A
Aroclor 1248	ND		ug/kg	12.6	--	A
Aroclor 1254	ND		ug/kg	19.0	--	A
Aroclor 1260	ND		ug/kg	12.6	--	A
Aroclor 1262	ND		ug/kg	6.32	--	A
Aroclor 1268	ND		ug/kg	6.32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	77		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,07,12-13,17,20,24 Batch: WG657283-2 WG657283-3									
Aroclor 1016	111		109		40-140	2		30	A
Aroclor 1260	99		108		40-140	9		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		72		30-150	A
Decachlorobiphenyl	68		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		67		30-150	B
Decachlorobiphenyl	85		116		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 18 Batch: WG657366-2 WG657366-3									
Aroclor 1016	81		81		40-140	0		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	81		79		30-150	A
Decachlorobiphenyl	67		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		90		30-150	B
Decachlorobiphenyl	74		69		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 10,15 Batch: WG661091-2 WG661091-3									
Aroclor 1016	59		71		40-140	18		30	A
Aroclor 1260	52		64		40-140	21		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		66		30-150	A
Decachlorobiphenyl	50		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		74		30-150	B
Decachlorobiphenyl	57		73		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 08 Batch: WG661347-2 WG661347-3									
Aroclor 1016	57		61		40-140	7		30	A
Aroclor 1260	60		64		40-140	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		64		30-150	A
Decachlorobiphenyl	60		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		61		30-150	B
Decachlorobiphenyl	69		88		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324834-01
 Client ID: B05D (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/06/13 08:25
 Date Received: 12/06/13
 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	91.7		%	0.100	NA	1	-	12/09/13 22:42	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324834-07
 Client ID: B05C (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/06/13 09:45
 Date Received: 12/06/13
 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	91.6		%	0.100	NA	1	-	12/09/13 22:42	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324834-08
 Client ID: B05C (3-5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/06/13 09:46
 Date Received: 12/06/13
 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	96.4		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-10
Client ID: B05C (13-15)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/06/13 09:48
Date Received: 12/06/13
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	85.2		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-12
Client ID: B05C (21-23)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/06/13 09:50
Date Received: 12/06/13
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	88.1		%	0.100	NA	1	-	12/09/13 22:42	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324834-13
 Client ID: B05B (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/06/13 12:00
 Date Received: 12/06/13
 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	84.6		%	0.100	NA	1	-	12/09/13 22:42	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324834-15
 Client ID: B05B (8-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/06/13 12:10
 Date Received: 12/06/13
 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	27.6		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324834**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324834-17
Client ID: B05B (15-17)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/06/13 12:15
Date Received: 12/06/13
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	87.8		%	0.100	NA	1	-	12/09/13 22:42	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324834-18
 Client ID: DUP-01
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/06/13 12:20
 Date Received: 12/06/13
 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	84.8		%	0.100	NA	1	-	12/09/13 22:42	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324834-20
 Client ID: B06D (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/06/13 13:20
 Date Received: 12/06/13
 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	94.5		%	0.100	NA	1	-	12/09/13 22:42	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324834-24
 Client ID: B06D (16)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/06/13 13:30
 Date Received: 12/06/13
 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	82.6		%	0.100	NA	1	-	12/09/13 22:42	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,07,12-13,17-18,20,24 QC Batch ID: WG657534-1 QC Sample: L1324419-02 Client ID: DUP Sample						
Solids, Total	79.8	80.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 08,10,15 QC Batch ID: WG660124-1 QC Sample: L1324748-19 Client ID: DUP Sample						
Solids, Total	84.1	84.8	%	1		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1324834

Project Number: 39744051.10003

Report Date: 12/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/06/2013 23:20

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324834-01A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-02A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-03A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-04A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-05A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-06A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-07A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-08A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-09A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-10A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-11A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-12A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-12B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-12C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-12D	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-13A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-14A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-15A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-16A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-17A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-17B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-17C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-17D	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1324834

Report Date: 12/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324834-18A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-18B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-18C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-18D	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-19A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-19B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-19C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-20A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-21A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-22A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-23A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-24A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-24B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-24C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1324834-24D	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324834-25A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1324834-26A	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()

Container Comments

L1324834-10A

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324834
Report Date: 12/26/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 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 VIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/6/13

ALPHA Job #: U324834

Project Information

Project Name: *Aerovox Geoprobe*
Project Location: *New Bedford, MA*
Project #: *39744051, 10003*
Project Manager: *Judy LeClair/M. Wade*
ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: *URS*
Address: *1155 Elm St, Suite 401
Manchester, NH 03101*
Phone: *(603) 606-4800*
Email: *judith.leclair@urs.com*

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: *12/13/13*

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 _____

Additional Project Information:

ANALYSIS	VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO	TOTAL # BOTTLES
									Filtration	
									<input type="checkbox"/> Field	
									<input type="checkbox"/> Lab to do	
									Preservation	
									<input type="checkbox"/> Lab to do	
									Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time													
24854-01	B05D (0-2)	12.6.13	0825	S	JKH											1
02	B05D (3-5)		0826	S	JKH									HOLD		1
03	B05D (8-10)		0827	S	JKH									HOLD		1
04	B05D (13-15)		0828	S	JKH									HOLD		1
05	B05D (18-20)		0829	S	JKH									HOLD		1
06	B05D (23-25)		0830	S	JKH									HOLD		1
07	B05C (0-2)		0945	S	JKH											1
08	B05C (3-5)		0946	S	JKH								mg 12-18-13	HOLD		1
09	B05C (8-10)		0947	S	JKH									HOLD		1
10	B05C (13-15)		0948	S	JKH								mg 12-18-13	HOLD		1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type: G
Preservative: A

Relinquished By: <i>Judy LeClair</i>	Date/Time: <i>12/6/13 1430</i>	Received By: <i>[Signature]</i>	Date/Time: <i>12/6/13 1430</i>
<i>[Signature]</i>	<i>12/6/13 1715</i>	<i>[Signature]</i>	<i>12/6/13 1715</i>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/6/13 ALPHA Job #: U324834

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051, 10003
Project Manager: Judy LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: 12/13/13

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 _____

Additional Project Information:

ANALYSIS	VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	TOTAL # BOTTLES
	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS8	SAMPLE INFO
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	
PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do
	Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	Analysis	Sample Comments	TOTAL # BOTTLES
		Date	Time					
24854-01	B05D (0-2)	12.6.13	0825	S	JKH			1
02	B05D (3-5)	↓	0826	S	JKH		HOLD	1
03	B05D (8-10)		0827	S	JKH		HOLD	1
04	B05D (13-15)		0828	S	JKH		HOLD	1
05	B05D (18-20)		0829	S	JKH		HOLD	1
06	B05D (23-25)		0830	S	JKH		HOLD	1
07	B05C (0-2)		0945	S	JKH			1
08	B05C (3-5)		0946	S	JKH		HOLD	1
09	B05C (8-10)		0947	S	JKH		HOLD	1
10	B05C (13-15)		0948	S	JKH		HOLD	1

Container Type: _____ Preservative: _____
 P= Plastic A= None
 A= Amber glass B= HCl
 V= Vial C= HNO₃
 G= Glass D= H₂SO₄
 B= Bacteria cup E= NaOH
 C= Cube F= MeOH
 O= Other G= NaHSO₄
 E= Encore H= Na₂S₂O₃
 D= BOD Bottle I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/6/13 1430</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/16/13 1430</u>
<u>[Signature]</u>	<u>12/6/13 1715</u>	<u>[Signature]</u>	<u>12/6/13 1715</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: Judith Leclair/M. Wade
ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/15/13

Date Rec'd in Lab: 12/6/13

ALPHA Job #: 1324834

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Judith.Leclair@urs.com

Additional Project Information:

Regulatory Requirements & Project Information Requirements

Yes No MA MCP Analytical Methods Yes No CT RCP Analytical Methods
 Yes No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
 Yes No GW1 Standards (Info Required for Metals & EPH with Targets)
 Yes No NPDES RGP
 Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC: <input checked="" type="checkbox"/> 624 <input type="checkbox"/> 5242	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA8 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Total Solids (taken from PCB)	SAMPLE INFO				
		Date	Time												Filtration	Preservation			
11	B05C (18-20)	12.6.13	0949	S	JKH												HOLD	1	
12	B05C (21-23)		0950	S	JKH	3												CVOC HOLD	4
13	B05B (0-2)		1200	S	JKH														1
14	B05B (3-5)		1205	S	JKH													HOLD	1
15	B05B (8-10)		1210	S	JKH													.mg 12-18-13 HOLD	1
16	B05B (13-15)		1212	S	JKH													HOLD	1
17	B05B (15-17)		1215	S	JKH	3												CVOC	4
18	B05B DUP-01		1220	S	JKH	3												CVOC	4
19	TB-03			TB		3												CVOC	3
20	B06D (0-2)		1320	S	JKH														1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V
Preservative O

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/6/13 1430</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/13/13 1930</u>
<u>[Signature]</u>	<u>12/11/13 1600</u>	<u>[Signature]</u>	<u>12/6/13/1600</u>
<u>[Signature]</u>	<u>12/6/13 1715</u>	<u>[Signature]</u>	<u>12/6/13 1715</u>

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
 320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
 Project Location: New Bedford, MA
 Project #: 39744051.10003
 Project Manager: Judith Leclair/M. Wade
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
 Date Due: 12/15/13

Date Rec'd in Lab: 12/6/13

ALPHA Job #: 1324834

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
 Address: 1155 Elm St, Suite 401
Manchester, NH 03101
 Phone: (603) 606-4800
 Email: Judith.leclair@urs.com

Additional Project Information:

Regulatory Requirements & Project Information Requirements

Yes No MA MCP Analytical Methods Yes No CT RCP Analytical Methods
 Yes No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
 Yes No GW1 Standards (Info Required for Metals & EPH with Targets)
 Yes No NPDES RGP
 Other State /Fed Program Criteria

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CvOC: <input checked="" type="checkbox"/> 2260 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA8 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Total Solids (taken from PCB)	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
		Date	Time												
11	B05C (18-20)	12.6.13	0949	S	JKH									HOLD	1
12	B05C (21-23)		0950	S	JKH	3						X		CVOC HOLD	4
13	B05B (0-2)		1200	S	JKH										1
14	B05B (3-5)		1205	S	JKH									HOLD	1
15	B05B (8-10)		1210	S	JKH									HOLD	1
16	B05B (13-15)		1212	S	JKH									HOLD	1
17	B05B (15-17)		1215	S	JKH	3						X		CVOC	4
18	B05B DUP-01		1220	S	JKH	3						X		CVOC	4
19	TB-03			TB		3								CVOC	3
20	B06D (0-2)		1320	S	JKH										1

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₃
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type V
 Preservative O
G
A

Relinquished By: [Signature] Date/Time: 12/6/13 1430
 Received By: [Signature] Date/Time: 12/13/13 1600
[Signature] 12/6/13 1715 [Signature] 12/6/13 1715

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 FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 3

8 Walkup Drive Westboro, MA 01581 Tel: 508-899-9220
 320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Date Rec'd in Lab: 12/6/13

ALPHA Job #: 4324834

Client Information

Client: URS
 Address: 1155 Elm St, Suite 401 Manchester, NH 03101
 Phone: (603) 606-4800
 Email: jvdith.leclair@urs.com

Project Information

Project Name: Arvon Geoprobe
 Project Location: New Bedford, MA
 Project #: 39744051.10003
 Project Manager: J. Leclair / M. Wade
 ALPHA Quote #:

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
 Date Due: 12/13/13

ANALYSIS	SVOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES

Total Solids (from PCB)

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Sample Comments	TOTAL # BOTTLES
		Date	Time												
<u>21 834-21</u>	<u>B06D(3-5)</u>	<u>12.6.13</u>	<u>1322</u>	<u>S</u>	<u>JKH</u>									<u>HOLD</u>	<u>1</u>
<u>22</u>	<u>B06D(8-10)</u>		<u>1324</u>	<u>S</u>	<u>JKH</u>									<u>HOLD</u>	<u>1</u>
<u>23</u>	<u>B06D(13-15)</u>		<u>1326</u>	<u>S</u>	<u>JKH</u>									<u>HOLD</u>	<u>1</u>
<u>24</u>	<u>B06D(16)</u>		<u>1330</u>	<u>S</u>	<u>JKH</u>	<u>S</u>						<u>X</u>		<u>CVOC</u>	<u>4</u>
<u>25</u>	<u>B06D(18-20)</u>		<u>1322</u>	<u>S</u>	<u>JKH</u>									<u>HOLD</u>	<u>1</u>
<u>26</u>	<u>B06D(22-24)</u>		<u>1324</u>	<u>S</u>	<u>JKH</u>									<u>HOLD</u>	<u>1</u>

Container Type	Preservative	Container Type	Preservative
<u>V</u>	<u>A</u>	<u>G</u>	<u>A</u>

Relinquished By:	Date/Time	Received By:	Date/Time
<u>Andrew K. Starcher</u>	<u>12/6/13 1430</u>	<u>UCM</u>	<u>12/6/13 1430</u>
<u>[Signature]</u>	<u>12/6/13 1715</u>	<u>[Signature]</u>	<u>12/6/13 1715</u>

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 FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1324962
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/26/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1324962-01	B06C (0-2)	NEW BEDFORD, MA	12/09/13 09:15
L1324962-02	B06C (3-5)	NEW BEDFORD, MA	12/09/13 09:16
L1324962-03	B06C (8-10)	NEW BEDFORD, MA	12/09/13 09:17
L1324962-04	B06C (12.5)	NEW BEDFORD, MA	12/09/13 09:18
L1324962-05	B06C (13-15)	NEW BEDFORD, MA	12/09/13 09:19
L1324962-06	B06C (17-19)	NEW BEDFORD, MA	12/09/13 09:20
L1324962-07	TB-04	NEW BEDFORD, MA	12/09/13 00:00
L1324962-08	B06B (0-2)	NEW BEDFORD, MA	12/09/13 10:40
L1324962-09	B06B (3-5)	NEW BEDFORD, MA	12/09/13 10:42
L1324962-10	B06B (8-10)	NEW BEDFORD, MA	12/09/13 10:43
L1324962-11	B06B (13-15)	NEW BEDFORD, MA	12/09/13 10:44
L1324962-12	B06B (18-20)	NEW BEDFORD, MA	12/09/13 10:45
L1324962-13	B06B (23-25)	NEW BEDFORD, MA	12/09/13 10:46
L1324962-14	B06B (27-29)	NEW BEDFORD, MA	12/09/13 10:50
L1324962-15	B06A (0-2)	NEW BEDFORD, MA	12/09/13 13:25
L1324962-16	B06A (3-5)	NEW BEDFORD, MA	12/09/13 13:26
L1324962-17	B06A (8-10)	NEW BEDFORD, MA	12/09/13 13:27
L1324962-18	B06A (13-15)	NEW BEDFORD, MA	12/09/13 13:28
L1324962-19	B06A (18-20)	NEW BEDFORD, MA	12/09/13 13:29
L1324962-20	B06A (23-25)	NEW BEDFORD, MA	12/09/13 13:30
L1324962-21	B06A (25-27)	NEW BEDFORD, MA	12/09/13 13:35

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

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)?	NO

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued December 16, 2013, and includes the results of the PCB analysis on samples L1324962-10, -11, and -17.

MCP Related Narratives

Volatile Organics

L1324962-04 and -21 were analyzed as High Level Methanols in order to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analyses. The results of both analyses are reported.

In reference to question H:

The continuing calibration standards, associated with L1324962-04, -07, -14, and -21, 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.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:

L1324962-01 and -08: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1324962-01 and -08 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The MS/MSD requested on L1324962-08 was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

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:



Cynthia McQueen

Title: Technical Director/Representative

Date: 12/26/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-04
Client ID: B06C (12.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/14/13 11:39
Analyst: PP
Percent Solids: 80%

Date Collected: 12/09/13 09:18
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	--	1
1,1-Dichloroethane	2.0		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
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
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Vinyl chloride	170	E	ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	1.3		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	1.3		ug/kg	1.0	--	1
Trichloroethene	ND		ug/kg	0.68	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	--	1
cis-1,2-Dichloroethene	450	E	ug/kg	0.68	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	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
o-Chlorotoluene	ND		ug/kg	2.7	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-04

Date Collected: 12/09/13 09:18

Client ID: B06C (12.5)

Date Received: 12/09/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-04
 Client ID: B06C (12.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/16/13 12:09
 Analyst: JC
 Percent Solids: 80%

Date Collected: 12/09/13 09:18
 Date Received: 12/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	770	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	120	--	1
Carbon tetrachloride	ND		ug/kg	77	--	1
1,2-Dichloropropane	ND		ug/kg	270	--	1
Dibromochloromethane	ND		ug/kg	77	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	77	--	1
Chlorobenzene	ND		ug/kg	77	--	1
1,2-Dichloroethane	ND		ug/kg	77	--	1
1,1,1-Trichloroethane	ND		ug/kg	77	--	1
Bromodichloromethane	ND		ug/kg	77	--	1
trans-1,3-Dichloropropene	ND		ug/kg	77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	77	--	1
Bromoform	ND		ug/kg	310	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	77	--	1
Chloromethane	ND		ug/kg	310	--	1
Vinyl chloride	ND		ug/kg	150	--	1
Chloroethane	ND		ug/kg	150	--	1
1,1-Dichloroethene	ND		ug/kg	77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1
Trichloroethene	ND		ug/kg	77	--	1
1,2-Dichlorobenzene	ND		ug/kg	310	--	1
1,3-Dichlorobenzene	ND		ug/kg	310	--	1
1,4-Dichlorobenzene	ND		ug/kg	310	--	1
cis-1,2-Dichloroethene	890		ug/kg	77	--	1
Dichlorodifluoromethane	ND		ug/kg	770	--	1
1,2-Dibromoethane	ND		ug/kg	310	--	1
1,3-Dichloropropane	ND		ug/kg	310	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	77	--	1
o-Chlorotoluene	ND		ug/kg	310	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-04

Date Collected: 12/09/13 09:18

Client ID: B06C (12.5)

Date Received: 12/09/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	310	--	1
Hexachlorobutadiene	ND		ug/kg	310	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-07
 Client ID: TB-04
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/14/13 12:06
 Analyst: PP
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/09/13 00:00
 Date Received: 12/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-07

Date Collected: 12/09/13 00:00

Client ID: TB-04

Date Received: 12/09/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-14
Client ID: B06B (27-29)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/14/13 12:33
Analyst: PP
Percent Solids: 86%

Date Collected: 12/09/13 10:50
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.83	--	1
Chloroform	ND		ug/kg	0.83	--	1
Carbon tetrachloride	ND		ug/kg	0.55	--	1
1,2-Dichloropropane	ND		ug/kg	1.9	--	1
Dibromochloromethane	ND		ug/kg	0.55	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	--	1
Tetrachloroethene	0.76		ug/kg	0.55	--	1
Chlorobenzene	ND		ug/kg	0.55	--	1
1,2-Dichloroethane	ND		ug/kg	0.55	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	--	1
Bromodichloromethane	ND		ug/kg	0.55	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
Bromoform	ND		ug/kg	2.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Chloromethane	ND		ug/kg	2.2	--	1
Vinyl chloride	3.9		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.55	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.83	--	1
Trichloroethene	98		ug/kg	0.55	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	--	1
cis-1,2-Dichloroethene	89		ug/kg	0.55	--	1
Dichlorodifluoromethane	ND		ug/kg	5.5	--	1
1,2-Dibromoethane	ND		ug/kg	2.2	--	1
1,3-Dichloropropane	ND		ug/kg	2.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
o-Chlorotoluene	ND		ug/kg	2.2	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-14

Date Collected: 12/09/13 10:50

Client ID: B06B (27-29)

Date Received: 12/09/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-21
Client ID: B06A (25-27)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/14/13 13:01
Analyst: PP
Percent Solids: 90%

Date Collected: 12/09/13 13:35
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.68	--	1
Chloroform	ND		ug/kg	0.68	--	1
Carbon tetrachloride	2.9		ug/kg	0.45	--	1
1,2-Dichloropropane	ND		ug/kg	1.6	--	1
Dibromochloromethane	ND		ug/kg	0.45	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.68	--	1
Tetrachloroethene	1.3		ug/kg	0.45	--	1
Chlorobenzene	ND		ug/kg	0.45	--	1
1,2-Dichloroethane	ND		ug/kg	0.45	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	--	1
Bromodichloromethane	ND		ug/kg	0.45	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.45	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	--	1
Bromoform	ND		ug/kg	1.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	--	1
Chloromethane	ND		ug/kg	1.8	--	1
Vinyl chloride	7.0		ug/kg	0.91	--	1
Chloroethane	ND		ug/kg	0.91	--	1
1,1-Dichloroethene	0.46		ug/kg	0.45	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.68	--	1
Trichloroethene	330	E	ug/kg	0.45	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
cis-1,2-Dichloroethene	83		ug/kg	0.45	--	1
Dichlorodifluoromethane	ND		ug/kg	4.5	--	1
1,2-Dibromoethane	ND		ug/kg	1.8	--	1
1,3-Dichloropropane	ND		ug/kg	1.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-21

Date Collected: 12/09/13 13:35

Client ID: B06A (25-27)

Date Received: 12/09/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	1.8	--	1
Hexachlorobutadiene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-21
Client ID: B06A (25-27)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/16/13 12:36
Analyst: JC
Percent Solids: 90%

Date Collected: 12/09/13 13:35
Date Received: 12/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	440	--	1
1,1-Dichloroethane	ND		ug/kg	65	--	1
Chloroform	ND		ug/kg	65	--	1
Carbon tetrachloride	ND		ug/kg	44	--	1
1,2-Dichloropropane	ND		ug/kg	150	--	1
Dibromochloromethane	ND		ug/kg	44	--	1
1,1,2-Trichloroethane	ND		ug/kg	65	--	1
Tetrachloroethene	ND		ug/kg	44	--	1
Chlorobenzene	ND		ug/kg	44	--	1
1,2-Dichloroethane	ND		ug/kg	44	--	1
1,1,1-Trichloroethane	ND		ug/kg	44	--	1
Bromodichloromethane	ND		ug/kg	44	--	1
trans-1,3-Dichloropropene	ND		ug/kg	44	--	1
cis-1,3-Dichloropropene	ND		ug/kg	44	--	1
Bromoform	ND		ug/kg	170	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	44	--	1
Chloromethane	ND		ug/kg	170	--	1
Vinyl chloride	ND		ug/kg	87	--	1
Chloroethane	ND		ug/kg	87	--	1
1,1-Dichloroethene	ND		ug/kg	44	--	1
trans-1,2-Dichloroethene	ND		ug/kg	65	--	1
Trichloroethene	370		ug/kg	44	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
cis-1,2-Dichloroethene	86		ug/kg	44	--	1
Dichlorodifluoromethane	ND		ug/kg	440	--	1
1,2-Dibromoethane	ND		ug/kg	170	--	1
1,3-Dichloropropane	ND		ug/kg	170	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	44	--	1
o-Chlorotoluene	ND		ug/kg	170	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-21

Date Collected: 12/09/13 13:35

Client ID: B06A (25-27)

Date Received: 12/09/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	170	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/14/13 10:17
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07,14,21 Batch: WG659287-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 12/14/13 10:17
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07,14,21 Batch: WG659287-3					
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	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/14/13 10:17
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07,14,21 Batch: WG659287-3					
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	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/16/13 09:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 04,21 Batch: WG659347-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/16/13 09:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 04,21 Batch: WG659347-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/16/13 09:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 04,21 Batch: WG659347-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07,14,21 Batch: WG659287-1 WG659287-2								
Methylene chloride	86		91		70-130	6		20
1,1-Dichloroethane	88		92		70-130	4		20
Chloroform	89		94		70-130	5		20
Carbon tetrachloride	90		98		70-130	9		20
1,2-Dichloropropane	89		94		70-130	5		20
Dibromochloromethane	84		92		70-130	9		20
1,1,2-Trichloroethane	88		97		70-130	10		20
Tetrachloroethene	89		93		70-130	4		20
Chlorobenzene	89		95		70-130	7		20
Trichlorofluoromethane	89		95		70-130	7		20
1,2-Dichloroethane	87		93		70-130	7		20
1,1,1-Trichloroethane	89		94		70-130	5		20
Bromodichloromethane	87		93		70-130	7		20
trans-1,3-Dichloropropene	87		94		70-130	8		20
cis-1,3-Dichloropropene	89		94		70-130	5		20
1,1-Dichloropropene	89		93		70-130	4		20
Bromoform	84		92		70-130	9		20
1,1,2,2-Tetrachloroethane	86		93		70-130	8		20
Benzene	88		94		70-130	7		20
Toluene	87		93		70-130	7		20
Ethylbenzene	89		95		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07,14,21 Batch: WG659287-1 WG659287-2								
Chloromethane	83		86		70-130	4		20
Bromomethane	92		96		70-130	4		20
Vinyl chloride	86		90		70-130	5		20
Chloroethane	92		101		70-130	9		20
1,1-Dichloroethene	89		93		70-130	4		20
trans-1,2-Dichloroethene	88		95		70-130	8		20
Trichloroethene	89		93		70-130	4		20
1,2-Dichlorobenzene	89		94		70-130	5		20
1,3-Dichlorobenzene	90		94		70-130	4		20
1,4-Dichlorobenzene	90		93		70-130	3		20
Methyl tert butyl ether	90		98		70-130	9		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		96		70-130	6		20
cis-1,2-Dichloroethene	89		94		70-130	5		20
Dibromomethane	87		95		70-130	9		20
1,2,3-Trichloropropane	85		94		70-130	10		20
Styrene	90		96		70-130	6		20
Dichlorodifluoromethane	80		84		70-130	5		20
Acetone	90		115		70-130	24	Q	20
Carbon disulfide	87		91		70-130	4		20
Methyl ethyl ketone	82		98		70-130	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07,14,21 Batch: WG659287-1 WG659287-2								
Methyl isobutyl ketone	88		100		70-130	13		20
2-Hexanone	84		96		70-130	13		20
Bromochloromethane	88		95		70-130	8		20
Tetrahydrofuran	90		104		70-130	14		20
2,2-Dichloropropane	89		93		70-130	4		20
1,2-Dibromoethane	87		95		70-130	9		20
1,3-Dichloropropane	88		95		70-130	8		20
1,1,1,2-Tetrachloroethane	88		94		70-130	7		20
Bromobenzene	89		94		70-130	5		20
n-Butylbenzene	91		96		70-130	5		20
sec-Butylbenzene	91		94		70-130	3		20
tert-Butylbenzene	90		94		70-130	4		20
o-Chlorotoluene	90		93		70-130	3		20
p-Chlorotoluene	90		94		70-130	4		20
1,2-Dibromo-3-chloropropane	86		92		70-130	7		20
Hexachlorobutadiene	90		92		70-130	2		20
Isopropylbenzene	88		93		70-130	6		20
p-Isopropyltoluene	91		95		70-130	4		20
Naphthalene	86		94		70-130	9		20
n-Propylbenzene	89		94		70-130	5		20
1,2,3-Trichlorobenzene	87		93		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07,14,21 Batch: WG659287-1 WG659287-2								
1,2,4-Trichlorobenzene	91		96		70-130	5		20
1,3,5-Trimethylbenzene	90		94		70-130	4		20
1,2,4-Trimethylbenzene	90		95		70-130	5		20
Diethyl ether	85		90		70-130	6		20
Diisopropyl Ether	88		94		70-130	7		20
Ethyl-Tert-Butyl-Ether	103		110		70-130	7		20
Tertiary-Amyl Methyl Ether	124		133	Q	70-130	7		20
1,4-Dioxane	94		106		70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 04,21 Batch: WG659347-1 WG659347-2								
Methylene chloride	87		90		70-130	3		20
1,1-Dichloroethane	87		91		70-130	4		20
Chloroform	90		92		70-130	2		20
Carbon tetrachloride	93		96		70-130	3		20
1,2-Dichloropropane	88		91		70-130	3		20
Dibromochloromethane	86		90		70-130	5		20
1,1,2-Trichloroethane	89		92		70-130	3		20
Tetrachloroethene	89		93		70-130	4		20
Chlorobenzene	90		93		70-130	3		20
Trichlorofluoromethane	88		90		70-130	2		20
1,2-Dichloroethane	86		90		70-130	5		20
1,1,1-Trichloroethane	90		92		70-130	2		20
Bromodichloromethane	88		91		70-130	3		20
trans-1,3-Dichloropropene	88		91		70-130	3		20
cis-1,3-Dichloropropene	90		93		70-130	3		20
1,1-Dichloropropene	90		92		70-130	2		20
Bromoform	85		88		70-130	3		20
1,1,2,2-Tetrachloroethane	85		91		70-130	7		20
Benzene	88		91		70-130	3		20
Toluene	88		91		70-130	3		20
Ethylbenzene	91		94		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 04,21 Batch: WG659347-1 WG659347-2								
Chloromethane	75		78		70-130	4		20
Bromomethane	85		88		70-130	3		20
Vinyl chloride	81		82		70-130	1		20
Chloroethane	90		97		70-130	7		20
1,1-Dichloroethene	89		91		70-130	2		20
trans-1,2-Dichloroethene	89		92		70-130	3		20
Trichloroethene	90		93		70-130	3		20
1,2-Dichlorobenzene	89		93		70-130	4		20
1,3-Dichlorobenzene	90		93		70-130	3		20
1,4-Dichlorobenzene	90		93		70-130	3		20
Methyl tert butyl ether	90		94		70-130	4		20
p/m-Xylene	91		94		70-130	3		20
o-Xylene	91		95		70-130	4		20
cis-1,2-Dichloroethene	90		92		70-130	2		20
Dibromomethane	88		90		70-130	2		20
1,2,3-Trichloropropane	84		90		70-130	7		20
Styrene	91		94		70-130	3		20
Dichlorodifluoromethane	59	Q	61	Q	70-130	3		20
Acetone	154	Q	151	Q	70-130	2		20
Carbon disulfide	85		87		70-130	2		20
Methyl ethyl ketone	110		112		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 04,21 Batch: WG659347-1 WG659347-2								
Methyl isobutyl ketone	90		93		70-130	3		20
2-Hexanone	106		108		70-130	2		20
Bromochloromethane	88		93		70-130	6		20
Tetrahydrofuran	93		95		70-130	2		20
2,2-Dichloropropane	90		92		70-130	2		20
1,2-Dibromoethane	86		91		70-130	6		20
1,3-Dichloropropane	88		91		70-130	3		20
1,1,1,2-Tetrachloroethane	90		93		70-130	3		20
Bromobenzene	89		91		70-130	2		20
n-Butylbenzene	93		96		70-130	3		20
sec-Butylbenzene	91		94		70-130	3		20
tert-Butylbenzene	90		94		70-130	4		20
o-Chlorotoluene	90		93		70-130	3		20
p-Chlorotoluene	89		93		70-130	4		20
1,2-Dibromo-3-chloropropane	85		90		70-130	6		20
Hexachlorobutadiene	94		96		70-130	2		20
Isopropylbenzene	88		91		70-130	3		20
p-Isopropyltoluene	92		95		70-130	3		20
Naphthalene	88		92		70-130	4		20
n-Propylbenzene	90		93		70-130	3		20
1,2,3-Trichlorobenzene	89		92		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 04,21 Batch: WG659347-1 WG659347-2								
1,2,4-Trichlorobenzene	92		95		70-130	3		20
1,3,5-Trimethylbenzene	90		94		70-130	4		20
1,2,4-Trimethylbenzene	91		93		70-130	2		20
Diethyl ether	84		88		70-130	5		20
Diisopropyl Ether	89		91		70-130	2		20
Ethyl-Tert-Butyl-Ether	106		109		70-130	3		20
Tertiary-Amyl Methyl Ether	132	Q	136	Q	70-130	3		20
1,4-Dioxane	109		116		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	98		96		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-01 D
 Client ID: B06C (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/13/13 15:44
 Analyst: KB
 Percent Solids: 97%

Date Collected: 12/09/13 09:15
 Date Received: 12/09/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 09:14
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	408	--	20	A
Aroclor 1221	ND		ug/kg	408	--	20	A
Aroclor 1232	ND		ug/kg	408	--	20	A
Aroclor 1242	ND		ug/kg	408	--	20	A
Aroclor 1248	ND		ug/kg	272	--	20	A
Aroclor 1254	7030		ug/kg	408	--	20	B
Aroclor 1260	ND		ug/kg	272	--	20	A
Aroclor 1262	ND		ug/kg	136	--	20	A
Aroclor 1268	ND		ug/kg	136	--	20	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-04
 Client ID: B06C (12.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 17:36
 Analyst: KB
 Percent Solids: 80%

Date Collected: 12/09/13 09:18
 Date Received: 12/09/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 09:36
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	24.0	--	1	A
Aroclor 1221	ND		ug/kg	24.0	--	1	A
Aroclor 1232	ND		ug/kg	24.0	--	1	A
Aroclor 1242	ND		ug/kg	24.0	--	1	A
Aroclor 1248	ND		ug/kg	16.0	--	1	A
Aroclor 1254	ND		ug/kg	24.0	--	1	A
Aroclor 1260	ND		ug/kg	16.0	--	1	A
Aroclor 1262	ND		ug/kg	8.01	--	1	A
Aroclor 1268	ND		ug/kg	8.01	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-08 D
 Client ID: B06B (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/13/13 15:58
 Analyst: KB
 Percent Solids: 92%

Date Collected: 12/09/13 10:40
 Date Received: 12/09/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 09:14
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	10500	--	500	A
Aroclor 1221	ND		ug/kg	10500	--	500	A
Aroclor 1232	ND		ug/kg	10500	--	500	A
Aroclor 1242	ND		ug/kg	10500	--	500	A
Aroclor 1248	74400		ug/kg	7010	--	500	B
Aroclor 1254	72000		ug/kg	10500	--	500	A
Aroclor 1260	ND		ug/kg	7010	--	500	A
Aroclor 1262	ND		ug/kg	3510	--	500	A
Aroclor 1268	ND		ug/kg	3510	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-10
 Client ID: B06B (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/24/13 14:41
 Analyst: JW
 Percent Solids: 20%

Date Collected: 12/09/13 10:43
 Date Received: 12/09/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	97.7	--	1	A
Aroclor 1221	ND		ug/kg	97.7	--	1	A
Aroclor 1232	ND		ug/kg	97.7	--	1	A
Aroclor 1242	ND		ug/kg	97.7	--	1	A
Aroclor 1248	299		ug/kg	65.1	--	1	B
Aroclor 1254	307		ug/kg	97.7	--	1	A
Aroclor 1260	ND		ug/kg	65.1	--	1	A
Aroclor 1262	ND		ug/kg	32.6	--	1	A
Aroclor 1268	ND		ug/kg	32.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-11
Client ID: B06B (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 14:54
Analyst: JW
Percent Solids: 85%

Date Collected: 12/09/13 10:44
Date Received: 12/09/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 15:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.2	--	1	A
Aroclor 1221	ND		ug/kg	22.2	--	1	A
Aroclor 1232	ND		ug/kg	22.2	--	1	A
Aroclor 1242	ND		ug/kg	22.2	--	1	A
Aroclor 1248	ND		ug/kg	14.8	--	1	A
Aroclor 1254	ND		ug/kg	22.2	--	1	A
Aroclor 1260	ND		ug/kg	14.8	--	1	A
Aroclor 1262	ND		ug/kg	7.41	--	1	A
Aroclor 1268	ND		ug/kg	7.41	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-14
Client ID: B06B (27-29)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/12/13 18:01
Analyst: KB
Percent Solids: 86%

Date Collected: 12/09/13 10:50
Date Received: 12/09/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/10/13 09:36
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/12/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.0	--	1	A
Aroclor 1221	ND		ug/kg	23.0	--	1	A
Aroclor 1232	ND		ug/kg	23.0	--	1	A
Aroclor 1242	ND		ug/kg	23.0	--	1	A
Aroclor 1248	ND		ug/kg	15.3	--	1	A
Aroclor 1254	ND		ug/kg	23.0	--	1	A
Aroclor 1260	ND		ug/kg	15.3	--	1	A
Aroclor 1262	ND		ug/kg	7.65	--	1	A
Aroclor 1268	ND		ug/kg	7.65	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-15
Client ID: B06A (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/12/13 18:13
Analyst: KB
Percent Solids: 95%

Date Collected: 12/09/13 13:25
Date Received: 12/09/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/10/13 09:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/12/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.1	--	1	A
Aroclor 1221	ND		ug/kg	20.1	--	1	A
Aroclor 1232	ND		ug/kg	20.1	--	1	A
Aroclor 1242	ND		ug/kg	20.1	--	1	A
Aroclor 1248	ND		ug/kg	13.4	--	1	A
Aroclor 1254	27.7		ug/kg	20.1	--	1	B
Aroclor 1260	ND		ug/kg	13.4	--	1	A
Aroclor 1262	ND		ug/kg	6.69	--	1	A
Aroclor 1268	ND		ug/kg	6.69	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-17
Client ID: B06A (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 15:06
Analyst: JW
Percent Solids: 87%

Date Collected: 12/09/13 13:27
Date Received: 12/09/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 15:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.6	--	1	A
Aroclor 1221	ND		ug/kg	22.6	--	1	A
Aroclor 1232	ND		ug/kg	22.6	--	1	A
Aroclor 1242	ND		ug/kg	22.6	--	1	A
Aroclor 1248	ND		ug/kg	15.0	--	1	A
Aroclor 1254	ND		ug/kg	22.6	--	1	A
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.52	--	1	A
Aroclor 1268	ND		ug/kg	7.52	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-21
 Client ID: B06A (25-27)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/12/13 18:25
 Analyst: KB
 Percent Solids: 90%

Date Collected: 12/09/13 13:35
 Date Received: 12/09/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 09:36
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.9	--	1	A
Aroclor 1221	ND		ug/kg	21.9	--	1	A
Aroclor 1232	ND		ug/kg	21.9	--	1	A
Aroclor 1242	ND		ug/kg	21.9	--	1	B
Aroclor 1248	ND		ug/kg	14.6	--	1	A
Aroclor 1254	ND		ug/kg	21.9	--	1	A
Aroclor 1260	ND		ug/kg	14.6	--	1	A
Aroclor 1262	ND		ug/kg	7.31	--	1	A
Aroclor 1268	ND		ug/kg	7.31	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/12/13 18:38
 Analyst: KB

Extraction Method: EPA 3540C
 Extraction Date: 12/10/13 09:14
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,04,08,14-15,21 Batch: WG657603-1						
Aroclor 1016	ND		ug/kg	19.0	--	A
Aroclor 1221	ND		ug/kg	19.0	--	A
Aroclor 1232	ND		ug/kg	19.0	--	A
Aroclor 1242	ND		ug/kg	19.0	--	A
Aroclor 1248	ND		ug/kg	12.7	--	A
Aroclor 1254	ND		ug/kg	19.0	--	A
Aroclor 1260	ND		ug/kg	12.7	--	A
Aroclor 1262	ND		ug/kg	6.34	--	A
Aroclor 1268	ND		ug/kg	6.34	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	54		30-150	B



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/24/13 17:21
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 10-11,17 Batch: WG661091-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.38	--	A
Aroclor 1268	ND		ug/kg	6.38	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	75		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,04,08,14-15,21 Batch: WG657603-4 WG657603-5									
Aroclor 1016	74		71		40-140	4		30	A
Aroclor 1260	74		72		40-140	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		57		30-150	A
Decachlorobiphenyl	55		53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		58		30-150	B
Decachlorobiphenyl	59		56		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 10-11,17 Batch: WG661091-2 WG661091-3									
Aroclor 1016	59		71		40-140	18		30	A
Aroclor 1260	52		64		40-140	21		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		66		30-150	A
Decachlorobiphenyl	50		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		74		30-150	B
Decachlorobiphenyl	57		73		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324962-01
Client ID: B06C (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/09/13 09:15
Date Received: 12/09/13
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	96.6		%	0.100	NA	1	-	12/11/13 22:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324962-04
Client ID: B06C (12.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/09/13 09:18
Date Received: 12/09/13
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	79.7		%	0.100	NA	1	-	12/11/13 22:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324962-08

Date Collected: 12/09/13 10:40

Client ID: B06B (0-2)

Date Received: 12/09/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	12/11/13 22:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324962-10
 Client ID: B06B (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/09/13 10:43
 Date Received: 12/09/13
 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	19.6		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324962-11
 Client ID: B06B (13-15)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/09/13 10:44
 Date Received: 12/09/13
 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	84.8		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324962-14
 Client ID: B06B (27-29)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/09/13 10:50
 Date Received: 12/09/13
 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	86.4		%	0.100	NA	1	-	12/11/13 22:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-15
Client ID: B06A (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/09/13 13:25
Date Received: 12/09/13
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	95.2		%	0.100	NA	1	-	12/11/13 22:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1324962**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1324962-17
Client ID: B06A (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/09/13 13:27
Date Received: 12/09/13
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	86.8		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1324962-21
 Client ID: B06A (25-27)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/09/13 13:35
 Date Received: 12/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	12/11/13 22:52	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1324962

Report Date: 12/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04,08,14-15,21 QC Batch ID: WG658244-1 QC Sample: L1324962-01 Client ID: B06C (0-2)						
Solids, Total	96.6	97.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 10-11,17 QC Batch ID: WG660123-1 QC Sample: L1324962-10 Client ID: B06B (8-10)						
Solids, Total	19.6	22.8	%	15		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1324962

Project Number: 39744051.10003

Report Date: 12/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/09/2013 19:28

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324962-01A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-02A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-03A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-04A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1324962-04B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1324962-04C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1324962-04D	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-05A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-06A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-07A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1324962-07B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1324962-07C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1324962-08A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-08B	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-08C	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-09A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-10A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-11A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-12A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-13A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-14A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1324962-14B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE**Project Number:** 39744051.10003**Lab Number:** L1324962**Report Date:** 12/26/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1324962-14C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1324962-14D	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-15A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-16A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-17A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1324962-18A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-19A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-20A	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1324962-21A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1324962-21B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1324962-21C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1324962-21D	Amber 250ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1324962
Report Date: 12/26/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 3

8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
 320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
 Project Location: New Bedford, MA
 Project #: 39744051-10003
 Project Manager: J. LeClair/M. Wade
 ALPHA Quote #:

Date Rec'd in Lab: 12/9/13 ALPHA Job #: L1324902

Report Information - Data Deliverables

ADEX EMAIL Same as Client info PO #:

Client Information

Client: VRS
 Address: 1155 Elm St, Suite 401
Manchester, NH 03101
 Phone: (603) 606-4800
 Email: judith.leclair@vrs.com

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
 Date Due: 12/16/13

Additional Project Information:

mg 12-19-13 per JL take -10,11,17 off hold and run PCBs

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 824.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAK	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAB <input type="checkbox"/> RCR13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<i>Total Solids (from PCB bottle)</i>	SAMPLE INFO	TOTAL # BOTTLES
								Filtration		
								<input type="checkbox"/> Field		
								<input type="checkbox"/> Lab to do		
								Preservation		
								<input type="checkbox"/> Lab to do		
								Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES		
		Date	Time			SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Other	Other	Other			Other	
24902-01	B06C(0-2)	12-9-13	0915	S	JKH													1	
02	B06C(3-5)		0916	S	JKH													1	HOLD
03	B06C(8-10)		0917	S	JLH													1	HOLD
04	B06C(12.5)		0918	S	JKH	3									X			4	CVOC
05	B06C(13-15)		0919	S	JKH													1	HOLD
06	B06C(17-19)		0920	S	JKH													1	HOLD
07	TB-04			TB		3												3	CVOC
08	B06B(0-2)		1040	S	JKH													3	use extra vol. for MS/MSD
09	B06B(3-5)		1042	S	JKH													1	HOLD
10	B06B(8-10)		1043	S	JKH													1	HOLD

Container Type	Preservative	Container Type	Preservative
P= Plastic A= Amber glass V= Vial G= Glass B= Bacteria cup C= Cube E= Other E= Encore D= BOD Bottle	A= None B= HCl C= HNO ₃ D= H ₂ SO ₄ E= NaOH F= MeOH G= NaHSO ₄ H= Na ₂ S ₂ O ₃ I= Ascorbic Acid J= NH ₄ Cl K= Zn Acetate O= Other	V	O
		G	A

Relinquished By: [Signature] Date/Time: 12/9/13 1430
 Received By: [Signature] Date/Time: 12/9/13 1430

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Date Rec'd in Lab: 12/9/13 ALPHA Job #: L1324902

Report Information - Data Deliverables

ADEX EMAIL Same as Client info PO #:

Client Information

Client: VRS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@vrs.com

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/16/13

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 824.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAK	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> MCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL # BOTTLES SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do
	Total Solids (from P&B bottle)						Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES	
		Date	Time			SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Other	Other				
24902-01	B06C(0-2)	12-9-13	0915	S	JKH													
02	B06C(3-5)		0916	S	JKH													HOLD
03	B06C(8-10)		0917	S	JKH													HOLD
04	B06C(12.5)		0918	S	JKH	3												CVOC
05	B06C(13-15)		0919	S	JKH													HOLD
06	B06C(17-19)		0920	S	JKH													HOLD
07	TB-04			TB		3												CVOC
08	B06B(0-2)		1040	S	JKH													use extra vol. for MS/MSD
09	B06B(3-5)		1042	S	JKH													HOLD
10	B06B(8-10)		1043	S	JKH													HOLD

Container Type	Preservative	Container Type	Preservative
V	O	G	A

Relinquished By: [Signature] Date/Time: 12/9/13 1430
 Received By: [Signature] Date/Time: 12/9/13 1430

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. LeClair / M. Waide
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

ALPHA Job #: L1324962
 Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/16/13

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 _____

Additional Project Information:

mg 12-19-13 per JL take -11,17 off hold run PCBs

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Total Solids (AmP/B cup)	SAMPLE INFO	TOTAL # BOTTLES
								Filtration		
								<input type="checkbox"/> Field		
								<input type="checkbox"/> Lab to do		
								Preservation		
								<input type="checkbox"/> Lab to do		
								Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CVCOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	Sample Comments	TOTAL # BOTTLES
		Date	Time													
24962-11	B06B(13-15)	12-9-13	1044	S	JKH										HOLD	1
12	B06B(18-20)		1045	S	JKH										HOLD	1
13	B06B(23-25)		1046	S	JKH										HOLD	1
14	B06B(27-29)		1050	S	JKH	3							X		CVOC	4
15	B06A(0-2)		1325	S	JKH											1
16	B06A(3-5)		1326	S	JKH										HOLD	1
17	B06A(8-10)		1327	S	JKH										HOLD	1
18	B06A(13-15)		1328	S	JKH										HOLD	1
19	B06A(18-20)		1329	S	JKH										HOLD	1
20	B06A(23-25)		1330	S	JKH										HOLD	1

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 ₂ SO ₄ E= NaOH F= MeOH G= NaHSO ₄ H= Na ₂ S ₂ O ₃ I= Ascorbic Acid J= NH ₄ Cl K= Zn Acetate O= Other	Container Type <input checked="" type="checkbox"/> V Preservative <input type="checkbox"/> O G A
--	---	---

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/9/13 1430</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/9/13 1430</u>
<u>[Signature]</u>	<u>12/9/13 1710</u>	<u>[Signature]</u>	<u>12/9/13 1710</u>

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. LeClair / M. Waide
ALPHA Quote #:

Date Rec'd in Lab: 12/9/13

ALPHA Job #: L1324962

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/16/13

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

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 620 <input type="checkbox"/> 624 <input type="checkbox"/> 624.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL # BOTTLES
	Total Solids (Amphicorp)							
	SAMPLE INFO							
	Filtration							
	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do							
	Preservation							
	<input type="checkbox"/> Lab to do							
	Sample Comments							

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	TOTAL # BOTTLES	
		Date	Time												
24962-11	B06B(13-15)	12-9-13	1044	S	JKH									HOLD	1
12	B06B(18-20)		1045	S	JKH									HOLD	1
13	B06B(23-25)		1046	S	JKH									HOLD	1
14	B06B(27-29)		1050	S	JKH	3							X	CVOC	4
15	B06A(0-2)		1325	S	JKH										1
16	B06A(3-5)		1326	S	JKH									HOLD	1
17	B06A(8-10)		1327	S	JKH									HOLD	1
18	B06A(13-15)		1328	S	JKH									HOLD	1
19	B06A(18-20)		1329	S	JKH									HOLD	1
20	B06A(23-25)		1330	S	JKH									HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V
Preservative 0

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/9/13 1430</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/9/13 1430</u>
<u>[Signature]</u>	<u>12/9/13 1710</u>	<u>[Signature]</u>	<u>12/9/13 1710</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Additional Project Information:

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair / M. Wade
ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/10/13

Date Rec'd in Lab: 12/9/13

ALPHA Job #: 21324907

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

ANALYSIS	CVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> MCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPI3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Total Solids (From PCB Sample)	Criteria

SAMPLE INFO

Filtration
 Field
 Lab to do
Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CVOC	SVOC	METALS	EPH	VPH	PCB	TPH	Total Solids	Criteria	Sample Comments	TOTAL # BOTTLES
		Date	Time													
24902-21	B06A(25-27)	12-9-13	1335	S	JKH	3					1	X			CVOC	4

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O3
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type V
Preservative O

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/9/13 1430</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/9/13 1430</u>
<u>[Signature]</u>	<u>12/9/13 1710</u>	<u>[Signature]</u>	<u>12/9/13 1710</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1324962

Instrument ID: Voal04.i Calibration Date: 16-DEC-2013 Time: 08:30

Lab File ID: 1216A02 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.26147	.15534	.1	-41	20	F
chloromethane	.37455	.28049	.1	-25	20	F
vinyl chloride	.33076	.26718	.1	-19	20	
bromomethane	100	85.419	.1	-15	20	
chloroethane	100	90.250	.1	-10	20	
trichlorofluoromethane	.35778	.31615	.1	-12	20	
ethyl ether	.12436	.10485	.05	-16	20	
1,1,-dichloroethene	.25088	.22285	.1	-11	20	
carbon disulfide	100	85.420	.1	-15	20	
methylene chloride	.30324	.26364	.1	-13	20	
acetone	100	154	.1	54	20	F
trans-1,2-dichloroethene	.29084	.25875	.1	-11	20	
methyl tert butyl ether	.65666	.59378	.1	-10	20	
Diisopropyl Ether	.99079	.87962	.05	-11	20	
1,1-dichloroethane	.55421	.484	.2	-13	20	
Ethyl-Tert-Butyl-Ether	.72773	.76809	.05	6	20	
cis-1,2-dichloroethene	.31566	.2851	.1	-10	20	
2,2-dichloropropane	.43836	.39314	.05	-10	20	
bromochloromethane	.16468	.14578	.05	-11	20	
chloroform	.51187	.46014	.2	-10	20	
carbontetrachloride	.06897	.06408	.1	-7	20	F
tetrahydrofuran	.08121	.07556	.05	-7	20	
1,1,1-trichloroethane	.47559	.42682	.1	-10	20	
2-butanone	.12299	.13492	.1	10	20	
1,1-dichloropropene	.37594	.33808	.05	-10	20	
benzene	1.1046	.97039	.5	-12	20	
Tertiary-Amyl Methyl Ether	.391	.51503	.05	32	20	F
1,2-dichloroethane	.39176	.3384	.1	-14	20	
trichloroethene	.30024	.2697	.2	-10	20	
dibromomethane	.17791	.15638	.05	-12	20	
1,2-dichloropropane	.30913	.27328	.1	-12	20	
bromodichloromethane	.39644	.35094	.2	-11	20	
1,4-dioxane	.00239	.00261	.05	9	20	F
cis-1,3-dichloropropene	.44851	.40229	.2	-10	20	
toluene	.93332	.82147	.4	-12	20	
tetrachloroethene	.45775	.40742	.2	-11	20	
4-methyl-2-pentanone	.1014	.0915	.1	-10	20	
trans-1,3-dichloropropene	.50181	.44057	.1	-12	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1324962

Instrument ID: Voal04.i Calibration Date: 16-DEC-2013 Time: 08:30

Lab File ID: 1216A02 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.24202	.21441	.1	-11	20
chlorodibromomethane	.4372	.37579	.1	-14	20
1,3-dichloropropane	.48953	.42885	.05	-12	20
1,2-dibromoethane	.32313	.27917	.1	-14	20
2-hexanone	.21599	.22791	.1	6	20
chlorobenzene	1.0902	.97662	.5	-10	20
ethyl benzene	1.7849	1.6210	.1	-9	20
1,1,1,2-tetrachloroethane	.40659	.36442	.05	-10	20
p/m xylene	.68836	.62548	.1	-9	20
o xylene	.66074	.60384	.3	-9	20
styrene	1.0883	.98562	.3	-9	20
bromoform	.51938	.44339	.1	-15	20
isopropylbenzene	3.2645	2.8671	.1	-12	20
bromobenzene	.9063	.80306	.05	-11	20
n-propylbenzene	3.5808	3.2135	.05	-10	20
1,1,2,2,-tetrachloroethane	.70395	.60117	.3	-15	20
2-chlorotoluene	2.3062	2.0819	.05	-10	20
1,2,3-trichloropropane	.54526	.45778	.05	-16	20
1,3,5-trimethylbenzene	2.7199	2.4539	.05	-10	20
4-chorotoluene	2.3106	2.0576	.05	-11	20
tert-butylbenzene	2.3840	2.1451	.05	-10	20
1,2,4-trimethylbenzene	2.6358	2.4026	.05	-9	20
sec-butylbenzene	3.4461	3.1514	.05	-9	20
p-isopropyltoluene	3.0272	2.7823	.05	-8	20
1,3-dichlorobenzene	1.7220	1.5554	.6	-10	20
1,4-dichlorobenzene	1.7220	1.5554	.5	-10	20
n-butylbenzene	2.6196	2.4385	.05	-7	20
1,2-dichlorobenzene	1.6054	1.4313	.4	-11	20
1,2-dibromo-3-chloropropane	.12756	.10892	.05	-15	20
hexachlorobutadiene	.62281	.58236	.05	-6	20
1,2,4-trichlorobenzene	1.1355	1.0470	.2	-8	20
naphthalene	2.3906	2.1050	.05	-12	20
1,2,3-trichlorobenzene	1.0657	.95229	.05	-11	20
dibromofluoromethane	.28379	.27907	.05	-2	30
1,2-dichloroethane-d4	.26566	.25533	.05	-4	30
toluene-d8	1.2209	1.2074	.05	-1	30
4-bromofluorobenzene	.85143	.83749	.05	-2	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1324962

Instrument ID: Voal04.i Calibration Date: 14-DEC-2013 Time: 09:22

Lab File ID: 1214A02 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dichlorodifluoromethane	.26147	.21029	.1	-20	20
chloromethane	.37455	.31066	.1	-17	20
vinyl chloride	.33076	.28525	.1	-14	20
bromomethane	100	91.894	.1	-8	20
chloroethane	100	91.802	.1	-8	20
trichlorofluoromethane	.35778	.31981	.1	-11	20
ethyl ether	.12436	.10582	.05	-15	20
1,1,-dichloroethene	.25088	.22396	.1	-11	20
carbon disulfide	100	86.609	.1	-13	20
methylene chloride	.30324	.26242	.1	-13	20
acetone	100	90.031	.1	-10	20
trans-1,2-dichloroethene	.29084	.25674	.1	-12	20
methyl tert butyl ether	.65666	.59289	.1	-10	20
Diisopropyl Ether	.99079	.87676	.05	-12	20
1,1-dichloroethane	.55421	.48631	.2	-12	20
Ethyl-Tert-Butyl-Ether	.72773	.74672	.05	3	20
cis-1,2-dichloroethene	.31566	.28138	.1	-11	20
2,2-dichloropropane	.43836	.3902	.05	-11	20
bromochloromethane	.16468	.14496	.05	-12	20
chloroform	.51187	.45373	.2	-11	20
carbontetrachloride	.06897	.06207	.1	-10	20
tetrahydrofuran	.08121	.07325	.05	-10	20
1,1,1-trichloroethane	.47559	.42241	.1	-11	20
2-butanone	.12299	.10126	.1	-18	20
1,1-dichloropropene	.37594	.33566	.05	-11	20
benzene	1.1046	.97473	.5	-12	20
Tertiary-Amyl Methyl Ether	.391	.48515	.05	24	20
1,2-dichloroethane	.39176	.33984	.1	-13	20
trichloroethene	.30024	.26703	.2	-11	20
dibromomethane	.17791	.15501	.05	-13	20
1,2-dichloropropane	.30913	.2753	.1	-11	20
bromodichloromethane	.39644	.34661	.2	-13	20
1,4-dioxane	.00239	.00225	.05	-6	20
cis-1,3-dichloropropene	.44851	.40034	.2	-11	20
toluene	.93332	.81253	.4	-13	20
tetrachloroethene	.45775	.40865	.2	-11	20
4-methyl-2-pentanone	.1014	.08906	.1	-12	20
trans-1,3-dichloropropene	.50181	.43847	.1	-13	20

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1324962

Instrument ID: Voal04.i Calibration Date: 14-DEC-2013 Time: 09:22

Lab File ID: 1214A02 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.24202	.21348	.1	-12	20
chlorodibromomethane	.4372	.36864	.1	-16	20
1,3-dichloropropane	.48953	.42948	.05	-12	20
1,2-dibromoethane	.32313	.28111	.1	-13	20
2-hexanone	.21599	.18093	.1	-16	20
chlorobenzene	1.0902	.97014	.5	-11	20
ethyl benzene	1.7849	1.5951	.1	-11	20
1,1,1,2-tetrachloroethane	.40659	.35669	.05	-12	20
p/m xylene	.68836	.61755	.1	-10	20
o xylene	.66074	.59766	.3	-10	20
styrene	1.0883	.97788	.3	-10	20
bromoform	.51938	.43802	.1	-16	20
isopropylbenzene	3.2645	2.8822	.1	-12	20
bromobenzene	.9063	.80626	.05	-11	20
n-propylbenzene	3.5808	3.2030	.05	-11	20
1,1,2,2,-tetrachloroethane	.70395	.60841	.3	-14	20
2-chlorotoluene	2.3062	2.0792	.05	-10	20
1,2,3-trichloropropane	.54526	.46595	.05	-15	20
1,3,5-trimethylbenzene	2.7199	2.4350	.05	-10	20
4-chorotoluene	2.3106	2.0892	.05	-10	20
tert-butylbenzene	2.3840	2.1419	.05	-10	20
1,2,4-trimethylbenzene	2.6358	2.3687	.05	-10	20
sec-butylbenzene	3.4461	3.1207	.05	-9	20
p-isopropyltoluene	3.0272	2.7437	.05	-9	20
1,3-dichlorobenzene	1.7220	1.5493	.6	-10	20
1,4-dichlorobenzene	1.7220	1.5569	.5	-10	20
n-butylbenzene	2.6196	2.3809	.05	-9	20
1,2-dichlorobenzene	1.6054	1.4360	.4	-11	20
1,2-dibromo-3-chloropropane	.12756	.10917	.05	-14	20
hexachlorobutadiene	.62281	.56246	.05	-10	20
1,2,4-trichlorobenzene	1.1355	1.0344	.2	-9	20
naphthalene	2.3906	2.0521	.05	-14	20
1,2,3-trichlorobenzene	1.0657	.92987	.05	-13	20
dibromofluoromethane	.28379	.27549	.05	-3	30
1,2-dichloroethane-d4	.26566	.25837	.05	-3	30
toluene-d8	1.2209	1.2084	.05	-1	30
4-bromofluorobenzene	.85143	.84319	.05	-1	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1325052
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/26/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325052-01	B07A (0-2)	NEW BEDFORD,MA	12/09/13 14:40
L1325052-02	B07A (2.5)	NEW BEDFORD,MA	12/09/13 14:45
L1325052-03	B07A (3-5)	NEW BEDFORD,MA	12/09/13 14:50
L1325052-04	B07A (8-10)	NEW BEDFORD,MA	12/09/13 14:51
L1325052-05	B07A (13-15)	NEW BEDFORD,MA	12/09/13 14:52
L1325052-06	B07A (18-20)	NEW BEDFORD,MA	12/09/13 14:53
L1325052-07	B07A (23-25)	NEW BEDFORD,MA	12/09/13 14:54
L1325052-08	TB-05	NEW BEDFORD,MA	12/09/13 00:00
L1325052-09	B07B (0-2)	NEW BEDFORD,MA	12/10/13 08:45
L1325052-10	B07B (3-5)	NEW BEDFORD,MA	12/10/13 08:46
L1325052-11	B07B (8-10)	NEW BEDFORD,MA	12/10/13 08:47
L1325052-12	B07B (13-15)	NEW BEDFORD,MA	12/10/13 08:50
L1325052-13	B07B (18-20)	NEW BEDFORD,MA	12/10/13 08:51
L1325052-14	B07B (20-21)	NEW BEDFORD,MA	12/10/13 08:52
L1325052-15	B07C (0-2)	NEW BEDFORD,MA	12/10/13 10:14
L1325052-16	B07C (3-5)	NEW BEDFORD,MA	12/10/13 10:15
L1325052-17	B07C (8-10)	NEW BEDFORD,MA	12/10/13 10:16
L1325052-18	B07C (13-15)	NEW BEDFORD,MA	12/10/13 10:17
L1325052-19	B07C (18-20)	NEW BEDFORD,MA	12/10/13 10:18
L1325052-20	B07C (23-25)	NEW BEDFORD,MA	12/10/13 10:19
L1325052-21	B07C (28-30)	NEW BEDFORD,MA	12/10/13 10:20
L1325052-22	B07C (30-32)	NEW BEDFORD,MA	12/10/13 10:21
L1325052-23	B07D (0-2)	NEW BEDFORD,MA	12/10/13 12:28
L1325052-24	B07D (3-5)	NEW BEDFORD,MA	12/10/13 12:29
L1325052-25	B07D (5.5)	NEW BEDFORD,MA	12/10/13 12:30
L1325052-26	B07D (8-10)	NEW BEDFORD,MA	12/10/13 12:31
L1325052-27	B07D (13-15)	NEW BEDFORD,MA	12/10/13 12:32
L1325052-28	B07D (18-20)	NEW BEDFORD,MA	12/10/13 12:33
L1325052-29	B07D (23-25)	NEW BEDFORD,MA	12/10/13 12:34
L1325052-30	B07D (28-30)	NEW BEDFORD,MA	12/10/13 12:35
L1325052-31	B07D (30-31)	NEW BEDFORD,MA	12/10/13 12:36

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325052-32	B08D (0-2)	NEW BEDFORD,MA	12/10/13 13:55
L1325052-33	B08D (3-5)	NEW BEDFORD,MA	12/10/13 13:56
L1325052-34	B08D (8-10)	NEW BEDFORD,MA	12/10/13 13:57
L1325052-35	B08D (12.5)	NEW BEDFORD,MA	12/10/13 14:00
L1325052-36	B08D (13-15)	NEW BEDFORD,MA	12/10/13 14:01
L1325052-37	B08D (18-20)	NEW BEDFORD,MA	12/10/13 14:02
L1325052-38	B08D (23-25)	NEW BEDFORD,MA	12/10/13 14:03
L1325052-39	B08D (27.5-29.5)	NEW BEDFORD,MA	12/10/13 14:04

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued December 17, 2013, and includes the results of the PCB analysis on samples L1325052-04, -16, -17, -24, and -26.

MCP Related Narratives

Volatile Organics

L1325052-25: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

In reference to question H:

The continuing calibration standard, associated with L1325052-02, -08, -12, -21, -25 and -35, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

PCBs

L1325052-16 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:

L1325052-09, -15, -16, -17, -23, and -32: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1325052-09, -15, -16, -23, and -32 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses 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:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 12/26/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-02
 Client ID: B07A (2.5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/15/13 18:22
 Analyst: PP
 Percent Solids: 93%

Date Collected: 12/09/13 14:45
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.80	--	1
Chlorobenzene	ND		ug/kg	0.80	--	1
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
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	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	0.96		ug/kg	0.80	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	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
o-Chlorotoluene	ND		ug/kg	3.2	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-02
 Client ID: B07A (2.5)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/09/13 14:45
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	3.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-08
Client ID: TB-05
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/15/13 18:49
Analyst: PP
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/09/13 00:00
Date Received: 12/10/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-08
 Client ID: TB-05
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/09/13 00:00
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-08
 Client ID: TB-05
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/15/13 20:39
 Analyst: PP
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/09/13 00:00
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-08
 Client ID: TB-05
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/09/13 00:00
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-12
Client ID: B07B (13-15)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/15/13 19:17
Analyst: PP
Percent Solids: 87%

Date Collected: 12/10/13 08:50
Date Received: 12/10/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.7	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
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
Bromoform	ND		ug/kg	4.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.2	--	1
Vinyl chloride	100		ug/kg	2.1	--	1
Chloroethane	ND		ug/kg	2.1	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	--	1
cis-1,2-Dichloroethene	85		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
1,2-Dibromoethane	ND		ug/kg	4.2	--	1
1,3-Dichloropropane	ND		ug/kg	4.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
o-Chlorotoluene	ND		ug/kg	4.2	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-12
 Client ID: B07B (13-15)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/10/13 08:50
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.2	--	1
Hexachlorobutadiene	ND		ug/kg	4.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-21
Client ID: B07C (28-30)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/15/13 19:45
Analyst: PP
Percent Solids: 87%

Date Collected: 12/10/13 10:20
Date Received: 12/10/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	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
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
Bromoform	ND		ug/kg	4.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.4	--	1
Vinyl chloride	9.7		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	8.7		ug/kg	1.6	--	1
Trichloroethene	180		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	--	1
cis-1,2-Dichloroethene	220		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	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
o-Chlorotoluene	ND		ug/kg	4.4	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-21
 Client ID: B07C (28-30)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/10/13 10:20
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.4	--	1
Hexachlorobutadiene	ND		ug/kg	4.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	--	1

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-25
Client ID: B07D (5.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/16/13 13:31
Analyst: JC
Percent Solids: 81%

Date Collected: 12/10/13 12:30
Date Received: 12/10/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	820	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	120	--	1
Carbon tetrachloride	ND		ug/kg	82	--	1
1,2-Dichloropropane	ND		ug/kg	280	--	1
Dibromochloromethane	ND		ug/kg	82	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	82	--	1
Chlorobenzene	ND		ug/kg	82	--	1
1,2-Dichloroethane	ND		ug/kg	82	--	1
1,1,1-Trichloroethane	ND		ug/kg	82	--	1
Bromodichloromethane	ND		ug/kg	82	--	1
trans-1,3-Dichloropropene	ND		ug/kg	82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	82	--	1
Bromoform	ND		ug/kg	330	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	82	--	1
Chloromethane	ND		ug/kg	330	--	1
Vinyl chloride	ND		ug/kg	160	--	1
Chloroethane	ND		ug/kg	160	--	1
1,1-Dichloroethene	ND		ug/kg	82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1
Trichloroethene	ND		ug/kg	82	--	1
1,2-Dichlorobenzene	ND		ug/kg	330	--	1
1,3-Dichlorobenzene	ND		ug/kg	330	--	1
1,4-Dichlorobenzene	ND		ug/kg	330	--	1
cis-1,2-Dichloroethene	ND		ug/kg	82	--	1
Dichlorodifluoromethane	ND		ug/kg	820	--	1
1,2-Dibromoethane	ND		ug/kg	330	--	1
1,3-Dichloropropane	ND		ug/kg	330	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	82	--	1
o-Chlorotoluene	ND		ug/kg	330	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-25
 Client ID: B07D (5.5)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/10/13 12:30
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	330	--	1
Hexachlorobutadiene	ND		ug/kg	330	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	330	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-35
Client ID: B08D (12.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/15/13 20:12
Analyst: PP
Percent Solids: 18%

Date Collected: 12/10/13 14:00
Date Received: 12/10/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	140	--	1
1,1-Dichloroethane	ND		ug/kg	21	--	1
Chloroform	ND		ug/kg	21	--	1
Carbon tetrachloride	ND		ug/kg	14	--	1
1,2-Dichloropropane	ND		ug/kg	48	--	1
Dibromochloromethane	ND		ug/kg	14	--	1
1,1,2-Trichloroethane	ND		ug/kg	21	--	1
Tetrachloroethene	ND		ug/kg	14	--	1
Chlorobenzene	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	14	--	1
1,1,1-Trichloroethane	ND		ug/kg	14	--	1
Bromodichloromethane	ND		ug/kg	14	--	1
trans-1,3-Dichloropropene	ND		ug/kg	14	--	1
cis-1,3-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	55	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	14	--	1
Chloromethane	ND		ug/kg	55	--	1
Vinyl chloride	75		ug/kg	27	--	1
Chloroethane	ND		ug/kg	27	--	1
1,1-Dichloroethene	ND		ug/kg	14	--	1
trans-1,2-Dichloroethene	ND		ug/kg	21	--	1
Trichloroethene	ND		ug/kg	14	--	1
1,2-Dichlorobenzene	ND		ug/kg	55	--	1
1,3-Dichlorobenzene	ND		ug/kg	55	--	1
1,4-Dichlorobenzene	ND		ug/kg	55	--	1
cis-1,2-Dichloroethene	200		ug/kg	14	--	1
Dichlorodifluoromethane	ND		ug/kg	140	--	1
1,2-Dibromoethane	ND		ug/kg	55	--	1
1,3-Dichloropropane	ND		ug/kg	55	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	55	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-35
 Client ID: B08D (12.5)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/10/13 14:00
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	55	--	1
Hexachlorobutadiene	ND		ug/kg	55	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	55	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/15/13 14:16
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,08,12,21,35 Batch: WG659289-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/15/13 14:16
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,08,12,21,35 Batch: WG659289-3					
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	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/15/13 14:16
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,08,12,21,35 Batch: WG659289-3					
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	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/15/13 14:16
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG659305-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/15/13 14:16
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG659305-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/15/13 14:16
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG659305-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/16/13 09:52
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 25 Batch: WG659347-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/16/13 09:52
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 25 Batch: WG659347-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/16/13 09:52
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 25 Batch: WG659347-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,08,12,21,35 Batch: WG659289-1 WG659289-2								
Methylene chloride	85		83		70-130	2		20
1,1-Dichloroethane	87		86		70-130	1		20
Chloroform	89		86		70-130	3		20
Carbon tetrachloride	93		89		70-130	4		20
1,2-Dichloropropane	87		87		70-130	0		20
Dibromochloromethane	85		84		70-130	1		20
1,1,2-Trichloroethane	89		87		70-130	2		20
Tetrachloroethene	91		89		70-130	2		20
Chlorobenzene	90		87		70-130	3		20
Trichlorofluoromethane	84		83		70-130	1		20
1,2-Dichloroethane	86		85		70-130	1		20
1,1,1-Trichloroethane	89		87		70-130	2		20
Bromodichloromethane	87		85		70-130	2		20
trans-1,3-Dichloropropene	88		87		70-130	1		20
cis-1,3-Dichloropropene	88		87		70-130	1		20
1,1-Dichloropropene	89		87		70-130	2		20
Bromoform	85		82		70-130	4		20
1,1,2,2-Tetrachloroethane	86		84		70-130	2		20
Benzene	88		86		70-130	2		20
Toluene	89		86		70-130	3		20
Ethylbenzene	91		89		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,08,12,21,35 Batch: WG659289-1 WG659289-2								
Chloromethane	82		80		70-130	2		20
Bromomethane	90		86		70-130	5		20
Vinyl chloride	87		84		70-130	4		20
Chloroethane	92		90		70-130	2		20
1,1-Dichloroethene	90		87		70-130	3		20
trans-1,2-Dichloroethene	88		87		70-130	1		20
Trichloroethene	89		87		70-130	2		20
1,2-Dichlorobenzene	89		87		70-130	2		20
1,3-Dichlorobenzene	90		88		70-130	2		20
1,4-Dichlorobenzene	90		88		70-130	2		20
Methyl tert butyl ether	88		88		70-130	0		20
p/m-Xylene	91		89		70-130	2		20
o-Xylene	91		89		70-130	2		20
cis-1,2-Dichloroethene	88		87		70-130	1		20
Dibromomethane	85		85		70-130	0		20
1,2,3-Trichloropropane	85		82		70-130	4		20
Styrene	91		89		70-130	2		20
Dichlorodifluoromethane	64	Q	62	Q	70-130	3		20
Acetone	146	Q	125		70-130	15		20
Carbon disulfide	88		86		70-130	2		20
Methyl ethyl ketone	101		100		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,08,12,21,35 Batch: WG659289-1 WG659289-2								
Methyl isobutyl ketone	87		88		70-130	1		20
2-Hexanone	99		92		70-130	7		20
Bromochloromethane	88		88		70-130	0		20
Tetrahydrofuran	89		90		70-130	1		20
2,2-Dichloropropane	91		87		70-130	4		20
1,2-Dibromoethane	87		86		70-130	1		20
1,3-Dichloropropane	88		85		70-130	3		20
1,1,1,2-Tetrachloroethane	89		87		70-130	2		20
Bromobenzene	88		87		70-130	1		20
n-Butylbenzene	94		91		70-130	3		20
sec-Butylbenzene	92		89		70-130	3		20
tert-Butylbenzene	92		90		70-130	2		20
o-Chlorotoluene	89		88		70-130	1		20
p-Chlorotoluene	89		87		70-130	2		20
1,2-Dibromo-3-chloropropane	84		82		70-130	2		20
Hexachlorobutadiene	93		90		70-130	3		20
Isopropylbenzene	89		87		70-130	2		20
p-Isopropyltoluene	92		90		70-130	2		20
Naphthalene	85		85		70-130	0		20
n-Propylbenzene	91		89		70-130	2		20
1,2,3-Trichlorobenzene	90		87		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,08,12,21,35 Batch: WG659289-1 WG659289-2								
1,2,4-Trichlorobenzene	92		89		70-130	3		20
1,3,5-Trimethylbenzene	92		88		70-130	4		20
1,2,4-Trimethylbenzene	91		88		70-130	3		20
Diethyl ether	86		84		70-130	2		20
Diisopropyl Ether	89		87		70-130	2		20
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		20
Tertiary-Amyl Methyl Ether	115		115		70-130	0		20
1,4-Dioxane	106		101		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG659305-1 WG659305-2								
Methylene chloride	85		83		70-130	2		20
1,1-Dichloroethane	87		86		70-130	1		20
Chloroform	89		86		70-130	3		20
Carbon tetrachloride	93		89		70-130	4		20
1,2-Dichloropropane	87		87		70-130	0		20
Dibromochloromethane	85		84		70-130	1		20
1,1,2-Trichloroethane	89		87		70-130	2		20
Tetrachloroethene	91		89		70-130	2		20
Chlorobenzene	90		87		70-130	3		20
Trichlorofluoromethane	84		83		70-130	1		20
1,2-Dichloroethane	86		85		70-130	1		20
1,1,1-Trichloroethane	89		87		70-130	2		20
Bromodichloromethane	87		85		70-130	2		20
trans-1,3-Dichloropropene	88		87		70-130	1		20
cis-1,3-Dichloropropene	88		87		70-130	1		20
1,1-Dichloropropene	89		87		70-130	2		20
Bromoform	85		82		70-130	4		20
1,1,2,2-Tetrachloroethane	86		84		70-130	2		20
Benzene	88		86		70-130	2		20
Toluene	89		86		70-130	3		20
Ethylbenzene	91		89		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG659305-1 WG659305-2								
Chloromethane	82		80		70-130	2		20
Bromomethane	90		86		70-130	5		20
Vinyl chloride	87		84		70-130	4		20
Chloroethane	92		90		70-130	2		20
1,1-Dichloroethene	90		87		70-130	3		20
trans-1,2-Dichloroethene	88		87		70-130	1		20
Trichloroethene	89		87		70-130	2		20
1,2-Dichlorobenzene	89		87		70-130	2		20
1,3-Dichlorobenzene	90		88		70-130	2		20
1,4-Dichlorobenzene	90		88		70-130	2		20
Methyl tert butyl ether	88		88		70-130	0		20
p/m-Xylene	91		89		70-130	2		20
o-Xylene	91		89		70-130	2		20
cis-1,2-Dichloroethene	88		87		70-130	1		20
Dibromomethane	85		85		70-130	0		20
1,2,3-Trichloropropane	85		82		70-130	4		20
Styrene	91		89		70-130	2		20
Dichlorodifluoromethane	64	Q	62	Q	70-130	3		20
Acetone	146	Q	125		70-130	15		20
Carbon disulfide	88		86		70-130	2		20
Methyl ethyl ketone	101		100		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG659305-1 WG659305-2								
Methyl isobutyl ketone	87		88		70-130	1		20
2-Hexanone	99		92		70-130	7		20
Bromochloromethane	88		88		70-130	0		20
Tetrahydrofuran	89		90		70-130	1		20
2,2-Dichloropropane	91		87		70-130	4		20
1,2-Dibromoethane	87		86		70-130	1		20
1,3-Dichloropropane	88		85		70-130	3		20
1,1,1,2-Tetrachloroethane	89		87		70-130	2		20
Bromobenzene	88		87		70-130	1		20
n-Butylbenzene	94		91		70-130	3		20
sec-Butylbenzene	92		89		70-130	3		20
tert-Butylbenzene	92		90		70-130	2		20
o-Chlorotoluene	89		88		70-130	1		20
p-Chlorotoluene	89		87		70-130	2		20
1,2-Dibromo-3-chloropropane	84		82		70-130	2		20
Hexachlorobutadiene	93		90		70-130	3		20
Isopropylbenzene	89		87		70-130	2		20
p-Isopropyltoluene	92		90		70-130	2		20
Naphthalene	85		85		70-130	0		20
n-Propylbenzene	91		89		70-130	2		20
1,2,3-Trichlorobenzene	90		87		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG659305-1 WG659305-2								
1,2,4-Trichlorobenzene	92		89		70-130	3		20
1,3,5-Trimethylbenzene	92		88		70-130	4		20
1,2,4-Trimethylbenzene	91		88		70-130	3		20
Diethyl ether	86		84		70-130	2		20
Diisopropyl Ether	89		87		70-130	2		20
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		20
Tertiary-Amyl Methyl Ether	115		115		70-130	0		20
1,4-Dioxane	106		101		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 25 Batch: WG659347-1 WG659347-2								
Methylene chloride	87		90		70-130	3		20
1,1-Dichloroethane	87		91		70-130	4		20
Chloroform	90		92		70-130	2		20
Carbon tetrachloride	93		96		70-130	3		20
1,2-Dichloropropane	88		91		70-130	3		20
Dibromochloromethane	86		90		70-130	5		20
1,1,2-Trichloroethane	89		92		70-130	3		20
Tetrachloroethene	89		93		70-130	4		20
Chlorobenzene	90		93		70-130	3		20
Trichlorofluoromethane	88		90		70-130	2		20
1,2-Dichloroethane	86		90		70-130	5		20
1,1,1-Trichloroethane	90		92		70-130	2		20
Bromodichloromethane	88		91		70-130	3		20
trans-1,3-Dichloropropene	88		91		70-130	3		20
cis-1,3-Dichloropropene	90		93		70-130	3		20
1,1-Dichloropropene	90		92		70-130	2		20
Bromoform	85		88		70-130	3		20
1,1,2,2-Tetrachloroethane	85		91		70-130	7		20
Benzene	88		91		70-130	3		20
Toluene	88		91		70-130	3		20
Ethylbenzene	91		94		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 25 Batch: WG659347-1 WG659347-2								
Chloromethane	75		78		70-130	4		20
Bromomethane	85		88		70-130	3		20
Vinyl chloride	81		82		70-130	1		20
Chloroethane	90		97		70-130	7		20
1,1-Dichloroethene	89		91		70-130	2		20
trans-1,2-Dichloroethene	89		92		70-130	3		20
Trichloroethene	90		93		70-130	3		20
1,2-Dichlorobenzene	89		93		70-130	4		20
1,3-Dichlorobenzene	90		93		70-130	3		20
1,4-Dichlorobenzene	90		93		70-130	3		20
Methyl tert butyl ether	90		94		70-130	4		20
p/m-Xylene	91		94		70-130	3		20
o-Xylene	91		95		70-130	4		20
cis-1,2-Dichloroethene	90		92		70-130	2		20
Dibromomethane	88		90		70-130	2		20
1,2,3-Trichloropropane	84		90		70-130	7		20
Styrene	91		94		70-130	3		20
Dichlorodifluoromethane	59	Q	61	Q	70-130	3		20
Acetone	154	Q	151	Q	70-130	2		20
Carbon disulfide	85		87		70-130	2		20
Methyl ethyl ketone	110		112		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 25 Batch: WG659347-1 WG659347-2								
Methyl isobutyl ketone	90		93		70-130	3		20
2-Hexanone	106		108		70-130	2		20
Bromochloromethane	88		93		70-130	6		20
Tetrahydrofuran	93		95		70-130	2		20
2,2-Dichloropropane	90		92		70-130	2		20
1,2-Dibromoethane	86		91		70-130	6		20
1,3-Dichloropropane	88		91		70-130	3		20
1,1,1,2-Tetrachloroethane	90		93		70-130	3		20
Bromobenzene	89		91		70-130	2		20
n-Butylbenzene	93		96		70-130	3		20
sec-Butylbenzene	91		94		70-130	3		20
tert-Butylbenzene	90		94		70-130	4		20
o-Chlorotoluene	90		93		70-130	3		20
p-Chlorotoluene	89		93		70-130	4		20
1,2-Dibromo-3-chloropropane	85		90		70-130	6		20
Hexachlorobutadiene	94		96		70-130	2		20
Isopropylbenzene	88		91		70-130	3		20
p-Isopropyltoluene	92		95		70-130	3		20
Naphthalene	88		92		70-130	4		20
n-Propylbenzene	90		93		70-130	3		20
1,2,3-Trichlorobenzene	89		92		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 25 Batch: WG659347-1 WG659347-2								
1,2,4-Trichlorobenzene	92		95		70-130	3		20
1,3,5-Trimethylbenzene	90		94		70-130	4		20
1,2,4-Trimethylbenzene	91		93		70-130	2		20
Diethyl ether	84		88		70-130	5		20
Diisopropyl Ether	89		91		70-130	2		20
Ethyl-Tert-Butyl-Ether	106		109		70-130	3		20
Tertiary-Amyl Methyl Ether	132	Q	136	Q	70-130	3		20
1,4-Dioxane	109		116		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	98		96		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-01
Client ID: B07A (0-2)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/14/13 01:41
Analyst: KB
Percent Solids: 95%

Date Collected: 12/09/13 14:40
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/11/13 09:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/12/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.5	--	1	A
Aroclor 1221	ND		ug/kg	20.5	--	1	A
Aroclor 1232	ND		ug/kg	20.5	--	1	A
Aroclor 1242	ND		ug/kg	20.5	--	1	A
Aroclor 1248	ND		ug/kg	13.7	--	1	A
Aroclor 1254	238		ug/kg	20.5	--	1	B
Aroclor 1260	ND		ug/kg	13.7	--	1	A
Aroclor 1262	ND		ug/kg	6.84	--	1	A
Aroclor 1268	ND		ug/kg	6.84	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-02
Client ID: B07A (2.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/14/13 01:54
Analyst: KB
Percent Solids: 93%

Date Collected: 12/09/13 14:45
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/11/13 09:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/12/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.1	--	1	A
Aroclor 1221	ND		ug/kg	20.1	--	1	A
Aroclor 1232	ND		ug/kg	20.1	--	1	A
Aroclor 1242	176		ug/kg	20.1	--	1	B
Aroclor 1248	ND		ug/kg	13.4	--	1	A
Aroclor 1254	103		ug/kg	20.1	--	1	B
Aroclor 1260	ND		ug/kg	13.4	--	1	A
Aroclor 1262	ND		ug/kg	6.71	--	1	A
Aroclor 1268	ND		ug/kg	6.71	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-04
Client ID: B07A (8-10)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 15:18
Analyst: JW
Percent Solids: 91%

Date Collected: 12/09/13 14:51
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 15:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.4	--	1	A
Aroclor 1221	ND		ug/kg	21.4	--	1	A
Aroclor 1232	ND		ug/kg	21.4	--	1	A
Aroclor 1242	ND		ug/kg	21.4	--	1	A
Aroclor 1248	ND		ug/kg	14.3	--	1	A
Aroclor 1254	ND		ug/kg	21.4	--	1	A
Aroclor 1260	ND		ug/kg	14.3	--	1	A
Aroclor 1262	ND		ug/kg	7.14	--	1	A
Aroclor 1268	ND		ug/kg	7.14	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-09 D
 Client ID: B07B (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/16/13 16:00
 Analyst: KB
 Percent Solids: 94%

Date Collected: 12/10/13 08:45
 Date Received: 12/10/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/11/13 09:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	200	--	10	A
Aroclor 1221	ND		ug/kg	200	--	10	A
Aroclor 1232	ND		ug/kg	200	--	10	A
Aroclor 1242	2840		ug/kg	200	--	10	B
Aroclor 1248	ND		ug/kg	134	--	10	A
Aroclor 1254	2910		ug/kg	200	--	10	B
Aroclor 1260	ND		ug/kg	134	--	10	A
Aroclor 1262	ND		ug/kg	66.8	--	10	A
Aroclor 1268	ND		ug/kg	66.8	--	10	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-12
Client ID: B07B (13-15)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/14/13 02:20
Analyst: KB
Percent Solids: 87%

Date Collected: 12/10/13 08:50
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/11/13 09:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/12/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.4	--	1	A
Aroclor 1221	ND		ug/kg	22.4	--	1	A
Aroclor 1232	ND		ug/kg	22.4	--	1	A
Aroclor 1242	ND		ug/kg	22.4	--	1	A
Aroclor 1248	ND		ug/kg	14.9	--	1	A
Aroclor 1254	ND		ug/kg	22.4	--	1	A
Aroclor 1260	ND		ug/kg	14.9	--	1	A
Aroclor 1262	ND		ug/kg	7.47	--	1	A
Aroclor 1268	ND		ug/kg	7.47	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-15 D
 Client ID: B07C (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/16/13 16:13
 Analyst: KB
 Percent Solids: 96%

Date Collected: 12/10/13 10:14
 Date Received: 12/10/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/11/13 09:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	2050	--	100	A
Aroclor 1221	ND		ug/kg	2050	--	100	A
Aroclor 1232	ND		ug/kg	2050	--	100	A
Aroclor 1242	ND		ug/kg	2050	--	100	A
Aroclor 1248	ND		ug/kg	1370	--	100	A
Aroclor 1254	48200		ug/kg	2050	--	100	B
Aroclor 1260	ND		ug/kg	1370	--	100	A
Aroclor 1262	ND		ug/kg	684	--	100	A
Aroclor 1268	ND		ug/kg	684	--	100	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-16 D
 Client ID: B07C (3-5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/26/13 10:21
 Analyst: JW
 Percent Solids: 73%

Date Collected: 12/10/13 10:15
 Date Received: 12/10/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	540	--	20	A
Aroclor 1221	ND		ug/kg	540	--	20	A
Aroclor 1232	ND		ug/kg	540	--	20	A
Aroclor 1242	ND		ug/kg	540	--	20	A
Aroclor 1248	ND		ug/kg	360	--	20	A
Aroclor 1254	ND		ug/kg	540	--	20	A
Aroclor 1260	ND		ug/kg	360	--	20	A
Aroclor 1262	ND		ug/kg	180	--	20	A
Aroclor 1268	ND		ug/kg	180	--	20	A

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

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-17
 Client ID: B07C (8-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/24/13 15:43
 Analyst: JW
 Percent Solids: 16%

Date Collected: 12/10/13 10:16
 Date Received: 12/10/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	117	--	1	A
Aroclor 1221	ND		ug/kg	117	--	1	A
Aroclor 1232	ND		ug/kg	117	--	1	A
Aroclor 1242	ND		ug/kg	117	--	1	A
Aroclor 1248	ND		ug/kg	77.7	--	1	A
Aroclor 1254	ND		ug/kg	117	--	1	A
Aroclor 1260	ND		ug/kg	77.7	--	1	A
Aroclor 1262	ND		ug/kg	38.9	--	1	A
Aroclor 1268	ND		ug/kg	38.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-21
Client ID: B07C (28-30)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/14/13 02:47
Analyst: KB
Percent Solids: 87%

Date Collected: 12/10/13 10:20
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/11/13 09:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/12/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.8	--	1	A
Aroclor 1221	ND		ug/kg	21.8	--	1	A
Aroclor 1232	ND		ug/kg	21.8	--	1	A
Aroclor 1242	ND		ug/kg	21.8	--	1	A
Aroclor 1248	ND		ug/kg	14.5	--	1	A
Aroclor 1254	ND		ug/kg	21.8	--	1	B
Aroclor 1260	ND		ug/kg	14.5	--	1	A
Aroclor 1262	ND		ug/kg	7.26	--	1	A
Aroclor 1268	ND		ug/kg	7.26	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-23 D
Client ID: B07D (0-2)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/16/13 16:27
Analyst: KB
Percent Solids: 89%

Date Collected: 12/10/13 12:28
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/11/13 09:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/12/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	1090	--	50	A
Aroclor 1221	ND		ug/kg	1090	--	50	A
Aroclor 1232	ND		ug/kg	1090	--	50	A
Aroclor 1242	ND		ug/kg	1090	--	50	A
Aroclor 1248	ND		ug/kg	724	--	50	A
Aroclor 1254	9620		ug/kg	1090	--	50	B
Aroclor 1260	ND		ug/kg	724	--	50	A
Aroclor 1262	ND		ug/kg	362	--	50	A
Aroclor 1268	ND		ug/kg	362	--	50	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-24
Client ID: B07D (3-5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 15:55
Analyst: JW
Percent Solids: 85%

Date Collected: 12/10/13 12:29
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 15:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.5	--	1	A
Aroclor 1221	ND		ug/kg	22.5	--	1	A
Aroclor 1232	ND		ug/kg	22.5	--	1	A
Aroclor 1242	ND		ug/kg	22.5	--	1	A
Aroclor 1248	ND		ug/kg	15.0	--	1	A
Aroclor 1254	ND		ug/kg	22.5	--	1	A
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.51	--	1	A
Aroclor 1268	ND		ug/kg	7.51	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-25
Client ID: B07D (5.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/14/13 03:13
Analyst: KB
Percent Solids: 81%

Date Collected: 12/10/13 12:30
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/11/13 09:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/12/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.9	--	1	A
Aroclor 1221	ND		ug/kg	23.9	--	1	A
Aroclor 1232	ND		ug/kg	23.9	--	1	A
Aroclor 1242	ND		ug/kg	23.9	--	1	A
Aroclor 1248	ND		ug/kg	15.9	--	1	A
Aroclor 1254	ND		ug/kg	23.9	--	1	A
Aroclor 1260	ND		ug/kg	15.9	--	1	A
Aroclor 1262	ND		ug/kg	7.96	--	1	A
Aroclor 1268	ND		ug/kg	7.96	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-26
 Client ID: B07D (8-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/24/13 16:08
 Analyst: JW
 Percent Solids: 82%

Date Collected: 12/10/13 12:31
 Date Received: 12/10/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.1	--	1	A
Aroclor 1221	ND		ug/kg	23.1	--	1	A
Aroclor 1232	ND		ug/kg	23.1	--	1	A
Aroclor 1242	ND		ug/kg	23.1	--	1	A
Aroclor 1248	ND		ug/kg	15.4	--	1	A
Aroclor 1254	ND		ug/kg	23.1	--	1	A
Aroclor 1260	ND		ug/kg	15.4	--	1	A
Aroclor 1262	ND		ug/kg	7.71	--	1	A
Aroclor 1268	ND		ug/kg	7.71	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-32 D
 Client ID: B08D (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 12:29
 Analyst: JW
 Percent Solids: 91%

Date Collected: 12/10/13 13:55
 Date Received: 12/10/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/16/13 17:52
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/17/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	10600	--	500	A
Aroclor 1221	ND		ug/kg	10600	--	500	A
Aroclor 1232	ND		ug/kg	10600	--	500	A
Aroclor 1242	ND		ug/kg	10600	--	500	A
Aroclor 1248	ND		ug/kg	7030	--	500	A
Aroclor 1254	66300		ug/kg	10600	--	500	B
Aroclor 1260	ND		ug/kg	7030	--	500	A
Aroclor 1262	ND		ug/kg	3520	--	500	A
Aroclor 1268	ND		ug/kg	3520	--	500	A

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

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-35
 Client ID: B08D (12.5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/14/13 03:26
 Analyst: KB
 Percent Solids: 18%

Date Collected: 12/10/13 14:00
 Date Received: 12/10/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/11/13 09:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	106	--	1	A
Aroclor 1221	ND		ug/kg	106	--	1	A
Aroclor 1232	ND		ug/kg	106	--	1	A
Aroclor 1242	ND		ug/kg	106	--	1	A
Aroclor 1248	ND		ug/kg	70.6	--	1	A
Aroclor 1254	324		ug/kg	106	--	1	B
Aroclor 1260	ND		ug/kg	70.6	--	1	A
Aroclor 1262	ND		ug/kg	35.3	--	1	A
Aroclor 1268	ND		ug/kg	35.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/14/13 03:40
 Analyst: KB

Extraction Method: EPA 3540C
 Extraction Date: 12/11/13 09:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/12/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/12/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02,09,12,15,21,23,25,35 Batch: WG657974-1						
Aroclor 1016	ND		ug/kg	19.4	--	A
Aroclor 1221	ND		ug/kg	19.4	--	A
Aroclor 1232	ND		ug/kg	19.4	--	A
Aroclor 1242	ND		ug/kg	19.4	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.4	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.48	--	A
Aroclor 1268	ND		ug/kg	6.48	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	137		30-150	B



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
 Analytical Date: 12/17/13 12:42
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/16/13 17:52
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/17/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 32 Batch: WG659405-1						
Aroclor 1016	ND		ug/kg	19.7	--	A
Aroclor 1221	ND		ug/kg	19.7	--	A
Aroclor 1232	ND		ug/kg	19.7	--	A
Aroclor 1242	ND		ug/kg	19.7	--	A
Aroclor 1248	ND		ug/kg	13.1	--	A
Aroclor 1254	ND		ug/kg	19.7	--	A
Aroclor 1260	ND		ug/kg	13.1	--	A
Aroclor 1262	ND		ug/kg	6.56	--	A
Aroclor 1268	ND		ug/kg	6.56	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/24/13 17:21
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 04,16-17,24,26 Batch: WG661091-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.38	--	A
Aroclor 1268	ND		ug/kg	6.38	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	75		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-02,09,12,15,21,23,25,35 Batch: WG657974-2 WG657974-3									
Aroclor 1016	85		82		40-140	4		30	A
Aroclor 1260	73		74		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		89		30-150	A
Decachlorobiphenyl	83		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	B
Decachlorobiphenyl	109		143		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 32 Batch: WG659405-2 WG659405-3									
Aroclor 1016	73		82		40-140	12		30	A
Aroclor 1260	77		87		40-140	12		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		86		30-150	A
Decachlorobiphenyl	90		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		87		30-150	B
Decachlorobiphenyl	92		100		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 04,16-17,24,26 Batch: WG661091-2 WG661091-3									
Aroclor 1016	59		71		40-140	18		30	A
Aroclor 1260	52		64		40-140	21		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		66		30-150	A
Decachlorobiphenyl	50		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		74		30-150	B
Decachlorobiphenyl	57		73		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-01
 Client ID: B07A (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/09/13 14:40
 Date Received: 12/10/13
 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	95.0		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-02
 Client ID: B07A (2.5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/09/13 14:45
 Date Received: 12/10/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	12/13/13 01:07	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-04
 Client ID: B07A (8-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/09/13 14:51
 Date Received: 12/10/13
 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	91.2		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-09
 Client ID: B07B (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/10/13 08:45
 Date Received: 12/10/13
 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	94.3		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-12
 Client ID: B07B (13-15)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/10/13 08:50
 Date Received: 12/10/13
 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	87.3		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-15
Client ID: B07C (0-2)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/10/13 10:14
Date Received: 12/10/13
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	96.3		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-16
Client ID: B07C (3-5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/10/13 10:15
Date Received: 12/10/13
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	72.6		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-17
 Client ID: B07C (8-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/10/13 10:16
 Date Received: 12/10/13
 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	16.2		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-21
 Client ID: B07C (28-30)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/10/13 10:20
 Date Received: 12/10/13
 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	87.0		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-23
 Client ID: B07D (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/10/13 12:28
 Date Received: 12/10/13
 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	88.8		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-24
 Client ID: B07D (3-5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/10/13 12:29
 Date Received: 12/10/13
 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	85.4		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-25
Client ID: B07D (5.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/10/13 12:30
Date Received: 12/10/13
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	81.2		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-26
Client ID: B07D (8-10)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/10/13 12:31
Date Received: 12/10/13
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	81.7		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325052-32
 Client ID: B08D (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/10/13 13:55
 Date Received: 12/10/13
 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	91.3		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325052**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325052-35
 Client ID: B08D (12.5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/10/13 14:00
 Date Received: 12/10/13
 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	18.2		%	0.100	NA	1	-	12/11/13 23:52	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325052

Report Date: 12/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,09,12,15,21,23,25,32,35 QC Batch ID: WG658248-1 QC Sample: L1324792-01 Client ID: DUP Sample						
Solids, Total	85.7	86.9	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG658665-1 QC Sample: L1324529-01 Client ID: DUP Sample						
Solids, Total	42.4	40.0	%	6		20
General Chemistry - Westborough Lab Associated sample(s): 04,16-17,24,26 QC Batch ID: WG660123-1 QC Sample: L1324962-10 Client ID: DUP Sample						
Solids, Total	19.6	22.8	%	15		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1325052

Project Number: 39744051.10003

Report Date: 12/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/10/2013 21:32

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325052-01A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-02A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-02B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-02C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-02D	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-03A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-04A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-05A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-06A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-07A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-08A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325052-08B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325052-08C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325052-09A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-10A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-11A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-12A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-12B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-12C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-12D	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-13A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-14A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-15A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325052

Report Date: 12/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325052-16A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-17A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-18A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-19A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-20A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-21A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-21B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-21C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-21D	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-22A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-23A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-24A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-25A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-25B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-25C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-25D	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-26A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-27A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-28A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-29A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-30A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-31A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-32A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-33A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-34A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-35A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-35B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-35C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325052-35D	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325052-36A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-37A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325052-38A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE**Project Number:** 39744051.10003**Lab Number:** L1325052**Report Date:** 12/26/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325052-39A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325052
Report Date: 12/26/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 4

Date Rec'd in Lab: 12/10/13

ALPHA Job #: L1325052

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: *Aerovox Geopole*

Project Location: *New Bedford, MA*

Project #: *39744051.10003*

Project Manager: *J. LeClair/M. Wade*

ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL Same as Client info PO #:

Client Information

Client: *URS*

Address: *1155 Elm St, Suite 401
Manchester, NH 03101*

Phone: *(603) 606-4800*

Email: *judith.leclair@urs.com*

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: *12/17/13*

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 _____

Additional Project Information:

12/19: updates per JL-MG

ANALYSIS		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 <input type="checkbox"/> PPT3	Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<i>Total Solids (from PCB)</i>		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time						
25052-01	B07A(0-2)	12.9.13	1440	S	JKH				1
02	B07A(2-5)	↓	1445	S	JKH			CVOC	4
03	B07A(3-5)		1450	S	JKH			HOLD	1
04	B07A(8-10)		1451	S	JKH			HOLD	1
05	B07A(13-15)		1452	S	JKH			HOLD	1
06	B07A(18-20)		1453	S	JKH			HOLD	1
07	B07A(23-25)		1454	S	JKH			HOLD	1
08	TB-05				TB				CVOC
09	B07B(0-2)	12.10.13	0845	S	JKH				1
10	B07B(3-5)	12.10.13	0846	S	JKH			HOLD	1

Container Type: Plastic, Amber glass, Vial, Glass, Bacteria cup, Cube, Other, Encore, BOD Bottle

Preservative: None, HCl, HNO₃, H₂SO₄, NaOH, MeOH, NaHSO₄, Na₂S₂O₈, Ascorbic Acid, NH₄Cl, Zn Acetate, Other

Container Type	<input checked="" type="checkbox"/>	6
Preservative	<input type="checkbox"/>	A

Relinquished By: *[Signature]* Date/Time: *12/10/13 1505*

Received By: *[Signature]* Date/Time: *12/10/13 1505*

12-10-13 17305 *[Signature]* *12/10/13 1745*

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/10/13

ALPHA Job #: L1325052

Project Information

Project Name: *Aerovox Geopole*

Project Location: *New Bedford, MA*

Project #: *39744051.10003*

Project Manager: *J. LeClair/M. Wade*

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: *12/17/13*

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: *URS*

Address: *1155 Elm St, Suite 401
Manchester, NH 03101*

Phone: *(603) 606-4800*

Email: *judith.leclair@urs.com*

Additional Project Information:

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		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	<input type="checkbox"/> Field	<input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 <input type="checkbox"/> PPT3	<input type="checkbox"/> Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Total Solids (from PCB)	
PCB	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	TOTAL # BOTTLES	Sample Comments
		Date	Time				
25052-01	B07A(0-2)	12.9.13	1440	S	JKH	1	
02	B07A(2-5)	↓	1445	S	JKH	3	CVOC
03	B07A(3-5)		1450	S	JKH	1	HOLD
04	B07A(8-10)		1451	S	JKH	1	HOLD
05	B07A(13-15)		1452	S	JKH	1	HOLD
06	B07A(18-20)		1453	S	JKH	1	HOLD
07	B07A(23-25)		1454	S	JKH	1	HOLD
08	TB-05				TB		3
09	B07B(0-2)	12.10.13	0845	S	JKH	1	
10	B07B(3-5)	12.10.13	0846	S	JKH	1	HOLD

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H = Na₂S₂O₈
I= Ascorbic Acid
J = NH₄Cl
K= Zn Acetate
O= Other

Container Type V G B C O E D

Preservative A B C D E F G H I J K O

Relinquished By: <i>[Signature]</i>	Date/Time: <i>12/10/13 1505</i>	Received By: <i>[Signature]</i>	Date/Time: <i>12/10/13 1505</i>
<i>[Signature]</i>	<i>12/10/13 1730</i>	<i>[Signature]</i>	<i>12/10/13 1745</i>

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 4

Date Rec'd in Lab: 12/10/13

ALPHA Job #: L1325052

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-8220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: *Aerovox Geoprobe*

Project Location: *New Bedford, MA*

Project #: *39744057.10003*

Project Manager: *J. Leclair/M. Wade*

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: *URS*

Address: *1155 Elm St, Suite 401
Manchester, NH 03101*

Phone: *(603) 606-4800*

Email: *Judith.leclair@urs.com*

Additional Project Information:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: *12/17/13*

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		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	TOTAL # BOTTLES
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPI3	<input type="checkbox"/> Field	
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Preservation	
<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<input type="checkbox"/> Lab to do	
<i>Total Solids (Use from PCB)</i>		Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CVOC	SVOC	METALS	EPH	VPH	PCB	TPH	Total Solids	Filtration	Preservation	Sample Comments	TOTAL # BOTTLES		
		Date	Time																
25052-11	B07B(8-10)	12-10-13	0847	S	JKH												HOLD	1	
12	B07B(13-15)		0850	S	JKH	3									X			CVOC	4
13	B07B(18-20)		0851	S	JKH													HOLD	1
14	B07B(20-21)		0852	S	JKH													HOLD	1
15	B07C(0-2)		1614 1044	S	JKH														1
16	B07C(3-5)		1015 1042	S	JKH													HOLD	1
17	B07C(8-10)		1016 1043	S	JKH													HOLD	1
18	B07C(13-15)		1017 1044	S	JKH													HOLD	1
19	B07C(18-20)		1018	S	JKH													HOLD	1
20	B07C(23-25)		1019	S	JKH													HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V

G

Preservative O

A

Relinquished By:

Date/Time

Received By:

Date/Time

Judith Leclair
12/10/13

Michael McLean
12/10/13 1505

Michael McLean
12/10/13 1600

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



8 Walkup Drive
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320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 2 OF 4

Date Rec'd in Lab: 12/10/13

ALPHA Job #: L1325052

Project Information

Project Name: Aerovox Geoprabe

Project Location: New Bedford, MA

Project #: 39744057.10003

Project Manager: J. Leclair/M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Same as Client info

PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Additional Project Information:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/17/13

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

CVOC: 8260 624 524.2

SVOC: ABN PAH

METALS: MCP 13 MCP 14 RCP 15

METALS: RCRA5 RCRA8 PPI3

EPH: Ranges & Targets Ranges Only

VPH: Ranges & Targets Ranges Only

PCB PEST

TPH: Quant Only Fingerprint

Total Solids (Use from PCB)

SAMPLE INFO

Filtration

Field Lab to do

Preservation

Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES			
		Date	Time			CVOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	Other					
25052-11	B07B(8-10)	12-10-13	0847	S	JKH													1	HOLD	1
12	B07B(13-15)		0850	S	JKH	3												4	CVOC	4
13	B07B(18-20)		0851	S	JKH													1	HOLD	1
14	B07B(20-21)		0852	S	JKH													1	HOLD	1
15	B07C(0-2)		1614 1044	S	JKH													1		1
16	B07C(3-5)		1015 1042	S	JKH													1	HOLD	1
17	B07C(8-10)		1016 1043	S	JKH													1	HOLD	1
18	B07C(13-15)		1017 1044	S	JKH													1	HOLD	1
19	B07C(18-20)		1018	S	JKH													1	HOLD	1
20	B07C(23-25)		1019	S	JKH													1	HOLD	1

Container Type	P= Plastic	Preservative	A= None	Container Type	V														
	A= Amber glass		B= HCl																
	V= Vial		C= HNO ₃	Preservative	O														
	G= Glass		D= H ₂ SO ₄																
	B= Bacteria cup		E= NaOH																
	C= Cube		F= MeOH																
	O= Other		G= NaHSO ₄																
	E= Encore		H= Na ₂ S ₂ O ₃																
	D= BOD Bottle		I= Ascorbic Acid																
			J= NH ₄ Cl																
			K= Zn Acetate																
			O= Other																

Relinquished By:	Date/Time:	Received By:	Date/Time:	All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
<i>[Signature]</i>	12/10/13 1505	<i>[Signature]</i>	12/10/13 1505	FORM NO: 01-01 (rev. 12-Mar-2012)
	12/10/13		12/10/13 1600	
	12-10-13 1505	<i>[Signature]</i>	12/10/13 1745	



CHAIN OF CUSTODY

PAGE 3 OF 4

Date Rec'd in Lab: 12/10/13

ALPHA Job #: 21325052

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051-10003
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, Nht 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/17/13

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

Additional Project Information:

ANALYSIS		SAMPLE INFO	
DOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAB <input type="checkbox"/> PPI3	<input type="checkbox"/> Field	
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Preservation	
TPH: <input type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<input type="checkbox"/> Lab to do	
<u>Total Solids (from PCB)</u>		<input type="checkbox"/> Lab to do	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	OVC	3	1	X	Sample Comments	TOTAL # BOTTLES
		Date	Time								
25052-21	B07C (28-30)	12.10.13	1020	S	JKH					CVOC	4
22	B07C (30-32)		1021	S	JKH					HOLD	1
23	B07D (0-2)		1228	S	JKH						1
24	B07D (3-5)		1229	S	JKH					HOLD	1
25	B07D (5.5)		1230	S	JKH	3			X	CVOC	4
26	B07D (8-10)		1231	S	JKH					HOLD	1
27	B07D (13-15)		1232	S	JKH					HOLD	1
28	B07D (18-20)		1233	S	JKH					HOLD	1
29	B07D (23-25)		1234	S	JKH					HOLD	1
30	B07D (28-30)		1235	S	JKH					HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V
Preservative O

Relinquished By: Jeffrey Kollar Date/Time: 12/10/13 1505
J. LeClair Date/Time: 12/10/13 14:55

Received By: YCW Date/Time: 12/10/13 1505
J. LeClair Date/Time: 12/10/13 16:00
McLean Date/Time: 12/10/13 17:45

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 4

Date Rec'd in Lab: 12/10/13

ALPHA Job #: 21325052

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051-10003
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, Nht 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/17/13

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 _____

Additional Project Information:

ANALYSIS		SAMPLE INFO	
DOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAB <input type="checkbox"/> PPI3	<input type="checkbox"/> Lab to do	Preservation
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> Lab to do	
TPH: <input type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
<u>Total Solids (from PCB)</u>			

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	OOC	3	1	X			Sample Comments	TOTAL # BOTTLES
		Date	Time										
25052-21	B07C (28-30)	12.10.13	1020	S	JKH							CVOC	4
22	B07C (30-32)		1021	S	JKH							HOLD	1
23	B07D (0-2)		1228	S	JKH								1
24	B07D (3-5)		1229	S	JKH							HOLD	1
25	B07D (5.5)		1230	S	JKH	3			X			CVOC	4
26	B07D (8-10)		1231	S	JKH							HOLD	1
27	B07D (13-15)		1232	S	JKH							HOLD	1
28	B07D (18-20)		1233	S	JKH							HOLD	1
29	B07D (23-25)		1234	S	JKH							HOLD	1
30	B07D (28-30)		1235	S	JKH							HOLD	1

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V
Preservative O

Relinquished By: Jeffrey Kollar Date/Time: 12/10/13 1505
J. LeClair Date/Time: 12/10/13 14:55

Received By: YCW Date/Time: 12/10/13 1505
J. LeClair Date/Time: 12/10/13 16:00
McLean Date/Time: 12/10/13 17:45

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 4 OF 4

Date Rec'd in Lab: 12/10/13

ALPHA Job #: L1325052

Project Information: Project Name: Aerovox Geoprde, Project Location: New Bedford, MA, Project #: 39744051.10003, Project Manager: J. LeClair/M. Wade, Turn-Around Time: Standard, Date Due: 12/17/13

Report Information - Data Deliverables: EMAIL, Billing Information: Same as Client info

Client Information: Client: URS, Address: 1155 Elm St, Suite 401 Manchester, NH 03101, Phone: (603) 606-4800, Email: judith.leclair@urs.com

Regulatory Requirements & Project Information Requirements: MA MCP Analytical Methods, CT RCP Analytical Methods, Matrix Spike Required, GW1 Standards, NPDES RGP, Other State/Fed Program

ANALYSIS: VOCs, SVOCs, METALS, EPH, VPH, PCB, TPH, Total Solids (from PCB), SAMPLE INFO: Filtration, Preservation

Table with columns: ALPHA Lab ID (Lab Use Only), Sample ID, Collection Date, Time, Sample Matrix, Sampler Initials, and Sample Comments. Includes rows for samples B07D, B08D, etc.

Container Type: Plastic, Amber glass, Vial, Glass, Bacteria cup, etc.; Preservative: None, HCl, HNO3, H2SO4, NaOH, MeOH, NaHSO4, Na2S2O8, Ascorbic Acid, NH4Cl, Zn Acetate, Other

Container Type: V, Preservative: O

Relinquished By: [Signature], Date/Time: 12/10/13 1505, Received By: [Signature], Date/Time: 12/10/13 1505

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side. FORM NO: 01-01 (rev. 12-Mar-2012)

TOTAL # BOTTLES

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325052

Instrument ID: Voal04.i Calibration Date: 15-DEC-2013 Time: 12:54

Lab File ID: 1215A01 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: ccv Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.26147	.16709	.1	-36	20	F
chloromethane	.37455	.30834	.1	-18	20	
vinyl chloride	.33076	.28681	.1	-13	20	
bromomethane	100	89.940	.1	-10	20	
chloroethane	100	92.273	.1	-8	20	
trichlorofluoromethane	.35778	.30127	.1	-16	20	
ethyl ether	.12436	.10653	.05	-14	20	
1,1,-dichloroethene	.25088	.2267	.1	-10	20	
carbon disulfide	100	88.308	.1	-12	20	
methylene chloride	.30324	.25787	.1	-15	20	
acetone	100	147	.1	47	20	F
trans-1,2-dichloroethene	.29084	.25663	.1	-12	20	
methyl tert butyl ether	.65666	.58095	.1	-12	20	
Diisopropyl Ether	.99079	.88092	.05	-11	20	
1,1-dichloroethane	.55421	.48442	.2	-13	20	
Ethyl-Tert-Butyl-Ether	.72773	.71784	.05	-1	20	
cis-1,2-dichloroethene	.31566	.27778	.1	-12	20	
2,2-dichloropropane	.43836	.39825	.05	-9	20	
bromochloromethane	.16468	.14454	.05	-12	20	
chloroform	.51187	.45515	.2	-11	20	
carbontetrachloride	.06897	.06391	.1	-7	20	F
tetrahydrofuran	.08121	.07247	.05	-11	20	
1,1,1-trichloroethane	.47559	.4235	.1	-11	20	
2-butanone	.12299	.12427	.1	1	20	
1,1-dichloropropene	.37594	.336	.05	-11	20	
benzene	1.1046	.97278	.5	-12	20	
Tertiary-Amyl Methyl Ether	.391	.45072	.05	15	20	
1,2-dichloroethane	.39176	.33681	.1	-14	20	
trichloroethene	.30024	.26836	.2	-11	20	
dibromomethane	.17791	.15127	.05	-15	20	
1,2-dichloropropane	.30913	.2697	.1	-13	20	
bromodichloromethane	.39644	.34605	.2	-13	20	
1,4-dioxane	.00239	.00252	.05	6	20	F
cis-1,3-dichloropropene	.44851	.39588	.2	-12	20	
toluene	.93332	.82787	.4	-11	20	
tetrachloroethene	.45775	.41625	.2	-9	20	
4-methyl-2-pentanone	.1014	.08798	.1	-13	20	
trans-1,3-dichloropropene	.50181	.44083	.1	-12	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325052

Instrument ID: Voal04.i Calibration Date: 15-DEC-2013 Time: 12:54

Lab File ID: 1215A01 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: ccv Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.24202	.21581	.1	-11	20
chlorodibromomethane	.4372	.37075	.1	-15	20
1,3-dichloropropane	.48953	.42991	.05	-12	20
1,2-dibromoethane	.32313	.28146	.1	-13	20
2-hexanone	.21599	.21433	.1	-1	20
chlorobenzene	1.0902	.97574	.5	-11	20
ethyl benzene	1.7849	1.6185	.1	-9	20
1,1,1,2-tetrachloroethane	.40659	.36356	.05	-11	20
p/m xylene	.68836	.62621	.1	-9	20
o xylene	.66074	.59941	.3	-9	20
styrene	1.0883	.98722	.3	-9	20
bromoform	.51938	.43954	.1	-15	20
isopropylbenzene	3.2645	2.9093	.1	-11	20
bromobenzene	.9063	.79963	.05	-12	20
n-propylbenzene	3.5808	3.2703	.05	-9	20
1,1,2,2,-tetrachloroethane	.70395	.6028	.3	-14	20
2-chlorotoluene	2.3062	2.0555	.05	-11	20
1,2,3-trichloropropane	.54526	.46189	.05	-15	20
1,3,5-trimethylbenzene	2.7199	2.4962	.05	-8	20
4-chorotoluene	2.3106	2.0520	.05	-11	20
tert-butylbenzene	2.3840	2.1806	.05	-9	20
1,2,4-trimethylbenzene	2.6358	2.3885	.05	-9	20
sec-butylbenzene	3.4461	3.1802	.05	-8	20
p-isopropyltoluene	3.0272	2.7967	.05	-8	20
1,3-dichlorobenzene	1.7220	1.5426	.6	-10	20
1,4-dichlorobenzene	1.7220	1.5426	.5	-10	20
n-butylbenzene	2.6196	2.4672	.05	-6	20
1,2-dichlorobenzene	1.6054	1.4297	.4	-11	20
1,2-dibromo-3-chloropropane	.12756	.10765	.05	-16	20
hexachlorobutadiene	.62281	.57744	.05	-7	20
1,2,4-trichlorobenzene	1.1355	1.0502	.2	-8	20
naphthalene	2.3906	2.0302	.05	-15	20
1,2,3-trichlorobenzene	1.0657	.95866	.05	-10	20
dibromofluoromethane	.28379	.27366	.05	-4	30
1,2-dichloroethane-d4	.26566	.25281	.05	-5	30
toluene-d8	1.2209	1.2206	.05	0	30
4-bromofluorobenzene	.85143	.8476	.05	0	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325052

Instrument ID: Voal04.i Calibration Date: 16-DEC-2013 Time: 08:30

Lab File ID: 1216A02 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.26147	.15534	.1	-41	20	F
chloromethane	.37455	.28049	.1	-25	20	F
vinyl chloride	.33076	.26718	.1	-19	20	
bromomethane	100	85.419	.1	-15	20	
chloroethane	100	90.250	.1	-10	20	
trichlorofluoromethane	.35778	.31615	.1	-12	20	
ethyl ether	.12436	.10485	.05	-16	20	
1,1,-dichloroethene	.25088	.22285	.1	-11	20	
carbon disulfide	100	85.420	.1	-15	20	
methylene chloride	.30324	.26364	.1	-13	20	
acetone	100	154	.1	54	20	F
trans-1,2-dichloroethene	.29084	.25875	.1	-11	20	
methyl tert butyl ether	.65666	.59378	.1	-10	20	
Diisopropyl Ether	.99079	.87962	.05	-11	20	
1,1-dichloroethane	.55421	.484	.2	-13	20	
Ethyl-Tert-Butyl-Ether	.72773	.76809	.05	6	20	
cis-1,2-dichloroethene	.31566	.2851	.1	-10	20	
2,2-dichloropropane	.43836	.39314	.05	-10	20	
bromochloromethane	.16468	.14578	.05	-11	20	
chloroform	.51187	.46014	.2	-10	20	
carbontetrachloride	.06897	.06408	.1	-7	20	F
tetrahydrofuran	.08121	.07556	.05	-7	20	
1,1,1-trichloroethane	.47559	.42682	.1	-10	20	
2-butanone	.12299	.13492	.1	10	20	
1,1-dichloropropene	.37594	.33808	.05	-10	20	
benzene	1.1046	.97039	.5	-12	20	
Tertiary-Amyl Methyl Ether	.391	.51503	.05	32	20	F
1,2-dichloroethane	.39176	.3384	.1	-14	20	
trichloroethene	.30024	.2697	.2	-10	20	
dibromomethane	.17791	.15638	.05	-12	20	
1,2-dichloropropane	.30913	.27328	.1	-12	20	
bromodichloromethane	.39644	.35094	.2	-11	20	
1,4-dioxane	.00239	.00261	.05	9	20	F
cis-1,3-dichloropropene	.44851	.40229	.2	-10	20	
toluene	.93332	.82147	.4	-12	20	
tetrachloroethene	.45775	.40742	.2	-11	20	
4-methyl-2-pentanone	.1014	.0915	.1	-10	20	
trans-1,3-dichloropropene	.50181	.44057	.1	-12	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325052

Instrument ID: Voal04.i Calibration Date: 16-DEC-2013 Time: 08:30

Lab File ID: 1216A02 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.24202	.21441	.1	-11	20
chlorodibromomethane	.4372	.37579	.1	-14	20
1,3-dichloropropane	.48953	.42885	.05	-12	20
1,2-dibromoethane	.32313	.27917	.1	-14	20
2-hexanone	.21599	.22791	.1	6	20
chlorobenzene	1.0902	.97662	.5	-10	20
ethyl benzene	1.7849	1.6210	.1	-9	20
1,1,1,2-tetrachloroethane	.40659	.36442	.05	-10	20
p/m xylene	.68836	.62548	.1	-9	20
o xylene	.66074	.60384	.3	-9	20
styrene	1.0883	.98562	.3	-9	20
bromoform	.51938	.44339	.1	-15	20
isopropylbenzene	3.2645	2.8671	.1	-12	20
bromobenzene	.9063	.80306	.05	-11	20
n-propylbenzene	3.5808	3.2135	.05	-10	20
1,1,2,2,-tetrachloroethane	.70395	.60117	.3	-15	20
2-chlorotoluene	2.3062	2.0819	.05	-10	20
1,2,3-trichloropropane	.54526	.45778	.05	-16	20
1,3,5-trimethylbenzene	2.7199	2.4539	.05	-10	20
4-chorotoluene	2.3106	2.0576	.05	-11	20
tert-butylbenzene	2.3840	2.1451	.05	-10	20
1,2,4-trimethylbenzene	2.6358	2.4026	.05	-9	20
sec-butylbenzene	3.4461	3.1514	.05	-9	20
p-isopropyltoluene	3.0272	2.7823	.05	-8	20
1,3-dichlorobenzene	1.7220	1.5554	.6	-10	20
1,4-dichlorobenzene	1.7220	1.5554	.5	-10	20
n-butylbenzene	2.6196	2.4385	.05	-7	20
1,2-dichlorobenzene	1.6054	1.4313	.4	-11	20
1,2-dibromo-3-chloropropane	.12756	.10892	.05	-15	20
hexachlorobutadiene	.62281	.58236	.05	-6	20
1,2,4-trichlorobenzene	1.1355	1.0470	.2	-8	20
naphthalene	2.3906	2.1050	.05	-12	20
1,2,3-trichlorobenzene	1.0657	.95229	.05	-11	20
dibromofluoromethane	.28379	.27907	.05	-2	30
1,2-dichloroethane-d4	.26566	.25533	.05	-4	30
toluene-d8	1.2209	1.2074	.05	-1	30
4-bromofluorobenzene	.85143	.83749	.05	-2	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1325173
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/20/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325173-01	B08C (0-2)	NEW BEDFORD, MA	12/11/13 09:24
L1325173-02	B08C (3-5)	NEW BEDFORD, MA	12/11/13 09:25
L1325173-03	B08C (13-15)	NEW BEDFORD, MA	12/11/13 09:27
L1325173-04	B08C (18-20)	NEW BEDFORD, MA	12/11/13 09:28
L1325173-05	B08C (23-25)	NEW BEDFORD, MA	12/11/13 09:29
L1325173-06	B08C (28-30)	NEW BEDFORD, MA	12/11/13 09:30
L1325173-07	B08C (30-31)	NEW BEDFORD, MA	12/11/13 09:31
L1325173-08	TB-06	NEW BEDFORD, MA	12/11/13 00:00
L1325173-09	B08B (0-2)	NEW BEDFORD, MA	12/11/13 12:20
L1325173-10	B08B (3-5)	NEW BEDFORD, MA	12/11/13 12:21
L1325173-11	B08B (8-10)	NEW BEDFORD, MA	12/11/13 12:22
L1325173-12	B08B (13-15)	NEW BEDFORD, MA	12/11/13 12:23
L1325173-13	B08B (18-20)	NEW BEDFORD, MA	12/11/13 12:24
L1325173-14	B08B (23-25)	NEW BEDFORD, MA	12/11/13 12:25
L1325173-15	B08B (26.5)	NEW BEDFORD, MA	12/11/13 12:26
L1325173-16	B08B (28-30)	NEW BEDFORD, MA	12/11/13 12:27
L1325173-17	B08B (31-33)	NEW BEDFORD, MA	12/11/13 12:28

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Case Narrative (continued)

Report Submission

This report replaces the report issued on December 18, 2013, and includes the results of all requested analyses.

MCP Related Narratives

Volatile Organics

L1325173-15 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

In reference to question H:

The initial calibration, associated with L1325173-06, -08, and -15, utilized a quadratic fit for chloroethane. The continuing calibration standards, associated with L1325173-06, -08, and -15, 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.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:


L1325173-01 and -09: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1325173-01 and -09 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses 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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 12/20/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-06
Client ID: B08C (28-30)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/18/13 13:34
Analyst: PP
Percent Solids: 92%

Date Collected: 12/11/13 09:30
Date Received: 12/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.7	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	4.0	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
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
Bromoform	ND		ug/kg	4.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.5	--	1
Vinyl chloride	4.5		ug/kg	2.3	--	1
Chloroethane	ND		ug/kg	2.3	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	2.1		ug/kg	1.7	--	1
Trichloroethene	7.3		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	--	1
cis-1,2-Dichloroethene	74		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	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
o-Chlorotoluene	ND		ug/kg	4.5	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-06

Date Collected: 12/11/13 09:30

Client ID: B08C (28-30)

Date Received: 12/11/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.5	--	1
Hexachlorobutadiene	ND		ug/kg	4.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-08
Client ID: TB-06
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/17/13 21:40
Analyst: KL
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/11/13 00:00
Date Received: 12/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-08

Date Collected: 12/11/13 00:00

Client ID: TB-06

Date Received: 12/11/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-08
Client ID: TB-06
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/18/13 16:23
Analyst: PP
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/11/13 00:00
Date Received: 12/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-08

Date Collected: 12/11/13 00:00

Client ID: TB-06

Date Received: 12/11/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-15
Client ID: B08B (26.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/17/13 22:08
Analyst: KL
Percent Solids: 80%

Date Collected: 12/11/13 12:26
Date Received: 12/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	2.7	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	48		ug/kg	0.77	--	1
Chlorobenzene	ND		ug/kg	0.77	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	--	1
Bromodichloromethane	ND		ug/kg	0.77	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Vinyl chloride	35		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	1.8		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	25		ug/kg	1.2	--	1
Trichloroethene	230	E	ug/kg	0.77	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	--	1
cis-1,2-Dichloroethene	210	E	ug/kg	0.77	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
1,2-Dibromoethane	ND		ug/kg	3.1	--	1
1,3-Dichloropropane	ND		ug/kg	3.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	--	1
o-Chlorotoluene	ND		ug/kg	3.1	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-15

Date Collected: 12/11/13 12:26

Client ID: B08B (26.5)

Date Received: 12/11/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	3.1	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-15
Client ID: B08B (26.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/18/13 14:02
Analyst: PP
Percent Solids: 80%

Date Collected: 12/11/13 12:26
Date Received: 12/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	770	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	120	--	1
Carbon tetrachloride	ND		ug/kg	77	--	1
1,2-Dichloropropane	ND		ug/kg	270	--	1
Dibromochloromethane	ND		ug/kg	77	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	77	--	1
Chlorobenzene	ND		ug/kg	77	--	1
1,2-Dichloroethane	ND		ug/kg	77	--	1
1,1,1-Trichloroethane	ND		ug/kg	77	--	1
Bromodichloromethane	ND		ug/kg	77	--	1
trans-1,3-Dichloropropene	ND		ug/kg	77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	77	--	1
Bromoform	ND		ug/kg	310	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	77	--	1
Chloromethane	ND		ug/kg	310	--	1
Vinyl chloride	ND		ug/kg	150	--	1
Chloroethane	ND		ug/kg	150	--	1
1,1-Dichloroethene	ND		ug/kg	77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1
Trichloroethene	220		ug/kg	77	--	1
1,2-Dichlorobenzene	ND		ug/kg	310	--	1
1,3-Dichlorobenzene	ND		ug/kg	310	--	1
1,4-Dichlorobenzene	ND		ug/kg	310	--	1
cis-1,2-Dichloroethene	210		ug/kg	77	--	1
Dichlorodifluoromethane	ND		ug/kg	770	--	1
1,2-Dibromoethane	ND		ug/kg	310	--	1
1,3-Dichloropropane	ND		ug/kg	310	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	77	--	1
o-Chlorotoluene	ND		ug/kg	310	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-15

Date Collected: 12/11/13 12:26

Client ID: B08B (26.5)

Date Received: 12/11/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	310	--	1
Hexachlorobutadiene	ND		ug/kg	310	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/17/13 16:02
Analyst: KL

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,15 Batch: WG659956-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/17/13 16:02
Analyst: KL

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,15 Batch: WG659956-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/17/13 16:02
 Analyst: KL

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,15 Batch: WG659956-3					
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	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/18/13 10:44
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG660048-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG660048-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG660048-3					
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	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 08,15 Batch: WG660049-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/18/13 10:44
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 08,15 Batch: WG660049-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 08,15 Batch: WG660049-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,15 Batch: WG659956-1 WG659956-2								
Methylene chloride	97		92		70-130	5		20
1,1-Dichloroethane	98		92		70-130	6		20
Chloroform	97		94		70-130	3		20
Carbon tetrachloride	96		90		70-130	6		20
1,2-Dichloropropane	100		95		70-130	5		20
Dibromochloromethane	96		91		70-130	5		20
1,1,2-Trichloroethane	99		93		70-130	6		20
Tetrachloroethene	98		90		70-130	9		20
Chlorobenzene	97		91		70-130	6		20
Trichlorofluoromethane	95		92		70-130	3		20
1,2-Dichloroethane	91		87		70-130	4		20
1,1,1-Trichloroethane	94		89		70-130	5		20
Bromodichloromethane	98		93		70-130	5		20
trans-1,3-Dichloropropene	97		91		70-130	6		20
cis-1,3-Dichloropropene	98		92		70-130	6		20
1,1-Dichloropropene	99		93		70-130	6		20
Bromoform	97		93		70-130	4		20
1,1,2,2-Tetrachloroethane	91		88		70-130	3		20
Benzene	92		87		70-130	6		20
Toluene	95		87		70-130	9		20
Ethylbenzene	94		87		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,15 Batch: WG659956-1 WG659956-2								
Chloromethane	91		86		70-130	6		20
Bromomethane	124		119		70-130	4		20
Vinyl chloride	98		93		70-130	5		20
Chloroethane	87		84		70-130	4		20
1,1-Dichloroethene	97		94		70-130	3		20
trans-1,2-Dichloroethene	97		92		70-130	5		20
Trichloroethene	96		90		70-130	6		20
1,2-Dichlorobenzene	99		94		70-130	5		20
1,3-Dichlorobenzene	101		95		70-130	6		20
1,4-Dichlorobenzene	100		94		70-130	6		20
Methyl tert butyl ether	94		92		70-130	2		20
p/m-Xylene	92		85		70-130	8		20
o-Xylene	96		89		70-130	8		20
cis-1,2-Dichloroethene	98		93		70-130	5		20
Dibromomethane	95		91		70-130	4		20
1,2,3-Trichloropropane	88		86		70-130	2		20
Styrene	100		92		70-130	8		20
Dichlorodifluoromethane	96		91		70-130	5		20
Acetone	91		81		70-130	12		20
Carbon disulfide	92		87		70-130	6		20
Methyl ethyl ketone	80		77		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,15 Batch: WG659956-1 WG659956-2								
Methyl isobutyl ketone	84		84		70-130	0		20
2-Hexanone	75		73		70-130	3		20
Bromochloromethane	103		97		70-130	6		20
Tetrahydrofuran	72		73		70-130	1		20
2,2-Dichloropropane	104		97		70-130	7		20
1,2-Dibromoethane	98		93		70-130	5		20
1,3-Dichloropropane	94		89		70-130	5		20
1,1,1,2-Tetrachloroethane	98		93		70-130	5		20
Bromobenzene	101		95		70-130	6		20
n-Butylbenzene	99		92		70-130	7		20
sec-Butylbenzene	97		91		70-130	6		20
tert-Butylbenzene	102		95		70-130	7		20
o-Chlorotoluene	100		94		70-130	6		20
p-Chlorotoluene	99		93		70-130	6		20
1,2-Dibromo-3-chloropropane	89		92		70-130	3		20
Hexachlorobutadiene	100		95		70-130	5		20
Isopropylbenzene	97		91		70-130	6		20
p-Isopropyltoluene	103		96		70-130	7		20
Naphthalene	92		92		70-130	0		20
n-Propylbenzene	98		91		70-130	7		20
1,2,3-Trichlorobenzene	98		94		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,15 Batch: WG659956-1 WG659956-2								
1,2,4-Trichlorobenzene	101		97		70-130	4		20
1,3,5-Trimethylbenzene	97		91		70-130	6		20
1,2,4-Trimethylbenzene	98		92		70-130	6		20
Diethyl ether	100		96		70-130	4		20
Diisopropyl Ether	87		83		70-130	5		20
Ethyl-Tert-Butyl-Ether	97		93		70-130	4		20
Tertiary-Amyl Methyl Ether	96		92		70-130	4		20
1,4-Dioxane	84		83		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		94		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	99		100		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG660048-1 WG660048-2								
Methylene chloride	84		84		70-130	0		20
1,1-Dichloroethane	90		89		70-130	1		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	90		85		70-130	6		20
1,2-Dichloropropane	92		93		70-130	1		20
Dibromochloromethane	90		93		70-130	3		20
1,1,2-Trichloroethane	90		89		70-130	1		20
Tetrachloroethene	89		84		70-130	6		20
Chlorobenzene	88		87		70-130	1		20
Trichlorofluoromethane	96		90		70-130	6		20
1,2-Dichloroethane	91		92		70-130	1		20
1,1,1-Trichloroethane	90		86		70-130	5		20
Bromodichloromethane	92		94		70-130	2		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	87		88		70-130	1		20
1,1-Dichloropropene	87		83		70-130	5		20
Bromoform	87		88		70-130	1		20
1,1,2,2-Tetrachloroethane	82		81		70-130	1		20
Benzene	82		80		70-130	2		20
Toluene	84		81		70-130	4		20
Ethylbenzene	82		81		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG660048-1 WG660048-2								
Chloromethane	93		83		70-130	11		20
Bromomethane	107		107		70-130	0		20
Vinyl chloride	92		84		70-130	9		20
Chloroethane	76		72		70-130	5		20
1,1-Dichloroethene	85		80		70-130	6		20
trans-1,2-Dichloroethene	85		85		70-130	0		20
Trichloroethene	88		85		70-130	3		20
1,2-Dichlorobenzene	89		89		70-130	0		20
1,3-Dichlorobenzene	89		89		70-130	0		20
1,4-Dichlorobenzene	89		88		70-130	1		20
Methyl tert butyl ether	87		89		70-130	2		20
p/m-Xylene	83		81		70-130	2		20
o-Xylene	85		84		70-130	1		20
cis-1,2-Dichloroethene	88		88		70-130	0		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	80		80		70-130	0		20
Styrene	89		88		70-130	1		20
Dichlorodifluoromethane	98		90		70-130	9		20
Acetone	130		99		70-130	27	Q	20
Carbon disulfide	79		73		70-130	8		20
Methyl ethyl ketone	101		90		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG660048-1 WG660048-2								
Methyl isobutyl ketone	80		82		70-130	2		20
2-Hexanone	80		74		70-130	8		20
Bromochloromethane	98		97		70-130	1		20
Tetrahydrofuran	72		73		70-130	1		20
2,2-Dichloropropane	97		92		70-130	5		20
1,2-Dibromoethane	91		92		70-130	1		20
1,3-Dichloropropane	85		86		70-130	1		20
1,1,1,2-Tetrachloroethane	93		93		70-130	0		20
Bromobenzene	89		89		70-130	0		20
n-Butylbenzene	84		81		70-130	4		20
sec-Butylbenzene	83		80		70-130	4		20
tert-Butylbenzene	89		86		70-130	3		20
o-Chlorotoluene	87		86		70-130	1		20
p-Chlorotoluene	86		85		70-130	1		20
1,2-Dibromo-3-chloropropane	84		83		70-130	1		20
Hexachlorobutadiene	88		86		70-130	2		20
Isopropylbenzene	83		81		70-130	2		20
p-Isopropyltoluene	91		88		70-130	3		20
Naphthalene	84		87		70-130	4		20
n-Propylbenzene	83		81		70-130	2		20
1,2,3-Trichlorobenzene	87		90		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG660048-1 WG660048-2								
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	85		83		70-130	2		20
1,2,4-Trimethylbenzene	86		84		70-130	2		20
Diethyl ether	88		86		70-130	2		20
Diisopropyl Ether	84		84		70-130	0		20
Ethyl-Tert-Butyl-Ether	92		94		70-130	2		20
Tertiary-Amyl Methyl Ether	86		88		70-130	2		20
1,4-Dioxane	84		84		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 08,15 Batch: WG660049-1 WG660049-2								
Methylene chloride	84		84		70-130	0		20
1,1-Dichloroethane	90		89		70-130	1		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	90		85		70-130	6		20
1,2-Dichloropropane	92		93		70-130	1		20
Dibromochloromethane	90		93		70-130	3		20
1,1,2-Trichloroethane	90		89		70-130	1		20
Tetrachloroethene	89		84		70-130	6		20
Chlorobenzene	88		87		70-130	1		20
Trichlorofluoromethane	96		90		70-130	6		20
1,2-Dichloroethane	91		92		70-130	1		20
1,1,1-Trichloroethane	90		86		70-130	5		20
Bromodichloromethane	92		94		70-130	2		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	87		88		70-130	1		20
1,1-Dichloropropene	87		83		70-130	5		20
Bromoform	87		88		70-130	1		20
1,1,2,2-Tetrachloroethane	82		81		70-130	1		20
Benzene	82		80		70-130	2		20
Toluene	84		81		70-130	4		20
Ethylbenzene	82		81		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 08,15 Batch: WG660049-1 WG660049-2								
Chloromethane	93		83		70-130	11		20
Bromomethane	107		107		70-130	0		20
Vinyl chloride	92		84		70-130	9		20
Chloroethane	76		72		70-130	5		20
1,1-Dichloroethene	85		80		70-130	6		20
trans-1,2-Dichloroethene	85		85		70-130	0		20
Trichloroethene	88		85		70-130	3		20
1,2-Dichlorobenzene	89		89		70-130	0		20
1,3-Dichlorobenzene	89		89		70-130	0		20
1,4-Dichlorobenzene	89		88		70-130	1		20
Methyl tert butyl ether	87		89		70-130	2		20
p/m-Xylene	83		81		70-130	2		20
o-Xylene	85		84		70-130	1		20
cis-1,2-Dichloroethene	88		88		70-130	0		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	80		80		70-130	0		20
Styrene	89		88		70-130	1		20
Dichlorodifluoromethane	98		90		70-130	9		20
Acetone	130		99		70-130	27	Q	20
Carbon disulfide	79		73		70-130	8		20
Methyl ethyl ketone	101		90		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 08,15 Batch: WG660049-1 WG660049-2								
Methyl isobutyl ketone	80		82		70-130	2		20
2-Hexanone	80		74		70-130	8		20
Bromochloromethane	98		97		70-130	1		20
Tetrahydrofuran	72		73		70-130	1		20
2,2-Dichloropropane	97		92		70-130	5		20
1,2-Dibromoethane	91		92		70-130	1		20
1,3-Dichloropropane	85		86		70-130	1		20
1,1,1,2-Tetrachloroethane	93		93		70-130	0		20
Bromobenzene	89		89		70-130	0		20
n-Butylbenzene	84		81		70-130	4		20
sec-Butylbenzene	83		80		70-130	4		20
tert-Butylbenzene	89		86		70-130	3		20
o-Chlorotoluene	87		86		70-130	1		20
p-Chlorotoluene	86		85		70-130	1		20
1,2-Dibromo-3-chloropropane	84		83		70-130	1		20
Hexachlorobutadiene	88		86		70-130	2		20
Isopropylbenzene	83		81		70-130	2		20
p-Isopropyltoluene	91		88		70-130	3		20
Naphthalene	84		87		70-130	4		20
n-Propylbenzene	83		81		70-130	2		20
1,2,3-Trichlorobenzene	87		90		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 08,15 Batch: WG660049-1 WG660049-2								
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	85		83		70-130	2		20
1,2,4-Trimethylbenzene	86		84		70-130	2		20
Diethyl ether	88		86		70-130	2		20
Diisopropyl Ether	84		84		70-130	0		20
Ethyl-Tert-Butyl-Ether	92		94		70-130	2		20
Tertiary-Amyl Methyl Ether	86		88		70-130	2		20
1,4-Dioxane	84		84		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	104		103		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-01 D
 Client ID: B08C (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 14:06
 Analyst: JW
 Percent Solids: 91%

Date Collected: 12/11/13 09:24
 Date Received: 12/11/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/16/13 17:52
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/17/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	13000	--	600	A
Aroclor 1221	ND		ug/kg	13000	--	600	A
Aroclor 1232	ND		ug/kg	13000	--	600	A
Aroclor 1242	ND		ug/kg	13000	--	600	A
Aroclor 1248	ND		ug/kg	8640	--	600	A
Aroclor 1254	120000		ug/kg	13000	--	600	B
Aroclor 1260	ND		ug/kg	8640	--	600	A
Aroclor 1262	ND		ug/kg	4320	--	600	A
Aroclor 1268	ND		ug/kg	4320	--	600	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-06
Client ID: B08C (28-30)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/17/13 13:52
Analyst: JW
Percent Solids: 92%

Date Collected: 12/11/13 09:30
Date Received: 12/11/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/16/13 17:52
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.7	--	1	A
Aroclor 1221	ND		ug/kg	20.7	--	1	A
Aroclor 1232	ND		ug/kg	20.7	--	1	A
Aroclor 1242	ND		ug/kg	20.7	--	1	A
Aroclor 1248	ND		ug/kg	13.8	--	1	A
Aroclor 1254	ND		ug/kg	20.7	--	1	A
Aroclor 1260	ND		ug/kg	13.8	--	1	A
Aroclor 1262	ND		ug/kg	6.92	--	1	A
Aroclor 1268	ND		ug/kg	6.92	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-09 D
 Client ID: B08B (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 14:19
 Analyst: JW
 Percent Solids: 91%

Date Collected: 12/11/13 12:20
 Date Received: 12/11/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/16/13 17:52
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/17/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	42600	--	2000	A
Aroclor 1221	ND		ug/kg	42600	--	2000	A
Aroclor 1232	ND		ug/kg	42600	--	2000	A
Aroclor 1242	ND		ug/kg	42600	--	2000	A
Aroclor 1248	ND		ug/kg	28400	--	2000	A
Aroclor 1254	1000000		ug/kg	42600	--	2000	B
Aroclor 1260	ND		ug/kg	28400	--	2000	A
Aroclor 1262	ND		ug/kg	14200	--	2000	A
Aroclor 1268	ND		ug/kg	14200	--	2000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325173**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325173-15
Client ID: B08B (26.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/17/13 14:33
Analyst: JW
Percent Solids: 80%

Date Collected: 12/11/13 12:26
Date Received: 12/11/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/16/13 17:52
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	24.0	--	1	A
Aroclor 1221	ND		ug/kg	24.0	--	1	A
Aroclor 1232	ND		ug/kg	24.0	--	1	A
Aroclor 1242	44.7		ug/kg	24.0	--	1	A
Aroclor 1248	ND		ug/kg	16.0	--	1	A
Aroclor 1254	ND		ug/kg	24.0	--	1	A
Aroclor 1260	ND		ug/kg	16.0	--	1	A
Aroclor 1262	ND		ug/kg	8.00	--	1	A
Aroclor 1268	ND		ug/kg	8.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
 Analytical Date: 12/17/13 12:42
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/16/13 17:52
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/17/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,06,09,15 Batch: WG659405-1						
Aroclor 1016	ND		ug/kg	19.7	--	A
Aroclor 1221	ND		ug/kg	19.7	--	A
Aroclor 1232	ND		ug/kg	19.7	--	A
Aroclor 1242	ND		ug/kg	19.7	--	A
Aroclor 1248	ND		ug/kg	13.1	--	A
Aroclor 1254	ND		ug/kg	19.7	--	A
Aroclor 1260	ND		ug/kg	13.1	--	A
Aroclor 1262	ND		ug/kg	6.56	--	A
Aroclor 1268	ND		ug/kg	6.56	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	94		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,06,09,15 Batch: WG659405-2 WG659405-3									
Aroclor 1016	73		82		40-140	12		30	A
Aroclor 1260	77		87		40-140	12		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		86		30-150	A
Decachlorobiphenyl	90		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		87		30-150	B
Decachlorobiphenyl	92		100		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325173-01
 Client ID: B08C (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/11/13 09:24
 Date Received: 12/11/13
 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	91.2		%	0.100	NA	1	-	12/12/13 02:50	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325173-06

Date Collected: 12/11/13 09:30

Client ID: B08C (28-30)

Date Received: 12/11/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	12/12/13 02:50	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325173-09
 Client ID: B08B (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/11/13 12:20
 Date Received: 12/11/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	12/12/13 02:50	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325173-15
Client ID: B08B (26.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/11/13 12:26
Date Received: 12/11/13
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	80.0		%	0.100	NA	1	-	12/12/13 02:50	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325173

Report Date: 12/20/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,06,09,15 QC Batch ID: WG658293-1 QC Sample: L1325136-01 Client ID: DUP Sample						
Solids, Total	91.3	90.8	%	1		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1325173

Project Number: 39744051.10003

Report Date: 12/20/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/11/2013 21:02

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325173-01A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325173-02A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-03A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-04A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-05A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-06A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	MCP-8260HLW-10(14)
L1325173-06B	Vial water preserved	A	N/A	2.9	Y	Absent	MCP-8260HLW-10(14)
L1325173-06C	Vial water preserved	A	N/A	2.9	Y	Absent	MCP-8260HLW-10(14)
L1325173-06D	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325173-07A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-08A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325173-08B	Vial water preserved	A	N/A	2.9	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325173-08C	Vial water preserved	A	N/A	2.9	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325173-09A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325173-10A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-11A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-12A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-13A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-14A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-15A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325173-15B	Vial water preserved	A	N/A	2.9	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325173-15C	Vial water preserved	A	N/A	2.9	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE**Project Number:** 39744051.10003**Lab Number:** L1325173**Report Date:** 12/20/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325173-15D	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325173-16A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()
L1325173-17A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	HOLD()

Container Comments

L1325173-06B

L1325173-08B

L1325173-15B

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325173
Report Date: 12/20/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd In Lab: 12/11/13 ALPHA Job #: L1325173

Project Information **Report Information - Data Deliverables** **Billing Information**

Project Name: Aerovox Geoprobe ADEX EMAIL Same as Client info PO #:

Project Location: New Bedford, MA **Regulatory Requirements & Project Information Requirements**

Project #: 39744051.10003 Yes No MA MCP Analytical Methods Yes No CT RCP Analytical Methods

Project Manager: J. LeClair/M. Wade Yes No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

ALPHA Quote #: _____ Yes No GW1 Standards (Info Required for Metals & EPH with Targets)

_____ Yes No NPDES RGP

_____ Other State /Fed Program _____ Criteria

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/14/13

ANALYSIS	SAMPLE INFO
CVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2 SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15 METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPI3 EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only <input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint <i>Total Solids (from Rep)</i>	Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do
	TOTAL # BOTTLES

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										SAMPLE INFO	Sample Comments	TOTAL # BOTTLES			
		Date	Time			CVOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Other	Filtration				Preservation		
25173-1	B08C(0-2)	12-11-13	0924	S	JKH																1
2	B08C(3-5)		0925	S	JKH															HOLD	1
3	B08C(13-15)		0927	S	JKH															HOLD	1
4	B08C(18-20)		0928	S	JKH															HOLD	1
5	B08C(23-25)		0929	S	JKH															HOLD	1
6	B08C(28-30)		0930	S	JKH	3								X						CVOC	4
7	B08C(30-31)		0931	S	JKH															HOLD	1
8	TB-06					3														CVOC	3
9	B08B(0-2)		1220	S	JKH																1
10	B08B(3-5)		1221	S	JKH															HOLD	1

- | Container Type | Preservative |
|-----------------|--|
| P= Plastic | A= None |
| A= Amber glass | B= HCl |
| V= Vial | C= HNO ₃ |
| G= Glasses | D= H ₂ SO ₄ |
| B= Bacteria cup | E= NaOH |
| C= Cube | F= MeOH |
| O= Other | G= NaHSO ₄ |
| E= Encore | H= Na ₂ S ₂ O ₈ |
| D= BOD Bottle | I= Ascorbic Acid |
| | J= NH ₄ Cl |
| | K= Zn Acetate |
| | O= Other |

Container Type	V															
Preservative	D															

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/11/13 1505</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/11/13 1505</u>	All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
<u>[Signature]</u>	<u>12/11/13 1542</u>	<u>[Signature]</u>	<u>12/11/13 1542</u>	
<u>[Signature]</u>	<u>12/11/13 1730</u>	<u>[Signature]</u>	<u>12/11/13 1730</u>	



CHAIN OF CUSTODY

PAGE 2 OF 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd In Lab: 12/11/13

ALPHA Job #: L1325173

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Project Information

Project Name: Aerovox Geoprobe

Project Location: New Bedford, MA

Project #: 39744051.10003

Project Manager: J. Leclair/M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL 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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/16/13

ANALYSIS

CYOC: 8260 824 524.2

SVOC: ABN PAH

METALS: MCP 13 MCP 14 RCP 15

METALS: RCRAs RCRAs PPI3

EPH: Ranges & Targets Ranges Only

VPH: Ranges & Targets Ranges Only

PCB: PEST

TPH: Quant Only Fingerprint

TOTALS ONLYS (from LAB)

SAMPLE INFO

Filtration

Field Lab to do

Preservation

Lab to do

TOTAL # BOTTLES

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATION	COMMENTS	TOTAL # BOTTLES
		Date	Time						
<u>25173.11</u>	<u>B08B(8-10)</u>	<u>12-11-13</u>	<u>1222</u>	<u>S</u>	<u>JKH</u>			<u>HOLD</u>	<u>1</u>
<u>12</u>	<u>B08B(13-15)</u>		<u>1223</u>	<u>S</u>	<u>JKH</u>			<u>HOLD</u>	<u>1</u>
<u>13</u>	<u>B08B(18-20)</u>		<u>1224</u>	<u>S</u>	<u>JKH</u>			<u>HOLD</u>	<u>1</u>
<u>14</u>	<u>B08B(23-25)</u>		<u>1225</u>	<u>S</u>	<u>JKH</u>			<u>HOLD</u>	<u>1</u>
<u>15</u>	<u>B08B(26.5)</u>		<u>1226</u>	<u>S</u>	<u>JKH</u>	<u>3</u>	<u>X</u>	<u>CVOC</u>	<u>4</u>
<u>16</u>	<u>B08B(28-30)</u>		<u>1227</u>	<u>S</u>	<u>JKH</u>			<u>HOLD</u>	<u>1</u>
<u>17</u>	<u>B08B(31-33)</u>		<u>1228</u>	<u>S</u>	<u>JKH</u>			<u>HOLD</u>	<u>1</u>

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	<u>V</u>					<u>G</u>
Preservative	<u>O</u>					<u>A</u>

Relinquished By: [Signature] Date/Time: 12/11/13 1505

Received By: [Signature] Date/Time: 12/11/13 1545

[Signature] 12/11/13 1730 [Signature] 12/11/13 1730

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325173

Instrument ID: Voal00.i Calibration Date: 18-DEC-2013 Time: 09:19

Lab File ID: 1218A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.18832	.18519	.1	-2	20	
chloromethane	100	92.912	.1	-7	20	
vinyl chloride	100	92.243	.1	-8	20	
bromomethane	100	107	.1	7	20	
chloroethane	100	76.377	.1	-24	20	F
trichlorofluoromethane	.33683	.32265	.1	-4	20	
ethyl ether	.1212	.10642	.05	-12	20	
1,1,-dichloroethene	.22262	.18956	.1	-15	20	
carbon disulfide	100	79.394	.1	-21	20	F
methylene chloride	100	84.029	.1	-16	20	
acetone	100	130	.1	30	20	F
trans-1,2-dichloroethene	.26173	.22311	.1	-15	20	
methyl tert butyl ether	.60479	.52798	.1	-13	20	
Diisopropyl Ether	1.0458	.874	.05	-16	20	
1,1-dichloroethane	.5436	.48877	.2	-10	20	
Ethyl-Tert-Butyl-Ether	.911	.84042	.05	-8	20	
cis-1,2-dichloroethene	.27799	.24553	.1	-12	20	
2,2-dichloropropane	.35171	.3406	.05	-3	20	
bromochloromethane	.12984	.12707	.05	-2	20	
chloroform	.44702	.41366	.2	-7	20	
carbontetrachloride	.34389	.30802	.1	-10	20	
tetrahydrofuran	.09245	.0664	.05	-28	20	F
1,1,1-trichloroethane	.39751	.35689	.1	-10	20	
2-butanone	.14186	.14321	.1	1	20	
1,1-dichloropropene	.32911	.28536	.05	-13	20	
benzene	1.0319	.84088	.5	-19	20	
Tertiary-Amyl Methyl Ether	.61291	.52613	.05	-14	20	
1,2-dichloroethane	.36498	.33247	.1	-9	20	
trichloroethene	.25885	.2276	.2	-12	20	
dibromomethane	.14599	.1316	.05	-10	20	
1,2-dichloropropane	.2993	.27436	.1	-8	20	
bromodichloromethane	.33589	.30975	.2	-8	20	
1,4-dioxane	.00246	.00207	.05	-16	20	F
cis-1,3-dichloropropene	.38482	.33558	.2	-13	20	
toluene	.88345	.7388	.4	-16	20	
4-methyl-2-pentanone	.11106	.08886	.1	-20	20	
tetrachloroethene	.38403	.3406	.2	-11	20	
trans-1,3-dichloropropene	.49088	.43491	.1	-11	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325173

Instrument ID: Voal00.i Calibration Date: 18-DEC-2013 Time: 09:19

Lab File ID: 1218A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.21395	.1	-10	20
chlorodibromomethane	.37052	.3347	.1	-10	20
1,3-dichloropropane	.5037	.428	.05	-15	20
1,2-dibromoethane	.29224	.26554	.1	-9	20
2-hexanone	.2592	.20672	.1	-20	20
chlorobenzene	.99049	.87335	.5	-12	20
ethyl benzene	1.6824	1.3871	.1	-18	20
1,1,1,2-tetrachloroethane	.35511	.33058	.05	-7	20
p/m xylene	.67162	.55511	.1	-17	20
o xylene	.61821	.52824	.3	-15	20
styrene	1.0041	.89505	.3	-11	20
bromoform	.44959	.39072	.1	-13	20
isopropylbenzene	3.0990	2.5651	.1	-17	20
bromobenzene	.77202	.69061	.05	-11	20
n-propylbenzene	3.5073	2.9247	.05	-17	20
1,1,2,2,-tetrachloroethane	.77486	.63764	.3	-18	20
2-chlorotoluene	2.3619	2.0581	.05	-13	20
1,3,5-trimethylbenzene	2.6433	2.2487	.05	-15	20
1,2,3-trichloropropane	.63167	.5042	.05	-20	20
4-chorotoluene	2.2438	1.9228	.05	-14	20
tert-butylbenzene	2.2528	1.9988	.05	-11	20
1,2,4-trimethylbenzene	2.5422	2.1879	.05	-14	20
sec-butylbenzene	3.4471	2.8715	.05	-17	20
p-isopropyltoluene	2.8589	2.5952	.05	-9	20
1,3-dichlorobenzene	1.5833	1.4158	.6	-11	20
1,4-dichlorobenzene	1.5941	1.4178	.5	-11	20
n-butylbenzene	2.6718	2.2574	.05	-16	20
1,2-dichlorobenzene	1.4725	1.3048	.4	-11	20
1,2-dibromo-3-chloropropane	100	83.922	.05	-16	20
hexachlorobutadiene	.50157	.44235	.05	-12	20
1,2,4-trichlorobenzene	.95266	.86543	.2	-9	20
naphthalene	2.2469	1.8757	.05	-17	20
1,2,3-trichlorobenzene	.88277	.7693	.05	-13	20
dibromofluoromethane	.25768	.26739	.05	4	30
1,2-dichloroethane-d4	.28696	.286	.05	0	30
toluene-d8	1.2970	1.2832	.05	-1	30
4-bromofluorobenzene	.89072	.88338	.05	-1	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325173

Instrument ID: Voal00.i Calibration Date: 17-DEC-2013 Time: 14:09

Lab File ID: 1217N01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
dichlorodifluoromethane	.18832	.18118	.1	-4	20
chloromethane	100	91.329	.1	-9	20
vinyl chloride	100	98.041	.1	-2	20
bromomethane	100	124	.1	24	20
chloroethane	100	86.677	.1	-13	20
trichlorofluoromethane	.33683	.32108	.1	-5	20
ethyl ether	.1212	.1214	.05	0	20
1,1,-dichloroethene	.22262	.21574	.1	-3	20
carbon disulfide	100	92.463	.1	-8	20
methylene chloride	100	96.602	.1	-3	20
acetone	100	91.408	.1	-9	20
trans-1,2-dichloroethene	.26173	.2549	.1	-3	20
methyl tert butyl ether	.60479	.56966	.1	-6	20
Diisopropyl Ether	1.0458	.9092	.05	-13	20
1,1-dichloroethane	.5436	.53	.2	-3	20
Ethyl-Tert-Butyl-Ether	.911	.88053	.05	-3	20
cis-1,2-dichloroethene	.27799	.271	.1	-3	20
2,2-dichloropropane	.35171	.36635	.05	4	20
bromochloromethane	.12984	.13338	.05	3	20
chloroform	.44702	.43563	.2	-3	20
carbontetrachloride	.34389	.33143	.1	-4	20
tetrahydrofuran	.09245	.06672	.05	-28	20
1,1,1-trichloroethane	.39751	.37512	.1	-6	20
2-butanone	.14186	.11377	.1	-20	20
1,1-dichloropropene	.32911	.32623	.05	-1	20
benzene	1.0319	.95299	.5	-8	20
Tertiary-Amyl Methyl Ether	.61291	.58957	.05	-4	20
1,2-dichloroethane	.36498	.33139	.1	-9	20
trichloroethene	.25885	.24948	.2	-4	20
dibromomethane	.14599	.1386	.05	-5	20
1,2-dichloropropane	.2993	.29966	.1	0	20
bromodichloromethane	.33589	.32882	.2	-2	20
1,4-dioxane	.00246	.00206	.05	-16	20
cis-1,3-dichloropropene	.38482	.37707	.2	-2	20
toluene	.88345	.83836	.4	-5	20
4-methyl-2-pentanone	.11106	.09332	.1	-16	20
tetrachloroethene	.38403	.37712	.2	-2	20
trans-1,3-dichloropropene	.49088	.47711	.1	-3	20

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325173

Instrument ID: Voal00.i Calibration Date: 17-DEC-2013 Time: 14:09

Lab File ID: 1217N01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.23519	.1	-1	20
chlorodibromomethane	.37052	.35594	.1	-4	20
1,3-dichloropropane	.5037	.47576	.05	-6	20
1,2-dibromoethane	.29224	.2851	.1	-2	20
2-hexanone	.2592	.19454	.1	-25	20
chlorobenzene	.99049	.96517	.5	-3	20
ethyl benzene	1.6824	1.5865	.1	-6	20
1,1,1,2-tetrachloroethane	.35511	.3495	.05	-2	20
p/m xylene	.67162	.62081	.1	-8	20
o xylene	.61821	.59478	.3	-4	20
styrene	1.0041	1.0001	.3	0	20
bromoform	.44959	.43527	.1	-3	20
isopropylbenzene	3.0990	2.9954	.1	-3	20
bromobenzene	.77202	.78006	.05	1	20
n-propylbenzene	3.5073	3.4243	.05	-2	20
1,1,2,2,-tetrachloroethane	.77486	.70836	.3	-9	20
2-chlorotoluene	2.3619	2.3694	.05	0	20
1,3,5-trimethylbenzene	2.6433	2.5696	.05	-3	20
1,2,3-trichloropropane	.63167	.5583	.05	-12	20
4-chlorotoluene	2.2438	2.2141	.05	-1	20
tert-butylbenzene	2.2528	2.2903	.05	2	20
1,2,4-trimethylbenzene	2.5422	2.5035	.05	-2	20
sec-butylbenzene	3.4471	3.3499	.05	-3	20
p-isopropyltoluene	2.8589	2.9560	.05	3	20
1,3-dichlorobenzene	1.5833	1.6012	.6	1	20
1,4-dichlorobenzene	1.5941	1.5943	.5	0	20
n-butylbenzene	2.6718	2.6391	.05	-1	20
1,2-dichlorobenzene	1.4725	1.4633	.4	-1	20
1,2-dibromo-3-chloropropane	100	89.096	.05	-11	20
hexachlorobutadiene	.50157	.50404	.05	0	20
1,2,4-trichlorobenzene	.95266	.96218	.2	1	20
naphthalene	2.2469	2.0777	.05	-8	20
1,2,3-trichlorobenzene	.88277	.86393	.05	-2	20
dibromofluoromethane	.25768	.25632	.05	-1	30
1,2-dichloroethane-d4	.28696	.26321	.05	-8	30
toluene-d8	1.2970	1.2818	.05	-1	30
4-bromofluorobenzene	.89072	.92183	.05	3	30

F

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1325284
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/20/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325284-01	B09A (0-2)	NEW BEDFORD, MA	12/11/13 15:32
L1325284-02	B09A (3-5)	NEW BEDFORD, MA	12/11/13 15:33
L1325284-03	B09A (8-10)	NEW BEDFORD, MA	12/11/13 15:34
L1325284-04	B09A (13-15)	NEW BEDFORD, MA	12/11/13 15:35
L1325284-05	B09A (18-20)	NEW BEDFORD, MA	12/11/13 15:36
L1325284-06	B09A (23-25)	NEW BEDFORD, MA	12/11/13 15:37
L1325284-07	B09A (28-30)	NEW BEDFORD, MA	12/11/13 15:38
L1325284-08	B09A (33-35)	NEW BEDFORD, MA	12/11/13 15:39
L1325284-09	B09A (35-37)	NEW BEDFORD, MA	12/11/13 15:40
L1325284-10	TB07	NEW BEDFORD, MA	12/11/13 00:00
L1325284-11	B08A (5-7)	NEW BEDFORD, MA	12/12/13 11:55
L1325284-12	B08A (8-10)	NEW BEDFORD, MA	12/12/13 11:56
L1325284-13	B08A (13-15)	NEW BEDFORD, MA	12/12/13 11:57
L1325284-14	B08A (18-20)	NEW BEDFORD, MA	12/12/13 11:58
L1325284-15	B08A (23-25)	NEW BEDFORD, MA	12/12/13 11:59
L1325284-16	B08A (28-30)	NEW BEDFORD, MA	12/12/13 12:00
L1325284-17	DUP-02	NEW BEDFORD, MA	12/12/13 12:01
L1325284-18	B08A (33-35)	NEW BEDFORD, MA	12/12/13 12:02
L1325284-19	B08A (36-38)	NEW BEDFORD, MA	12/12/13 12:03
L1325284-20	B09B (0-2)	NEW BEDFORD, MA	12/12/13 15:10
L1325284-21	B09B (3-5)	NEW BEDFORD, MA	12/12/13 15:11
L1325284-22	B09B (8-10)	NEW BEDFORD, MA	12/12/13 15:12
L1325284-23	B09B (13-15)	NEW BEDFORD, MA	12/12/13 15:13
L1325284-24	B09B (18-20)	NEW BEDFORD, MA	12/12/13 15:14
L1325284-25	B09B (20.5)	NEW BEDFORD, MA	12/12/13 15:15
L1325284-26	B09B (23-25)	NEW BEDFORD, MA	12/12/13 15:16
L1325284-27	B09B (28-30)	NEW BEDFORD, MA	12/12/13 15:17
L1325284-28	B09B (33-35)	NEW BEDFORD, MA	12/12/13 15:18

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued on December 19, 2013, and includes the results of all requested analyses.

MCP Related Narratives

Volatile Organics

L1325284-09 was analyzed as a High Level (Methanol-preserved) in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

In reference to question G:

L1325284-25: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The WG660216-4/-5 MS/MSD recoveries, performed on L1325284-16, are outside the acceptance criteria for trichloroethene (0%/67%) and cis-1,2-dichloroethene (MS at 0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the sample utilized for the MS/MSD.

The WG660216-4/-5 MS/MSD RPDs, performed on L1325284-16, are above the acceptance criteria for trichloroethene (54%) and cis-1,2-dichloroethene (40%).

The initial calibration, associated with L1325284-09 Low, -09 High, -10 Low, -10 High, -16, -17 and -25, utilized a quadratic fit for chloroethane.

The continuing calibration standards, associated with L1325284-09 Low, -09 High, -10 Low, -10 High, -16, -17 and -25, are outside the acceptance criteria for chloroethane; however, they are within overall method allowances. A copy of the continuing calibration standards is included as an addendum to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:

L1325284-20: One or more of the target analytes did not achieve the requested CAM reporting limits.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

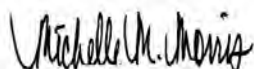
Case Narrative (continued)

In reference to question H:

The surrogate recoveries for L1325284-20 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 12/20/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-09
 Client ID: B09A (35-37)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/18/13 11:12
 Analyst: PP
 Percent Solids: 88%

Date Collected: 12/11/13 15:40
 Date Received: 12/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	--	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	2.6	--	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
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
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Vinyl chloride	3.4		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	180	E	ug/kg	0.73	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	--	1
cis-1,2-Dichloroethene	80		ug/kg	0.73	--	1
Dichlorodifluoromethane	ND		ug/kg	7.3	--	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
o-Chlorotoluene	ND		ug/kg	2.9	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-09

Date Collected: 12/11/13 15:40

Client ID: B09A (35-37)

Date Received: 12/12/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2.9	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
1,2,4-Trichlorobenzene	3.8		ug/kg	2.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-09
 Client ID: B09A (35-37)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/19/13 10:54
 Analyst: JC
 Percent Solids: 88%

Date Collected: 12/11/13 15:40
 Date Received: 12/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	720	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	72	--	1
1,2-Dichloropropane	ND		ug/kg	250	--	1
Dibromochloromethane	ND		ug/kg	72	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	72	--	1
Chlorobenzene	ND		ug/kg	72	--	1
1,2-Dichloroethane	ND		ug/kg	72	--	1
1,1,1-Trichloroethane	ND		ug/kg	72	--	1
Bromodichloromethane	ND		ug/kg	72	--	1
trans-1,3-Dichloropropene	ND		ug/kg	72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	72	--	1
Bromoform	ND		ug/kg	290	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	72	--	1
Chloromethane	ND		ug/kg	290	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	140	--	1
1,1-Dichloroethene	ND		ug/kg	72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	450		ug/kg	72	--	1
1,2-Dichlorobenzene	ND		ug/kg	290	--	1
1,3-Dichlorobenzene	ND		ug/kg	290	--	1
1,4-Dichlorobenzene	ND		ug/kg	290	--	1
cis-1,2-Dichloroethene	170		ug/kg	72	--	1
Dichlorodifluoromethane	ND		ug/kg	720	--	1
1,2-Dibromoethane	ND		ug/kg	290	--	1
1,3-Dichloropropane	ND		ug/kg	290	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	72	--	1
o-Chlorotoluene	ND		ug/kg	290	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-09

Date Collected: 12/11/13 15:40

Client ID: B09A (35-37)

Date Received: 12/12/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	290	--	1
Hexachlorobutadiene	ND		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	290	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-10
Client ID: TB07
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/18/13 11:40
Analyst: PP
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/11/13 00:00
Date Received: 12/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-10

Date Collected: 12/11/13 00:00

Client ID: TB07

Date Received: 12/12/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-10
 Client ID: TB07
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/18/13 15:27
 Analyst: PP
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/11/13 00:00
 Date Received: 12/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-10

Date Collected: 12/11/13 00:00

Client ID: TB07

Date Received: 12/12/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-16
Client ID: B08A (28-30)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/18/13 12:09
Analyst: PP
Percent Solids: 85%

Date Collected: 12/12/13 12:00
Date Received: 12/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.7	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	4.0	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
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
Bromoform	ND		ug/kg	4.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.5	--	1
Vinyl chloride	ND		ug/kg	2.3	--	1
Chloroethane	ND		ug/kg	2.3	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	--	1
Trichloroethene	78		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	--	1
cis-1,2-Dichloroethene	42		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	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
o-Chlorotoluene	ND		ug/kg	4.5	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-16

Date Collected: 12/12/13 12:00

Client ID: B08A (28-30)

Date Received: 12/12/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.5	--	1
Hexachlorobutadiene	ND		ug/kg	4.5	--	1
1,2,4-Trichlorobenzene	4.9		ug/kg	4.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-17
Client ID: DUP-02
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/18/13 14:30
Analyst: PP
Percent Solids: 88%

Date Collected: 12/12/13 12:01
Date Received: 12/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.6	--	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
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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	73		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	42		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-17

Date Collected: 12/12/13 12:01

Client ID: DUP-02

Date Received: 12/12/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	4.4		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-25
Client ID: B09B (20.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/18/13 15:55
Analyst: PP
Percent Solids: 83%

Date Collected: 12/12/13 15:15
Date Received: 12/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	810	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	120	--	1
Carbon tetrachloride	ND		ug/kg	81	--	1
1,2-Dichloropropane	ND		ug/kg	280	--	1
Dibromochloromethane	ND		ug/kg	81	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	81	--	1
Chlorobenzene	ND		ug/kg	81	--	1
1,2-Dichloroethane	ND		ug/kg	81	--	1
1,1,1-Trichloroethane	ND		ug/kg	81	--	1
Bromodichloromethane	ND		ug/kg	81	--	1
trans-1,3-Dichloropropene	ND		ug/kg	81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	81	--	1
Bromoform	ND		ug/kg	320	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	81	--	1
Chloromethane	ND		ug/kg	320	--	1
Vinyl chloride	ND		ug/kg	160	--	1
Chloroethane	ND		ug/kg	160	--	1
1,1-Dichloroethene	ND		ug/kg	81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1
Trichloroethene	840		ug/kg	81	--	1
1,2-Dichlorobenzene	ND		ug/kg	320	--	1
1,3-Dichlorobenzene	ND		ug/kg	320	--	1
1,4-Dichlorobenzene	ND		ug/kg	320	--	1
cis-1,2-Dichloroethene	150		ug/kg	81	--	1
Dichlorodifluoromethane	ND		ug/kg	810	--	1
1,2-Dibromoethane	ND		ug/kg	320	--	1
1,3-Dichloropropane	ND		ug/kg	320	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	81	--	1
o-Chlorotoluene	ND		ug/kg	320	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-25

Date Collected: 12/12/13 15:15

Client ID: B09B (20.5)

Date Received: 12/12/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	320	--	1
Hexachlorobutadiene	ND		ug/kg	320	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 10,25 Batch: WG660049-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/18/13 10:44
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 10,25 Batch: WG660049-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 10,25 Batch: WG660049-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09-10,16-17 Batch: WG660216-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09-10,16-17 Batch: WG660216-3					
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	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/18/13 10:44
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09-10,16-17 Batch: WG660216-3					
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	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/19/13 10:25
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 09 Batch: WG660386-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/19/13 10:25
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 09 Batch: WG660386-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 10:25
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 09 Batch: WG660386-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 10,25 Batch: WG660049-1 WG660049-2								
Methylene chloride	84		84		70-130	0		20
1,1-Dichloroethane	90		89		70-130	1		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	90		85		70-130	6		20
1,2-Dichloropropane	92		93		70-130	1		20
Dibromochloromethane	90		93		70-130	3		20
1,1,2-Trichloroethane	90		89		70-130	1		20
Tetrachloroethene	89		84		70-130	6		20
Chlorobenzene	88		87		70-130	1		20
Trichlorofluoromethane	96		90		70-130	6		20
1,2-Dichloroethane	91		92		70-130	1		20
1,1,1-Trichloroethane	90		86		70-130	5		20
Bromodichloromethane	92		94		70-130	2		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	87		88		70-130	1		20
1,1-Dichloropropene	87		83		70-130	5		20
Bromoform	87		88		70-130	1		20
1,1,2,2-Tetrachloroethane	82		81		70-130	1		20
Benzene	82		80		70-130	2		20
Toluene	84		81		70-130	4		20
Ethylbenzene	82		81		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 10,25 Batch: WG660049-1 WG660049-2								
Chloromethane	93		83		70-130	11		20
Bromomethane	107		107		70-130	0		20
Vinyl chloride	92		84		70-130	9		20
Chloroethane	76		72		70-130	5		20
1,1-Dichloroethene	85		80		70-130	6		20
trans-1,2-Dichloroethene	85		85		70-130	0		20
Trichloroethene	88		85		70-130	3		20
1,2-Dichlorobenzene	89		89		70-130	0		20
1,3-Dichlorobenzene	89		89		70-130	0		20
1,4-Dichlorobenzene	89		88		70-130	1		20
Methyl tert butyl ether	87		89		70-130	2		20
p/m-Xylene	83		81		70-130	2		20
o-Xylene	85		84		70-130	1		20
cis-1,2-Dichloroethene	88		88		70-130	0		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	80		80		70-130	0		20
Styrene	89		88		70-130	1		20
Dichlorodifluoromethane	98		90		70-130	9		20
Acetone	130		99		70-130	27	Q	20
Carbon disulfide	79		73		70-130	8		20
Methyl ethyl ketone	101		90		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 10,25 Batch: WG660049-1 WG660049-2								
Methyl isobutyl ketone	80		82		70-130	2		20
2-Hexanone	80		74		70-130	8		20
Bromochloromethane	98		97		70-130	1		20
Tetrahydrofuran	72		73		70-130	1		20
2,2-Dichloropropane	97		92		70-130	5		20
1,2-Dibromoethane	91		92		70-130	1		20
1,3-Dichloropropane	85		86		70-130	1		20
1,1,1,2-Tetrachloroethane	93		93		70-130	0		20
Bromobenzene	89		89		70-130	0		20
n-Butylbenzene	84		81		70-130	4		20
sec-Butylbenzene	83		80		70-130	4		20
tert-Butylbenzene	89		86		70-130	3		20
o-Chlorotoluene	87		86		70-130	1		20
p-Chlorotoluene	86		85		70-130	1		20
1,2-Dibromo-3-chloropropane	84		83		70-130	1		20
Hexachlorobutadiene	88		86		70-130	2		20
Isopropylbenzene	83		81		70-130	2		20
p-Isopropyltoluene	91		88		70-130	3		20
Naphthalene	84		87		70-130	4		20
n-Propylbenzene	83		81		70-130	2		20
1,2,3-Trichlorobenzene	87		90		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 10,25 Batch: WG660049-1 WG660049-2								
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	85		83		70-130	2		20
1,2,4-Trimethylbenzene	86		84		70-130	2		20
Diethyl ether	88		86		70-130	2		20
Diisopropyl Ether	84		84		70-130	0		20
Ethyl-Tert-Butyl-Ether	92		94		70-130	2		20
Tertiary-Amyl Methyl Ether	86		88		70-130	2		20
1,4-Dioxane	84		84		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-10,16-17 Batch: WG660216-1 WG660216-2								
Methylene chloride	84		84		70-130	0		20
1,1-Dichloroethane	90		89		70-130	1		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	90		85		70-130	6		20
1,2-Dichloropropane	92		93		70-130	1		20
Dibromochloromethane	90		93		70-130	3		20
1,1,2-Trichloroethane	90		89		70-130	1		20
Tetrachloroethene	89		84		70-130	6		20
Chlorobenzene	88		87		70-130	1		20
Trichlorofluoromethane	96		90		70-130	6		20
1,2-Dichloroethane	91		92		70-130	1		20
1,1,1-Trichloroethane	90		86		70-130	5		20
Bromodichloromethane	92		94		70-130	2		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	87		88		70-130	1		20
1,1-Dichloropropene	87		83		70-130	5		20
Bromoform	87		88		70-130	1		20
1,1,2,2-Tetrachloroethane	82		81		70-130	1		20
Benzene	82		80		70-130	2		20
Toluene	84		81		70-130	4		20
Ethylbenzene	82		81		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-10,16-17 Batch: WG660216-1 WG660216-2								
Chloromethane	93		83		70-130	11		20
Bromomethane	107		107		70-130	0		20
Vinyl chloride	92		84		70-130	9		20
Chloroethane	76		72		70-130	5		20
1,1-Dichloroethene	85		80		70-130	6		20
trans-1,2-Dichloroethene	85		85		70-130	0		20
Trichloroethene	88		85		70-130	3		20
1,2-Dichlorobenzene	89		89		70-130	0		20
1,3-Dichlorobenzene	89		89		70-130	0		20
1,4-Dichlorobenzene	89		88		70-130	1		20
Methyl tert butyl ether	87		89		70-130	2		20
p/m-Xylene	83		81		70-130	2		20
o-Xylene	85		84		70-130	1		20
cis-1,2-Dichloroethene	88		88		70-130	0		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	80		80		70-130	0		20
Styrene	89		88		70-130	1		20
Dichlorodifluoromethane	98		90		70-130	9		20
Acetone	130		99		70-130	27	Q	20
Carbon disulfide	79		73		70-130	8		20
Methyl ethyl ketone	101		90		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-10,16-17 Batch: WG660216-1 WG660216-2								
Methyl isobutyl ketone	80		82		70-130	2		20
2-Hexanone	80		74		70-130	8		20
Bromochloromethane	98		97		70-130	1		20
Tetrahydrofuran	72		73		70-130	1		20
2,2-Dichloropropane	97		92		70-130	5		20
1,2-Dibromoethane	91		92		70-130	1		20
1,3-Dichloropropane	85		86		70-130	1		20
1,1,1,2-Tetrachloroethane	93		93		70-130	0		20
Bromobenzene	89		89		70-130	0		20
n-Butylbenzene	84		81		70-130	4		20
sec-Butylbenzene	83		80		70-130	4		20
tert-Butylbenzene	89		86		70-130	3		20
o-Chlorotoluene	87		86		70-130	1		20
p-Chlorotoluene	86		85		70-130	1		20
1,2-Dibromo-3-chloropropane	84		83		70-130	1		20
Hexachlorobutadiene	88		86		70-130	2		20
Isopropylbenzene	83		81		70-130	2		20
p-Isopropyltoluene	91		88		70-130	3		20
Naphthalene	84		87		70-130	4		20
n-Propylbenzene	83		81		70-130	2		20
1,2,3-Trichlorobenzene	87		90		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-10,16-17 Batch: WG660216-1 WG660216-2								
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	85		83		70-130	2		20
1,2,4-Trimethylbenzene	86		84		70-130	2		20
Diethyl ether	88		86		70-130	2		20
Diisopropyl Ether	84		84		70-130	0		20
Ethyl-Tert-Butyl-Ether	92		94		70-130	2		20
Tertiary-Amyl Methyl Ether	86		88		70-130	2		20
1,4-Dioxane	84		84		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	104		103		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG660386-1 WG660386-2								
Methylene chloride	89		86		70-130	3		20
1,1-Dichloroethane	89		85		70-130	5		20
Chloroform	91		87		70-130	4		20
Carbon tetrachloride	83		79		70-130	5		20
1,2-Dichloropropane	94		89		70-130	5		20
Dibromochloromethane	89		88		70-130	1		20
1,1,2-Trichloroethane	94		91		70-130	3		20
Tetrachloroethene	87		82		70-130	6		20
Chlorobenzene	88		85		70-130	3		20
Trichlorofluoromethane	87		80		70-130	8		20
1,2-Dichloroethane	87		85		70-130	2		20
1,1,1-Trichloroethane	85		80		70-130	6		20
Bromodichloromethane	91		88		70-130	3		20
trans-1,3-Dichloropropene	91		88		70-130	3		20
cis-1,3-Dichloropropene	91		88		70-130	3		20
1,1-Dichloropropene	89		82		70-130	8		20
Bromoform	91		88		70-130	3		20
1,1,2,2-Tetrachloroethane	87		86		70-130	1		20
Benzene	85		80		70-130	6		20
Toluene	86		80		70-130	7		20
Ethylbenzene	84		80		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG660386-1 WG660386-2								
Chloromethane	86		79		70-130	8		20
Bromomethane	117		113		70-130	3		20
Vinyl chloride	90		81		70-130	11		20
Chloroethane	78		74		70-130	5		20
1,1-Dichloroethene	89		81		70-130	9		20
trans-1,2-Dichloroethene	89		83		70-130	7		20
Trichloroethene	88		82		70-130	7		20
1,2-Dichlorobenzene	91		88		70-130	3		20
1,3-Dichlorobenzene	90		87		70-130	3		20
1,4-Dichlorobenzene	90		87		70-130	3		20
Methyl tert butyl ether	92		90		70-130	2		20
p/m-Xylene	83		78		70-130	6		20
o-Xylene	86		82		70-130	5		20
cis-1,2-Dichloroethene	91		87		70-130	4		20
Dibromomethane	92		90		70-130	2		20
1,2,3-Trichloropropane	86		83		70-130	4		20
Styrene	90		87		70-130	3		20
Dichlorodifluoromethane	87		80		70-130	8		20
Acetone	157	Q	110		70-130	35	Q	20
Carbon disulfide	85		78		70-130	9		20
Methyl ethyl ketone	118		95		70-130	22	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG660386-1 WG660386-2								
Methyl isobutyl ketone	86		83		70-130	4		20
2-Hexanone	95		79		70-130	18		20
Bromochloromethane	96		94		70-130	2		20
Tetrahydrofuran	74		74		70-130	0		20
2,2-Dichloropropane	95		88		70-130	8		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	89		86		70-130	3		20
1,1,1,2-Tetrachloroethane	91		88		70-130	3		20
Bromobenzene	91		88		70-130	3		20
n-Butylbenzene	88		82		70-130	7		20
sec-Butylbenzene	86		80		70-130	7		20
tert-Butylbenzene	90		84		70-130	7		20
o-Chlorotoluene	90		85		70-130	6		20
p-Chlorotoluene	89		84		70-130	6		20
1,2-Dibromo-3-chloropropane	88		98		70-130	11		20
Hexachlorobutadiene	88		83		70-130	6		20
Isopropylbenzene	86		81		70-130	6		20
p-Isopropyltoluene	92		86		70-130	7		20
Naphthalene	90		91		70-130	1		20
n-Propylbenzene	87		81		70-130	7		20
1,2,3-Trichlorobenzene	91		91		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG660386-1 WG660386-2								
1,2,4-Trichlorobenzene	94		93		70-130	1		20
1,3,5-Trimethylbenzene	88		83		70-130	6		20
1,2,4-Trimethylbenzene	89		85		70-130	5		20
Diethyl ether	94		92		70-130	2		20
Diisopropyl Ether	82		79		70-130	4		20
Ethyl-Tert-Butyl-Ether	92		90		70-130	2		20
Tertiary-Amyl Methyl Ether	91		90		70-130	1		20
1,4-Dioxane	91		90		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	100		100		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-10,16-17 QC Batch ID: WG660216-4 WG660216-5 QC Sample: L1325284-16 Client ID: B08A (28-30)												
Methylene chloride	ND	20	18	91		15	86		70-130	20		30
1,1-Dichloroethane	ND	20	19	96		16	93		70-130	18		30
Chloroform	ND	20	20	98		17	96		70-130	17		30
Carbon tetrachloride	ND	20	20	102		18	101		70-130	15		30
1,2-Dichloropropane	ND	20	19	97		16	94		70-130	17		30
Dibromochloromethane	ND	20	19	95		16	91		70-130	18		30
1,1,2-Trichloroethane	ND	20	18	91		15	88		70-130	17		30
Tetrachloroethene	ND	20	18	92		16	94		70-130	12		30
Chlorobenzene	ND	20	18	89		15	88		70-130	16		30
1,2-Dichloroethane	ND	20	20	99		16	94		70-130	19		30
1,1,1-Trichloroethane	ND	20	20	100		17	98		70-130	16		30
Bromodichloromethane	ND	20	20	99		17	97		70-130	16		30
trans-1,3-Dichloropropene	ND	20	18	90		15	86		70-130	18		30
cis-1,3-Dichloropropene	ND	20	18	92		15	88		70-130	18		30
Bromoform	ND	20	18	91		16	90		70-130	16		30
1,1,2,2-Tetrachloroethane	ND	20	17	85		14	79		70-130	21		30
Chloromethane	ND	20	14	72		12	72		70-130	15		30
Vinyl chloride	ND	20	17	84		15	89		70-130	9		30
Chloroethane	ND	20	14	72		12	72		70-130	14		30
1,1-Dichloroethene	ND	20	18	89		15	87		70-130	16		30
trans-1,2-Dichloroethene	ND	20	18	90		16	90		70-130	14		30

Matrix Spike Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-10,16-17 QC Batch ID: WG660216-4 WG660216-5 QC Sample: L1325284-16 Client ID: B08A (28-30)												
Trichloroethene	78	20	51	0	Q	90	67	Q	70-130	54	Q	30
1,2-Dichlorobenzene	ND	20	18	89		16	90		70-130	14		30
1,3-Dichlorobenzene	ND	20	18	89		16	90		70-130	13		30
1,4-Dichlorobenzene	ND	20	18	89		16	90		70-130	13		30
cis-1,2-Dichloroethene	42	20	39	0	Q	59	96		70-130	40	Q	30
Dichlorodifluoromethane	ND	20	18	88		15	88		70-130	14		30
1,2-Dibromoethane	ND	20	19	94		15	88		70-130	21		30
1,3-Dichloropropane	ND	20	17	87		14	81		70-130	21		30
1,1,1,2-Tetrachloroethane	ND	20	19	94		16	94		70-130	14		30
o-Chlorotoluene	ND	20	17	87		15	87		70-130	15		30
p-Chlorotoluene	ND	20	17	84		15	85		70-130	13		30
Hexachlorobutadiene	ND	20	18	92		16	91		70-130	15		30
1,2,4-Trichlorobenzene	4.9	20	22	86		22	96		70-130	3		30

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichloroethane-d4	107		104		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	106		104		70-130
Toluene-d8	95		97		70-130



PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-01
Client ID: B09A (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/15/13 22:59
Analyst: TQ
Percent Solids: 94%

Date Collected: 12/11/13 15:32
Date Received: 12/12/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/13/13 09:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.9	--	1	A
Aroclor 1221	ND		ug/kg	20.9	--	1	A
Aroclor 1232	ND		ug/kg	20.9	--	1	A
Aroclor 1242	ND		ug/kg	20.9	--	1	A
Aroclor 1248	ND		ug/kg	13.9	--	1	A
Aroclor 1254	22.8		ug/kg	20.9	--	1	B
Aroclor 1260	ND		ug/kg	13.9	--	1	A
Aroclor 1262	ND		ug/kg	6.97	--	1	A
Aroclor 1268	ND		ug/kg	6.97	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-02
Client ID: B09A (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/19/13 13:30
Analyst: JT
Percent Solids: 87%

Date Collected: 12/11/13 15:33
Date Received: 12/12/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/18/13 17:32
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.3	--	1	A
Aroclor 1221	ND		ug/kg	22.3	--	1	A
Aroclor 1232	ND		ug/kg	22.3	--	1	A
Aroclor 1242	ND		ug/kg	22.3	--	1	A
Aroclor 1248	ND		ug/kg	14.9	--	1	A
Aroclor 1254	ND		ug/kg	22.3	--	1	B
Aroclor 1260	ND		ug/kg	14.9	--	1	A
Aroclor 1262	ND		ug/kg	7.43	--	1	A
Aroclor 1268	ND		ug/kg	7.43	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-09
Client ID: B09A (35-37)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/15/13 23:18
Analyst: TQ
Percent Solids: 88%

Date Collected: 12/11/13 15:40
Date Received: 12/12/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/13/13 09:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.2	--	1	A
Aroclor 1221	ND		ug/kg	22.2	--	1	A
Aroclor 1232	ND		ug/kg	22.2	--	1	A
Aroclor 1242	ND		ug/kg	22.2	--	1	A
Aroclor 1248	ND		ug/kg	14.8	--	1	A
Aroclor 1254	ND		ug/kg	22.2	--	1	A
Aroclor 1260	ND		ug/kg	14.8	--	1	A
Aroclor 1262	ND		ug/kg	7.40	--	1	A
Aroclor 1268	ND		ug/kg	7.40	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-11
Client ID: B08A (5-7)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/15/13 23:31
Analyst: TQ
Percent Solids: 90%

Date Collected: 12/12/13 11:55
Date Received: 12/12/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/13/13 09:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.0	--	1	A
Aroclor 1221	ND		ug/kg	21.0	--	1	A
Aroclor 1232	ND		ug/kg	21.0	--	1	A
Aroclor 1242	ND		ug/kg	21.0	--	1	A
Aroclor 1248	ND		ug/kg	14.0	--	1	A
Aroclor 1254	ND		ug/kg	21.0	--	1	A
Aroclor 1260	ND		ug/kg	14.0	--	1	A
Aroclor 1262	ND		ug/kg	7.00	--	1	A
Aroclor 1268	ND		ug/kg	7.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-16
Client ID: B08A (28-30)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/15/13 23:44
Analyst: TQ
Percent Solids: 85%

Date Collected: 12/12/13 12:00
Date Received: 12/12/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/13/13 09:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.4	--	1	A
Aroclor 1221	ND		ug/kg	22.4	--	1	A
Aroclor 1232	ND		ug/kg	22.4	--	1	A
Aroclor 1242	275		ug/kg	22.4	--	1	A
Aroclor 1248	ND		ug/kg	14.9	--	1	A
Aroclor 1254	ND		ug/kg	22.4	--	1	A
Aroclor 1260	ND		ug/kg	14.9	--	1	A
Aroclor 1262	ND		ug/kg	7.46	--	1	A
Aroclor 1268	ND		ug/kg	7.46	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-17
Client ID: DUP-02
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/15/13 23:58
Analyst: TQ
Percent Solids: 88%

Date Collected: 12/12/13 12:01
Date Received: 12/12/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/13/13 09:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.1	--	1	A
Aroclor 1221	ND		ug/kg	22.1	--	1	A
Aroclor 1232	ND		ug/kg	22.1	--	1	A
Aroclor 1242	174		ug/kg	22.1	--	1	A
Aroclor 1248	ND		ug/kg	14.7	--	1	A
Aroclor 1254	ND		ug/kg	22.1	--	1	A
Aroclor 1260	ND		ug/kg	14.7	--	1	A
Aroclor 1262	ND		ug/kg	7.36	--	1	A
Aroclor 1268	ND		ug/kg	7.36	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	127		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-20 D
 Client ID: B09B (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/18/13 13:47
 Analyst: TQ
 Percent Solids: 96%

Date Collected: 12/12/13 15:10
 Date Received: 12/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/13/13 09:22
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/14/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	4050	--	200	A
Aroclor 1221	ND		ug/kg	4050	--	200	A
Aroclor 1232	ND		ug/kg	4050	--	200	A
Aroclor 1242	ND		ug/kg	4050	--	200	A
Aroclor 1248	93200		ug/kg	2700	--	200	B
Aroclor 1254	104000		ug/kg	4050	--	200	B
Aroclor 1260	ND		ug/kg	2700	--	200	A
Aroclor 1262	ND		ug/kg	1350	--	200	A
Aroclor 1268	ND		ug/kg	1350	--	200	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-25
Client ID: B09B (20.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/16/13 00:24
Analyst: TQ
Percent Solids: 83%

Date Collected: 12/12/13 15:15
Date Received: 12/12/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/13/13 09:22
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.5	--	1	A
Aroclor 1221	ND		ug/kg	23.5	--	1	A
Aroclor 1232	ND		ug/kg	23.5	--	1	A
Aroclor 1242	135		ug/kg	23.5	--	1	A
Aroclor 1248	ND		ug/kg	15.6	--	1	A
Aroclor 1254	58.0		ug/kg	23.5	--	1	A
Aroclor 1260	65.3		ug/kg	15.6	--	1	B
Aroclor 1262	ND		ug/kg	7.83	--	1	A
Aroclor 1268	ND		ug/kg	7.83	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	123		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/16/13 01:04
 Analyst: TQ

Extraction Method: EPA 3540C
 Extraction Date: 12/13/13 09:22
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/14/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,09,11,16-17,20,25 Batch: WG658714-1						
Aroclor 1016	ND		ug/kg	19.0	--	A
Aroclor 1221	ND		ug/kg	19.0	--	A
Aroclor 1232	ND		ug/kg	19.0	--	A
Aroclor 1242	ND		ug/kg	19.0	--	A
Aroclor 1248	ND		ug/kg	12.6	--	A
Aroclor 1254	ND		ug/kg	19.0	--	A
Aroclor 1260	ND		ug/kg	12.6	--	A
Aroclor 1262	ND		ug/kg	6.32	--	A
Aroclor 1268	ND		ug/kg	6.32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	121		30-150	B



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/19/13 13:43
 Analyst: JT

Extraction Method: EPA 3540C
 Extraction Date: 12/18/13 17:32
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/19/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02 Batch: WG660080-1						
Aroclor 1016	ND		ug/kg	19.4	--	A
Aroclor 1221	ND		ug/kg	19.4	--	A
Aroclor 1232	ND		ug/kg	19.4	--	A
Aroclor 1242	ND		ug/kg	19.4	--	A
Aroclor 1248	ND		ug/kg	12.9	--	A
Aroclor 1254	ND		ug/kg	19.4	--	A
Aroclor 1260	ND		ug/kg	12.9	--	A
Aroclor 1262	ND		ug/kg	6.45	--	A
Aroclor 1268	ND		ug/kg	6.45	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	143		30-150	B



Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,09,11,16-17,20,25 QC Batch ID: WG658714-4 WG658714-5 QC Sample: L1325284-16 Client ID: B08A (28-30)													
Aroclor 1016	ND	232	298	129		324	134		40-140	8		30	A
Aroclor 1260	ND	232	160	69		188	78		40-140	16		30	A

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>	<i>Column</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>		
2,4,5,6-Tetrachloro-m-xylene	79		82		30-150	A
Decachlorobiphenyl	76		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		76		30-150	B
Decachlorobiphenyl	98		132		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,09,11,16-17,20,25 Batch: WG658714-2 WG658714-3									
Aroclor 1016	69		74		40-140	7		30	A
Aroclor 1260	68		82		40-140	19		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		76		30-150	A
Decachlorobiphenyl	69		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		71		30-150	B
Decachlorobiphenyl	87		98		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02 Batch: WG660080-2 WG660080-3									
Aroclor 1016	87		72		40-140	19		30	A
Aroclor 1260	105		97		40-140	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		77		30-150	A
Decachlorobiphenyl	110		107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		72		30-150	B
Decachlorobiphenyl	116		148		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-01
Client ID: B09A (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/11/13 15:32
Date Received: 12/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.7		%	0.100	NA	1	-	12/13/13 23:21	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325284-02
 Client ID: B09A (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/11/13 15:33
 Date Received: 12/12/13
 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	87.1		%	0.100	NA	1	-	12/19/13 01:19	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325284**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325284-09
Client ID: B09A (35-37)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/11/13 15:40
Date Received: 12/12/13
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	87.9		%	0.100	NA	1	-	12/13/13 23:21	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325284-11
 Client ID: B08A (5-7)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/12/13 11:55
 Date Received: 12/12/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	12/13/13 23:21	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325284-16
 Client ID: B08A (28-30)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/12/13 12:00
 Date Received: 12/12/13
 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	84.9		%	0.100	NA	1	-	12/13/13 23:21	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325284-17
 Client ID: DUP-02
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/12/13 12:01
 Date Received: 12/12/13
 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	88.0		%	0.100	NA	1	-	12/13/13 23:21	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325284-20

Date Collected: 12/12/13 15:10

Client ID: B09B (0-2)

Date Received: 12/12/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.9		%	0.100	NA	1	-	12/13/13 23:21	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325284-25
 Client ID: B09B (20.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/12/13 15:15
 Date Received: 12/12/13
 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	83.4		%	0.100	NA	1	-	12/13/13 23:21	30,2540G	RT



Lab Duplicate Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325284

Report Date: 12/20/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,09,11,16-17,20,25 QC Batch ID: WG658981-1 QC Sample: L1325278-03 Client ID: DUP Sample						
Solids, Total	82.5	80.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG660146-1 QC Sample: L1325284-02 Client ID: B09A (3-5)						
Solids, Total	87.1	86.4	%	1		20



Project Name: AEROVOX GEOPROBE

Lab Number: L1325284

Project Number: 39744051.10003

Report Date: 12/20/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/12/2013 23:30

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325284-01A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-02A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-03A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-04A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-05A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-06A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-07A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-08A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-09A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325284-09B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325284-09C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325284-09D	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-10A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325284-10B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325284-10C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325284-11A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-12A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-13A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-14A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-15A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-16A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-16B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325284

Report Date: 12/20/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325284-16C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-16D	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-16E	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-16F	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-16G	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-16H	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-16I	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-16J	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-16K	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-16L	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-17A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-17B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-17C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-17D	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-18A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-19A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-20A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-21A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-22A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-23A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-24A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-25A	Vial MeOH preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-25B	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-25C	Vial water preserved	A	N/A	3.6	Y	Absent	MCP-8260HLW-10(14)
L1325284-25D	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325284-26A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-27A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()
L1325284-28A	Amber 120ml unpreserved	A	N/A	3.6	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325284
Report Date: 12/20/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 12/12/13

ALPHA Job #: L1325284

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe

Project Location: New Bedford, MA

Project #: 39744051.10003

Project Manager: J. Leclair/M. Wade

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/19/13

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client Info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Additional Project Information:

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		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 8280 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	SYOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> PCRA5 <input type="checkbox"/> PCRA8	Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Sample Comments	
TPH: <input type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
<i>Total Solids (from PCB)</i>			

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SAMPLE INFO	TOTAL # BOTTLES
		Date	Time					
25284-01	B09A (0-2)	12/11/13	1532	S	JKH			1
-02	B09A (3-5)		1533	S	JKH		HOLD	1
-03	B09A (8-10)		1534	S	JKH		HOLD	1
-04	B09A (13-15)		1535	S	JKH		HOLD	1
-05	B09A (18-20)		1536	S	JKH		HOLD	1
-06	B09A (23-25)		1537	S	JKH		HOLD	1
-07	B09A (28-30)		1538	S	JKH		HOLD	1
-08	B09A (33-35)		1539	S	JKH		HOLD	1
-09	B09A (35-37)		1540	S	JKH	3		4
-10	TB07			TB		3		3

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V G
Preservative D A

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/11/13 1526</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/12/13 1520</u>
<u>[Signature]</u>	<u>12/17 1630</u>	<u>[Signature]</u>	<u>12/23/13 1637</u>
<u>[Signature]</u>	<u>12/21/13 1810</u>	<u>[Signature]</u>	<u>12/12/13 18:10</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 12/12/13

ALPHA Job #: L1325284

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: *Aerovox Geoprobe*

Project Location: *New Bedford, MA*

Project #: *39744051.10003*

Project Manager: *J. Leclair/M. Wade*

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: *12/19/13*

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client Info PO #:

Client Information

Client: *URS*

Address: *1155 Elm St, Suite 401
Manchester, NH 03101*

Phone: *(603) 606-4800*

Email: *Judith.Leclair@urs.com*

Additional Project Information:

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		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 8280 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	SYOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> PCRA5 <input type="checkbox"/> PCRA8	Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Sample Comments	
TPH: <input type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
<i>Total Solids (from PCB)</i>			

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SAMPLE INFO	TOTAL # BOTTLES
		Date	Time					
25284-01	B09A (0-2)	12/11/13	1532	S	JKH			1
-02	B09A (3-5)		1533	S	JKH		HOLD	1
-03	B09A (8-10)		1534	S	JKH		HOLD	1
-04	B09A (13-15)		1535	S	JKH		HOLD	1
-05	B09A (18-20)		1536	S	JKH		HOLD	1
-06	B09A (23-25)		1537	S	JKH		HOLD	1
-07	B09A (28-30)		1538	S	JKH		HOLD	1
-08	B09A (33-35)		1539	S	JKH		HOLD	1
-09	B09A (35-37)		1540	S	JKH	3		4
-10	TB07			TB		3		3

- 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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	V					G
Preservative	D					A

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	<i>12/11/13 1526</i>	<i>[Signature]</i>	<i>12/11/13 1520</i>
<i>[Signature]</i>	<i>12/17/13 1630</i>	<i>[Signature]</i>	<i>12/23/13 1627</i>
<i>[Signature]</i>	<i>12/12/13 1810</i>	<i>[Signature]</i>	<i>12/12/13 18:10</i>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

Date Rec'd in Lab: 12/12/13

ALPHA Job #: L1325284

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe

Project Location: New Bedford, MA

Project #: 39744051.10003

Project Manager: J. Leclair/M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Additional Project Information:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/19/13

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	CYC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SAMPLE INFO	
	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH		Filtration
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15		<input type="checkbox"/> Field
	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP13		<input type="checkbox"/> Lab to do
	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		Preservation
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		<input type="checkbox"/> Lab to do
	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST		
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
	<u>Total Solids (from Pkg)</u>		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CVCOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Sample Comments	TOTAL # BOTTLES
		Date	Time												
25284-11	B08A (5-7)	12.12.13	1155	S	JRH										1
-12	B08A (8-10)		1156	S	JRH									HOLD	1
-13	B08A (13-15)		1157	S	JRH									HOLD	1
-14	B08A (18-20)		1158	S	JRH									HOLD	1
-15	B08A (23-25)		1159	S	JRH									HOLD	1
-16	B08A (28-30)		1200	S	JRH	9					3	X		Use extra vol for MS/MSD	12
-17	DUP-02		1201	S	JRH	3					1	X		CVOC	4
-18	B08A (33-35)		1202	S	JRH						1			HOLD	1
-19	B08A (36-38)		1203	S	JRH						1			HOLD	1
20	B09B (0-2)		1510	S	JRH						1				

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= HNO₃
D= H₂SO₄
E= NaOH
F= NaOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V
Preservative 0

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/12/13 15:26</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/12/13 15:26</u>
<u>[Signature]</u>	<u>12/14/13 16:30</u>	<u>[Signature]</u>	<u>12/17/13 16:27</u>
<u>[Signature]</u>	<u>12/12/13 15:26</u>	<u>[Signature]</u>	<u>12/12/13 18:10</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 12/12/13

ALPHA Job #: L1325284

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/19/13

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	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAB <input type="checkbox"/> PPI3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<u>DTE Solids (from A6)</u>	TOTAL # BOTTLES

SAMPLE INFO

Filtration
 Field
 Lab to do

Preservation
 Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	DTE Solids	SAMPLE INFO	TOTAL # BOTTLES
		Date	Time													
25284-21	B09B(3-5)	12-12-13	1511	S	JKH										HOLD	1
-22	B09B(8-10)		1512	S	JKH										HOLD	1
-23	B09B(13-15)		1513	S	JKH										HOLD	1
-24	B09B(18-20)		1514	S	JKH										HOLD	1
-25	B09B(20.5)		1515	S	JKH	3							X			4
-26	B09B(23-25)		1516	S	JKH										HOLD	1
-27	B09B(28-30)		1517	S	JKH										HOLD	1
-28	B09B(33-35)		1518	S	JKH										HOLD	1

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	V						G
Preservative	O						A

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>12/12/13 1526</u>	<u>[Signature]</u>	<u>12/14/13 1526</u>
<u>[Signature]</u>	<u>12/12/13 1526</u>	<u>[Signature]</u>	<u>12/21/13 1637</u>
<u>[Signature]</u>	<u>12/12/13 1526</u>	<u>[Signature]</u>	<u>12/12/13 18:10</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325284

Instrument ID: Voal00.i Calibration Date: 18-DEC-2013 Time: 09:19

Lab File ID: 1218A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.18832	.18519	.1	-2	20	
chloromethane	100	92.912	.1	-7	20	
vinyl chloride	100	92.243	.1	-8	20	
bromomethane	100	107	.1	7	20	
chloroethane	100	76.377	.1	-24	20	F
trichlorofluoromethane	.33683	.32265	.1	-4	20	
ethyl ether	.1212	.10642	.05	-12	20	
1,1,-dichloroethene	.22262	.18956	.1	-15	20	
carbon disulfide	100	79.394	.1	-21	20	F
methylene chloride	100	84.029	.1	-16	20	
acetone	100	130	.1	30	20	F
trans-1,2-dichloroethene	.26173	.22311	.1	-15	20	
methyl tert butyl ether	.60479	.52798	.1	-13	20	
Diisopropyl Ether	1.0458	.874	.05	-16	20	
1,1-dichloroethane	.5436	.48877	.2	-10	20	
Ethyl-Tert-Butyl-Ether	.911	.84042	.05	-8	20	
cis-1,2-dichloroethene	.27799	.24553	.1	-12	20	
2,2-dichloropropane	.35171	.3406	.05	-3	20	
bromochloromethane	.12984	.12707	.05	-2	20	
chloroform	.44702	.41366	.2	-7	20	
carbontetrachloride	.34389	.30802	.1	-10	20	
tetrahydrofuran	.09245	.0664	.05	-28	20	F
1,1,1-trichloroethane	.39751	.35689	.1	-10	20	
2-butanone	.14186	.14321	.1	1	20	
1,1-dichloropropene	.32911	.28536	.05	-13	20	
benzene	1.0319	.84088	.5	-19	20	
Tertiary-Amyl Methyl Ether	.61291	.52613	.05	-14	20	
1,2-dichloroethane	.36498	.33247	.1	-9	20	
trichloroethene	.25885	.2276	.2	-12	20	
dibromomethane	.14599	.1316	.05	-10	20	
1,2-dichloropropane	.2993	.27436	.1	-8	20	
bromodichloromethane	.33589	.30975	.2	-8	20	
1,4-dioxane	.00246	.00207	.05	-16	20	F
cis-1,3-dichloropropene	.38482	.33558	.2	-13	20	
toluene	.88345	.7388	.4	-16	20	
4-methyl-2-pentanone	.11106	.08886	.1	-20	20	
tetrachloroethene	.38403	.3406	.2	-11	20	
trans-1,3-dichloropropene	.49088	.43491	.1	-11	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325284

Instrument ID: Voal00.i Calibration Date: 18-DEC-2013 Time: 09:19

Lab File ID: 1218A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.21395	.1	-10	20
chlorodibromomethane	.37052	.3347	.1	-10	20
1,3-dichloropropane	.5037	.428	.05	-15	20
1,2-dibromoethane	.29224	.26554	.1	-9	20
2-hexanone	.2592	.20672	.1	-20	20
chlorobenzene	.99049	.87335	.5	-12	20
ethyl benzene	1.6824	1.3871	.1	-18	20
1,1,1,2-tetrachloroethane	.35511	.33058	.05	-7	20
p/m xylene	.67162	.55511	.1	-17	20
o xylene	.61821	.52824	.3	-15	20
styrene	1.0041	.89505	.3	-11	20
bromoform	.44959	.39072	.1	-13	20
isopropylbenzene	3.0990	2.5651	.1	-17	20
bromobenzene	.77202	.69061	.05	-11	20
n-propylbenzene	3.5073	2.9247	.05	-17	20
1,1,2,2,-tetrachloroethane	.77486	.63764	.3	-18	20
2-chlorotoluene	2.3619	2.0581	.05	-13	20
1,3,5-trimethylbenzene	2.6433	2.2487	.05	-15	20
1,2,3-trichloropropane	.63167	.5042	.05	-20	20
4-chorotoluene	2.2438	1.9228	.05	-14	20
tert-butylbenzene	2.2528	1.9988	.05	-11	20
1,2,4-trimethylbenzene	2.5422	2.1879	.05	-14	20
sec-butylbenzene	3.4471	2.8715	.05	-17	20
p-isopropyltoluene	2.8589	2.5952	.05	-9	20
1,3-dichlorobenzene	1.5833	1.4158	.6	-11	20
1,4-dichlorobenzene	1.5941	1.4178	.5	-11	20
n-butylbenzene	2.6718	2.2574	.05	-16	20
1,2-dichlorobenzene	1.4725	1.3048	.4	-11	20
1,2-dibromo-3-chloropropane	100	83.922	.05	-16	20
hexachlorobutadiene	.50157	.44235	.05	-12	20
1,2,4-trichlorobenzene	.95266	.86543	.2	-9	20
naphthalene	2.2469	1.8757	.05	-17	20
1,2,3-trichlorobenzene	.88277	.7693	.05	-13	20
dibromofluoromethane	.25768	.26739	.05	4	30
1,2-dichloroethane-d4	.28696	.286	.05	0	30
toluene-d8	1.2970	1.2832	.05	-1	30
4-bromofluorobenzene	.89072	.88338	.05	-1	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325284

Instrument ID: Voal00.i Calibration Date: 19-DEC-2013 Time: 09:01

Lab File ID: 1219A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.18832	.16448	.1	-13	20	
chloromethane	100	85.787	.1	-14	20	
vinyl chloride	100	89.816	.1	-10	20	
bromomethane	100	117	.1	17	20	
chloroethane	100	77.951	.1	-22	20	F
trichlorofluoromethane	.33683	.29229	.1	-13	20	
ethyl ether	.1212	.11441	.05	-6	20	
1,1,-dichloroethene	.22262	.19853	.1	-11	20	
carbon disulfide	100	85.175	.1	-15	20	
methylene chloride	100	88.870	.1	-11	20	
acetone	100	157	.1	57	20	F
trans-1,2-dichloroethene	.26173	.23222	.1	-11	20	
methyl tert butyl ether	.60479	.55799	.1	-8	20	
Diisopropyl Ether	1.0458	.85302	.05	-18	20	
1,1-dichloroethane	.5436	.48593	.2	-11	20	
Ethyl-Tert-Butyl-Ether	.911	.83863	.05	-8	20	
cis-1,2-dichloroethene	.27799	.25181	.1	-9	20	
2,2-dichloropropane	.35171	.3327	.05	-5	20	
bromochloromethane	.12984	.12503	.05	-4	20	
chloroform	.44702	.40529	.2	-9	20	
carbontetrachloride	.34389	.28637	.1	-17	20	
tetrahydrofuran	.09245	.06868	.05	-26	20	F
1,1,1-trichloroethane	.39751	.33902	.1	-15	20	
2-butanone	.14186	.16729	.1	18	20	
1,1-dichloropropene	.32911	.29214	.05	-11	20	
benzene	1.0319	.87621	.5	-15	20	
Tertiary-Amyl Methyl Ether	.61291	.55953	.05	-9	20	
1,2-dichloroethane	.36498	.31804	.1	-13	20	
trichloroethene	.25885	.22656	.2	-12	20	
dibromomethane	.14599	.13406	.05	-8	20	
1,2-dichloropropane	.2993	.28002	.1	-6	20	
bromodichloromethane	.33589	.30559	.2	-9	20	
1,4-dioxane	.00246	.00224	.05	-9	20	F
cis-1,3-dichloropropene	.38482	.35076	.2	-9	20	
toluene	.88345	.75718	.4	-14	20	
4-methyl-2-pentanone	.11106	.09573	.1	-14	20	
tetrachloroethene	.38403	.33431	.2	-13	20	
trans-1,3-dichloropropene	.49088	.44785	.1	-9	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325284

Instrument ID: Voal00.i Calibration Date: 19-DEC-2013 Time: 09:01

Lab File ID: 1219A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.22448	.1	-6	20
chlorodibromomethane	.37052	.33101	.1	-11	20
1,3-dichloropropane	.5037	.44936	.05	-11	20
1,2-dibromoethane	.29224	.27383	.1	-6	20
2-hexanone	.2592	.24725	.1	-5	20
chlorobenzene	.99049	.87656	.5	-12	20
ethyl benzene	1.6824	1.4124	.1	-16	20
1,1,1,2-tetrachloroethane	.35511	.32228	.05	-9	20
p/m xylene	.67162	.56023	.1	-17	20
o xylene	.61821	.53239	.3	-14	20
styrene	1.0041	.90212	.3	-10	20
bromoform	.44959	.41086	.1	-9	20
isopropylbenzene	3.0990	2.6739	.1	-14	20
bromobenzene	.77202	.70591	.05	-9	20
n-propylbenzene	3.5073	3.0628	.05	-13	20
1,1,2,2,-tetrachloroethane	.77486	.67484	.3	-13	20
2-chlorotoluene	2.3619	2.1224	.05	-10	20
1,3,5-trimethylbenzene	2.6433	2.3175	.05	-12	20
1,2,3-trichloropropane	.63167	.54093	.05	-14	20
4-chlorotoluene	2.2438	1.9942	.05	-11	20
tert-butylbenzene	2.2528	2.0315	.05	-10	20
1,2,4-trimethylbenzene	2.5422	2.2537	.05	-11	20
sec-butylbenzene	3.4471	2.9584	.05	-14	20
p-isopropyltoluene	2.8589	2.6190	.05	-8	20
1,3-dichlorobenzene	1.5833	1.4322	.6	-10	20
1,4-dichlorobenzene	1.5941	1.4420	.5	-10	20
n-butylbenzene	2.6718	2.3399	.05	-12	20
1,2-dichlorobenzene	1.4725	1.3370	.4	-9	20
1,2-dibromo-3-chloropropane	100	88.533	.05	-11	20
hexachlorobutadiene	.50157	.4429	.05	-12	20
1,2,4-trichlorobenzene	.95266	.89283	.2	-6	20
naphthalene	2.2469	2.0250	.05	-10	20
1,2,3-trichlorobenzene	.88277	.80544	.05	-9	20
dibromofluoromethane	.25768	.25746	.05	0	30
1,2-dichloroethane-d4	.28696	.27002	.05	-6	30
toluene-d8	1.2970	1.2766	.05	-2	30
4-bromofluorobenzene	.89072	.91621	.05	3	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1325396
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/20/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325396
Report Date: 12/20/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325396-01	TB-08	NEW BEDFORD, MA	12/13/13 00:00
L1325396-02	B09C (0-2)	NEW BEDFORD, MA	12/13/13 10:50
L1325396-03	B09C (3-5)	NEW BEDFORD, MA	12/13/13 10:51
L1325396-04	B09C (8-10)	NEW BEDFORD, MA	12/13/13 10:52
L1325396-05	B09C (13-15)	NEW BEDFORD, MA	12/13/13 10:53
L1325396-06	B09C (18-20)	NEW BEDFORD, MA	12/13/13 10:54
L1325396-07	B09C (23-25)	NEW BEDFORD, MA	12/13/13 10:55
L1325396-08	B09C (28-30)	NEW BEDFORD, MA	12/13/13 10:56
L1325396-09	B09C (32.5-34.5)	NEW BEDFORD, MA	12/13/13 10:57
L1325396-10	B09D (0-2)	NEW BEDFORD, MA	12/13/13 14:37
L1325396-11	B09D (3-5)	NEW BEDFORD, MA	12/13/13 14:38
L1325396-12	B09D (8-10)	NEW BEDFORD, MA	12/13/13 14:39
L1325396-13	B09D (13-15)	NEW BEDFORD, MA	12/13/13 14:40
L1325396-14	B09D (18-20)	NEW BEDFORD,MA	12/13/13 14:41
L1325396-15	B09D (23-25)	NEW BEDFORD,MA	12/13/13 14:42
L1325396-16	B09D (28-30)	NEW BEDFORD,MA	12/13/13 14:43
L1325396-17	B09D (33-35)	NEW BEDFORD,MA	12/13/13 14:44
L1325396-18	B09D (36-38)	NEW BEDFORD,MA	12/13/13 14:45

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325396
Report Date: 12/20/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325396
Report Date: 12/20/13

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question H:

The continuing calibration standard, associated with L1325396-01, -07, and -13, is outside the acceptance criteria for chloroethane; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:

L1325396-02 and -10: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1325396-02 and -10 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

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

Authorized Signature:

 Lisa Westerlind

Title: Technical Director/Representative

Date: 12/20/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-01
Client ID: TB-08
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/19/13 14:40
Analyst: JC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/13/13 00:00
Date Received: 12/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-01

Date Collected: 12/13/13 00:00

Client ID: TB-08

Date Received: 12/13/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-07
 Client ID: B09C (23-25)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/19/13 15:08
 Analyst: JC
 Percent Solids: 90%

Date Collected: 12/13/13 10:55
 Date Received: 12/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	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
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
Bromoform	ND		ug/kg	4.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.3	--	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	130		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	--	1
cis-1,2-Dichloroethene	16		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	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
o-Chlorotoluene	ND		ug/kg	4.3	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-07

Date Collected: 12/13/13 10:55

Client ID: B09C (23-25)

Date Received: 12/13/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.3	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-13
 Client ID: B09D (13-15)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/19/13 15:37
 Analyst: JC
 Percent Solids: 53%

Date Collected: 12/13/13 14:40
 Date Received: 12/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	24	--	1
1,1-Dichloroethane	ND		ug/kg	3.6	--	1
Chloroform	ND		ug/kg	3.6	--	1
Carbon tetrachloride	ND		ug/kg	2.4	--	1
1,2-Dichloropropane	ND		ug/kg	8.3	--	1
Dibromochloromethane	ND		ug/kg	2.4	--	1
1,1,2-Trichloroethane	ND		ug/kg	3.6	--	1
Tetrachloroethene	ND		ug/kg	2.4	--	1
Chlorobenzene	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	2.4	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.4	--	1
Bromodichloromethane	ND		ug/kg	2.4	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.4	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.4	--	1
Bromoform	ND		ug/kg	9.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.4	--	1
Chloromethane	ND		ug/kg	9.5	--	1
Vinyl chloride	79		ug/kg	4.7	--	1
Chloroethane	ND		ug/kg	4.7	--	1
1,1-Dichloroethene	ND		ug/kg	2.4	--	1
trans-1,2-Dichloroethene	3.8		ug/kg	3.6	--	1
Trichloroethene	ND		ug/kg	2.4	--	1
1,2-Dichlorobenzene	ND		ug/kg	9.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	9.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	9.5	--	1
cis-1,2-Dichloroethene	110		ug/kg	2.4	--	1
Dichlorodifluoromethane	ND		ug/kg	24	--	1
1,2-Dibromoethane	ND		ug/kg	9.5	--	1
1,3-Dichloropropane	ND		ug/kg	9.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.4	--	1
o-Chlorotoluene	ND		ug/kg	9.5	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-13

Date Collected: 12/13/13 14:40

Client ID: B09D (13-15)

Date Received: 12/13/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	9.5	--	1
Hexachlorobutadiene	ND		ug/kg	9.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 10:25
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,07,13 Batch: WG660555-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325396
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/19/13 10:25
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,07,13 Batch: WG660555-3					
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	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 10:25
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,07,13 Batch: WG660555-3					
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	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,07,13 Batch: WG660555-1 WG660555-2								
Methylene chloride	89		86		70-130	3		20
1,1-Dichloroethane	89		85		70-130	5		20
Chloroform	91		87		70-130	4		20
Carbon tetrachloride	83		79		70-130	5		20
1,2-Dichloropropane	94		89		70-130	5		20
Dibromochloromethane	89		88		70-130	1		20
1,1,2-Trichloroethane	94		91		70-130	3		20
Tetrachloroethene	87		82		70-130	6		20
Chlorobenzene	88		85		70-130	3		20
Trichlorofluoromethane	87		80		70-130	8		20
1,2-Dichloroethane	87		85		70-130	2		20
1,1,1-Trichloroethane	85		80		70-130	6		20
Bromodichloromethane	91		88		70-130	3		20
trans-1,3-Dichloropropene	91		88		70-130	3		20
cis-1,3-Dichloropropene	91		88		70-130	3		20
1,1-Dichloropropene	89		82		70-130	8		20
Bromoform	91		88		70-130	3		20
1,1,2,2-Tetrachloroethane	87		86		70-130	1		20
Benzene	85		80		70-130	6		20
Toluene	86		80		70-130	7		20
Ethylbenzene	84		80		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,07,13 Batch: WG660555-1 WG660555-2								
Chloromethane	86		79		70-130	8		20
Bromomethane	117		113		70-130	3		20
Vinyl chloride	90		81		70-130	11		20
Chloroethane	78		74		70-130	5		20
1,1-Dichloroethene	89		81		70-130	9		20
trans-1,2-Dichloroethene	89		83		70-130	7		20
Trichloroethene	88		82		70-130	7		20
1,2-Dichlorobenzene	91		88		70-130	3		20
1,3-Dichlorobenzene	90		87		70-130	3		20
1,4-Dichlorobenzene	90		87		70-130	3		20
Methyl tert butyl ether	92		90		70-130	2		20
p/m-Xylene	83		78		70-130	6		20
o-Xylene	86		82		70-130	5		20
cis-1,2-Dichloroethene	91		87		70-130	4		20
Dibromomethane	92		90		70-130	2		20
1,2,3-Trichloropropane	86		83		70-130	4		20
Styrene	90		87		70-130	3		20
Dichlorodifluoromethane	87		80		70-130	8		20
Acetone	157	Q	110		70-130	35	Q	20
Carbon disulfide	85		78		70-130	9		20
Methyl ethyl ketone	118		95		70-130	22	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,07,13 Batch: WG660555-1 WG660555-2								
Methyl isobutyl ketone	86		83		70-130	4		20
2-Hexanone	95		79		70-130	18		20
Bromochloromethane	96		94		70-130	2		20
Tetrahydrofuran	74		74		70-130	0		20
2,2-Dichloropropane	95		88		70-130	8		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	89		86		70-130	3		20
1,1,1,2-Tetrachloroethane	91		88		70-130	3		20
Bromobenzene	91		88		70-130	3		20
n-Butylbenzene	88		82		70-130	7		20
sec-Butylbenzene	86		80		70-130	7		20
tert-Butylbenzene	90		84		70-130	7		20
o-Chlorotoluene	90		85		70-130	6		20
p-Chlorotoluene	89		84		70-130	6		20
1,2-Dibromo-3-chloropropane	88		98		70-130	11		20
Hexachlorobutadiene	88		83		70-130	6		20
Isopropylbenzene	86		81		70-130	6		20
p-Isopropyltoluene	92		86		70-130	7		20
Naphthalene	90		91		70-130	1		20
n-Propylbenzene	87		81		70-130	7		20
1,2,3-Trichlorobenzene	91		91		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,07,13 Batch: WG660555-1 WG660555-2								
1,2,4-Trichlorobenzene	94		93		70-130	1		20
1,3,5-Trimethylbenzene	88		83		70-130	6		20
1,2,4-Trimethylbenzene	89		85		70-130	5		20
Diethyl ether	94		92		70-130	2		20
Diisopropyl Ether	82		79		70-130	4		20
Ethyl-Tert-Butyl-Ether	92		90		70-130	2		20
Tertiary-Amyl Methyl Ether	91		90		70-130	1		20
1,4-Dioxane	91		90		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	100		100		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-02 D
 Client ID: B09C (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/18/13 17:53
 Analyst: JT
 Percent Solids: 97%

Date Collected: 12/13/13 10:50
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:14
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	2000	--	100	A
Aroclor 1221	ND		ug/kg	2000	--	100	A
Aroclor 1232	ND		ug/kg	2000	--	100	A
Aroclor 1242	ND		ug/kg	2000	--	100	A
Aroclor 1248	ND		ug/kg	1330	--	100	A
Aroclor 1254	30200		ug/kg	2000	--	100	B
Aroclor 1260	ND		ug/kg	1330	--	100	A
Aroclor 1262	ND		ug/kg	666	--	100	A
Aroclor 1268	ND		ug/kg	666	--	100	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-07
Client ID: B09C (23-25)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/17/13 17:24
Analyst: JT
Percent Solids: 90%

Date Collected: 12/13/13 10:55
Date Received: 12/13/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/14/13 09:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/16/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.8	--	1	A
Aroclor 1221	ND		ug/kg	20.8	--	1	A
Aroclor 1232	ND		ug/kg	20.8	--	1	A
Aroclor 1242	ND		ug/kg	20.8	--	1	A
Aroclor 1248	ND		ug/kg	13.9	--	1	A
Aroclor 1254	ND		ug/kg	20.8	--	1	A
Aroclor 1260	17.6		ug/kg	13.9	--	1	B
Aroclor 1262	ND		ug/kg	6.93	--	1	A
Aroclor 1268	ND		ug/kg	6.93	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-10 D
 Client ID: B09D (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/20/13 11:27
 Analyst: JT
 Percent Solids: 91%

Date Collected: 12/13/13 14:37
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:14
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	54600	--	2500	A
Aroclor 1221	ND		ug/kg	54600	--	2500	A
Aroclor 1232	ND		ug/kg	54600	--	2500	A
Aroclor 1242	ND		ug/kg	54600	--	2500	A
Aroclor 1248	752000		ug/kg	36400	--	2500	B
Aroclor 1254	511000		ug/kg	54600	--	2500	A
Aroclor 1260	96000		ug/kg	36400	--	2500	B
Aroclor 1262	ND		ug/kg	18200	--	2500	A
Aroclor 1268	ND		ug/kg	18200	--	2500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-13
Client ID: B09D (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/17/13 17:51
Analyst: JT
Percent Solids: 53%

Date Collected: 12/13/13 14:40
Date Received: 12/13/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/14/13 09:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/16/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	--	1	A
Aroclor 1221	ND		ug/kg	35.9	--	1	A
Aroclor 1232	ND		ug/kg	35.9	--	1	A
Aroclor 1242	ND		ug/kg	35.9	--	1	A
Aroclor 1248	ND		ug/kg	24.0	--	1	A
Aroclor 1254	ND		ug/kg	35.9	--	1	A
Aroclor 1260	ND		ug/kg	24.0	--	1	A
Aroclor 1262	ND		ug/kg	12.0	--	1	A
Aroclor 1268	ND		ug/kg	12.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/17/13 18:04
 Analyst: JT

Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:14
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02,07,10,13 Batch: WG659035-1						
Aroclor 1016	ND		ug/kg	19.9	--	A
Aroclor 1221	ND		ug/kg	19.9	--	A
Aroclor 1232	ND		ug/kg	19.9	--	A
Aroclor 1242	ND		ug/kg	19.9	--	A
Aroclor 1248	ND		ug/kg	13.3	--	A
Aroclor 1254	ND		ug/kg	19.9	--	A
Aroclor 1260	ND		ug/kg	13.3	--	A
Aroclor 1262	ND		ug/kg	6.64	--	A
Aroclor 1268	ND		ug/kg	6.64	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	105		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325396
Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02,07,10,13 Batch: WG659035-2 WG659035-3									
Aroclor 1016	92		94		40-140	2		30	A
Aroclor 1260	86		96		40-140	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		75		30-150	A
Decachlorobiphenyl	75		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		70		30-150	B
Decachlorobiphenyl	102		105		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325396-02
 Client ID: B09C (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 10:50
 Date Received: 12/13/13
 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	97.0		%	0.100	NA	1	-	12/18/13 02:12	30,2540G	TA



Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325396-07
 Client ID: B09C (23-25)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 10:55
 Date Received: 12/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	12/18/13 02:12	30,2540G	TA



Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325396-10
 Client ID: B09D (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 14:37
 Date Received: 12/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	12/18/13 02:12	30,2540G	TA



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325396**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325396-13
Client ID: B09D (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/13/13 14:40
Date Received: 12/13/13
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	52.8		%	0.100	NA	1	-	12/18/13 02:12	30,2540G	TA



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325396

Report Date: 12/20/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,07,10,13 QC Batch ID: WG659814-1 QC Sample: L1325396-02 Client ID: B09C (0-2)						
Solids, Total	97.0	97.8	%	1		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1325396

Project Number: 39744051.10003

Report Date: 12/20/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/13/2013 23:09

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325396-01A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-01B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-01C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-02A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325396-03A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-04A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-05A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-06A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-07A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-07B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-07C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-07D	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325396-08A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-09A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-10A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325396-11A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-12A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-13A	Vial MeOH preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-13B	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-13C	Vial water preserved	A	N/A	2.2	Y	Absent	MCP-8260HLW-10(14)
L1325396-13D	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325396-14A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-15A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-16A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()
L1325396-17A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE**Project Number:** 39744051.10003**Lab Number:** L1325396**Report Date:** 12/20/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325396-18A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	HOLD()

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325396
Report Date: 12/20/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325396
Report Date: 12/20/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325396
Report Date: 12/20/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 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 VIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/13/13
ALPHA Job #: L1325396

Client Information
Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Project Information
Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair/M. Wade
ALPHA Quote #:

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

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
Date Due: 12/20/13

ANALYSIS

SVOC: 8260 624 5242
METALS: ABN PAH
METALS: MCP 13 MCP 14 RCP 15
EPH: RCRA5 RCRA8 PPT3
VPH: Ranges & Targets Ranges Only
 WPCB PEST
TPH: Quant Only Fingerprint
Total Solids (from PCB)

SAMPLE INFO
Filtration
 Field Lab to do
Preservation
 Lab to do

TOTAL # BOTTLES

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	TOTAL # BOTTLES	Sample Comments
		Date	Time					
25396-01	TB-08	12.13.13		TB	JKH	3	3	CVOC
02	B09C (0-2)		1050	S	JKH		1	
03	B09C (3-5)		1051	S	JKH		1	HOLD
04	B09C (8-10)		1052	S	JKH		1	HOLD
05	B09C (13-15)		1053	S	JKH		1	HOLD
06	B09C (18-20)		1054	S	JKH		1	HOLD
07	B09C (23-25)		1055	S	JKH	3	4	CVOC
08	B09C (28-30)		1056	S	JKH		1	HOLD
09	B09C (32.5-34.5)		1057	S	JKH		1	HOLD
10	B09D (0-2)		1437	S	JKH		1	

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
Q= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= NaOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type: V
Preservative: 0

Relinquished By: [Signature] Date/Time: 12/13/13 1530
Received By: [Signature] Date/Time: 12/13/13 1570

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 12/13/13 ALPHA Job #: L1325396

8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
 320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Project Information | **Report Information - Data Deliverables** | **Billing Information**

Project Name: *Aerovox Geoprobe* | ADEX EMAIL | Same as Client info PO #:

Client Information

Client: *URS*
 Address: *1155 Elm St, Suite 401 Manchester, NH 03101*
 Phone: *(603) 606-4800*
 Email: *judith.leclair@urs.com*

Project Location: *New Bedford, MA*
 Project #: *39744051.10003*
 Project Manager: *J. LeClair/M. Wade*
 ALPHA Quote #:

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
 Date Due: *12/20/13*

ANALYSIS

SVOC: 8260 624 5242
 METALS: ABN PAH
 METALS: MCP 13 MCP 14 RCP 15
 EPH: RCRAS RCRAS RCRAS
 VPH: Ranges & Targets Ranges Only
 PCB PEST
 TPH: Quant Only Fingerprint
Total Solids (from PCB)

SAMPLE INFO

Filtration
 Field
 Lab to do

Preservation
 Lab to do

TOTAL # BOTTLES

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATION	COMMENTS	TOTAL # BOTTLES
		Date	Time						
25396-11	B09D(3-5)	12-13-13	1438	S	JKH			Hold	1
12	B09D(8-10)	}	1439	S	JKH			Hold	1
13	B09D(13-15)		1440	S	JKH	3		CVOC	4
14	B09D(18-20)		1441	S	JKH			Hold	
15	B09D(23-25)		1442	S	JKH			Hold	
16	B09D(28-30)		1443	S	JKH			Hold	
17	B09D(33-35)		1444	S	JKH			Hold	
18	B09D(36-38)		1445	S	JKH			Hold	

Container Type: Plastic Glass Other | Preservative: None HCl HNO₃ H₂SO₄ NaOH MeOH NaHSO₄ Na₂S₂O₈ Ascorbic Acid NH₄Cl Zn Acetate Other

Relinquished By: *[Signature]* Date/Time: *12/13/13 1530* Received By: *[Signature]* Date/Time: *12/13/13 1530*

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325396

Instrument ID: Voal00.i Calibration Date: 19-DEC-2013 Time: 09:01

Lab File ID: 1219A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.18832	.16448	.1	-13	20	
chloromethane	100	85.787	.1	-14	20	
vinyl chloride	100	89.816	.1	-10	20	
bromomethane	100	117	.1	17	20	
chloroethane	100	77.951	.1	-22	20	F
trichlorofluoromethane	.33683	.29229	.1	-13	20	
ethyl ether	.1212	.11441	.05	-6	20	
1,1,-dichloroethene	.22262	.19853	.1	-11	20	
carbon disulfide	100	85.175	.1	-15	20	
methylene chloride	100	88.870	.1	-11	20	
acetone	100	157	.1	57	20	F
trans-1,2-dichloroethene	.26173	.23222	.1	-11	20	
methyl tert butyl ether	.60479	.55799	.1	-8	20	
Diisopropyl Ether	1.0458	.85302	.05	-18	20	
1,1-dichloroethane	.5436	.48593	.2	-11	20	
Ethyl-Tert-Butyl-Ether	.911	.83863	.05	-8	20	
cis-1,2-dichloroethene	.27799	.25181	.1	-9	20	
2,2-dichloropropane	.35171	.3327	.05	-5	20	
bromochloromethane	.12984	.12503	.05	-4	20	
chloroform	.44702	.40529	.2	-9	20	
carbontetrachloride	.34389	.28637	.1	-17	20	
tetrahydrofuran	.09245	.06868	.05	-26	20	F
1,1,1-trichloroethane	.39751	.33902	.1	-15	20	
2-butanone	.14186	.16729	.1	18	20	
1,1-dichloropropene	.32911	.29214	.05	-11	20	
benzene	1.0319	.87621	.5	-15	20	
Tertiary-Amyl Methyl Ether	.61291	.55953	.05	-9	20	
1,2-dichloroethane	.36498	.31804	.1	-13	20	
trichloroethene	.25885	.22656	.2	-12	20	
dibromomethane	.14599	.13406	.05	-8	20	
1,2-dichloropropane	.2993	.28002	.1	-6	20	
bromodichloromethane	.33589	.30559	.2	-9	20	
1,4-dioxane	.00246	.00224	.05	-9	20	F
cis-1,3-dichloropropene	.38482	.35076	.2	-9	20	
toluene	.88345	.75718	.4	-14	20	
4-methyl-2-pentanone	.11106	.09573	.1	-14	20	
tetrachloroethene	.38403	.33431	.2	-13	20	
trans-1,3-dichloropropene	.49088	.44785	.1	-9	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325396

Instrument ID: Voal00.i Calibration Date: 19-DEC-2013 Time: 09:01

Lab File ID: 1219A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.22448	.1	-6	20
chlorodibromomethane	.37052	.33101	.1	-11	20
1,3-dichloropropane	.5037	.44936	.05	-11	20
1,2-dibromoethane	.29224	.27383	.1	-6	20
2-hexanone	.2592	.24725	.1	-5	20
chlorobenzene	.99049	.87656	.5	-12	20
ethyl benzene	1.6824	1.4124	.1	-16	20
1,1,1,2-tetrachloroethane	.35511	.32228	.05	-9	20
p/m xylene	.67162	.56023	.1	-17	20
o xylene	.61821	.53239	.3	-14	20
styrene	1.0041	.90212	.3	-10	20
bromoform	.44959	.41086	.1	-9	20
isopropylbenzene	3.0990	2.6739	.1	-14	20
bromobenzene	.77202	.70591	.05	-9	20
n-propylbenzene	3.5073	3.0628	.05	-13	20
1,1,2,2,-tetrachloroethane	.77486	.67484	.3	-13	20
2-chlorotoluene	2.3619	2.1224	.05	-10	20
1,3,5-trimethylbenzene	2.6433	2.3175	.05	-12	20
1,2,3-trichloropropane	.63167	.54093	.05	-14	20
4-chorotoluene	2.2438	1.9942	.05	-11	20
tert-butylbenzene	2.2528	2.0315	.05	-10	20
1,2,4-trimethylbenzene	2.5422	2.2537	.05	-11	20
sec-butylbenzene	3.4471	2.9584	.05	-14	20
p-isopropyltoluene	2.8589	2.6190	.05	-8	20
1,3-dichlorobenzene	1.5833	1.4322	.6	-10	20
1,4-dichlorobenzene	1.5941	1.4420	.5	-10	20
n-butylbenzene	2.6718	2.3399	.05	-12	20
1,2-dichlorobenzene	1.4725	1.3370	.4	-9	20
1,2-dibromo-3-chloropropane	100	88.533	.05	-11	20
hexachlorobutadiene	.50157	.4429	.05	-12	20
1,2,4-trichlorobenzene	.95266	.89283	.2	-6	20
naphthalene	2.2469	2.0250	.05	-10	20
1,2,3-trichlorobenzene	.88277	.80544	.05	-9	20
dibromofluoromethane	.25768	.25746	.05	0	30
1,2-dichloroethane-d4	.28696	.27002	.05	-6	30
toluene-d8	1.2970	1.2766	.05	-2	30
4-bromofluorobenzene	.89072	.91621	.05	3	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1325398
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/20/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325398
Report Date: 12/20/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325398-01	BO 4.5E (0-2)	NEW BEDFORD, MA	12/13/13 11:10
L1325398-02	BO 5.5E (0-2)	NEW BEDFORD, MA	12/13/13 11:35
L1325398-03	BO 6.5E (0-2)	NEW BEDFORD, MA	12/13/13 12:00
L1325398-04	BO 7.5E (0-2)	NEW BEDFORD, MA	12/13/13 12:25
L1325398-05	BO 8.5E (0-2)	NEW BEDFORD, MA	12/13/13 12:45
L1325398-06	BO 7.5F (0-2)	NEW BEDFORD, MA	12/13/13 13:45
L1325398-07	BO 8.5F (0-2)	NEW BEDFORD, MA	12/13/13 14:00
L1325398-08	DUP-03	NEW BEDFORD, MA	12/13/13 14:05
L1325398-09	BO 8G (0-2)	NEW BEDFORD, MA	12/13/13 14:20
L1325398-10	BO 7G (0-2)	NEW BEDFORD, MA	12/13/13 14:45
L1325398-11	BO 8H (0-2)	NEW BEDFORD, MA	12/13/13 15:00

Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325398
Report Date: 12/20/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325398
Report Date: 12/20/13

Case Narrative (continued)

MCP Related Narratives

PCBs

In reference to question G:

L1325398-02 through -11: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1325398-02 through -11 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 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 WG659036-4/-5 MS/MSD, associated with L1325398-02, was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

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: 12/20/13

ORGANICS

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-01
Client ID: BO 4.5E (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/17/13 08:37
Analyst: JT
Percent Solids: 89%

Date Collected: 12/13/13 11:10
Date Received: 12/13/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/14/13 09:38
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/16/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.9	--	1	A
Aroclor 1221	ND		ug/kg	21.9	--	1	A
Aroclor 1232	ND		ug/kg	21.9	--	1	A
Aroclor 1242	ND		ug/kg	21.9	--	1	A
Aroclor 1248	ND		ug/kg	14.6	--	1	A
Aroclor 1254	510		ug/kg	21.9	--	1	B
Aroclor 1260	ND		ug/kg	14.6	--	1	A
Aroclor 1262	ND		ug/kg	7.30	--	1	A
Aroclor 1268	ND		ug/kg	7.30	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-02 D
 Client ID: BO 5.5E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 14:56
 Analyst: JT
 Percent Solids: 93%

Date Collected: 12/13/13 11:35
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	4160	--	200	A
Aroclor 1221	ND		ug/kg	4160	--	200	A
Aroclor 1232	ND		ug/kg	4160	--	200	A
Aroclor 1242	ND		ug/kg	4160	--	200	A
Aroclor 1248	33600		ug/kg	2770	--	200	B
Aroclor 1254	26100		ug/kg	4160	--	200	A
Aroclor 1260	5410		ug/kg	2770	--	200	B
Aroclor 1262	ND		ug/kg	1390	--	200	A
Aroclor 1268	ND		ug/kg	1390	--	200	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-03 D
 Client ID: BO 6.5E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 15:09
 Analyst: JT
 Percent Solids: 93%

Date Collected: 12/13/13 12:00
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	1070	--	50	A
Aroclor 1221	ND		ug/kg	1070	--	50	A
Aroclor 1232	ND		ug/kg	1070	--	50	A
Aroclor 1242	ND		ug/kg	1070	--	50	A
Aroclor 1248	ND		ug/kg	715	--	50	A
Aroclor 1254	6750		ug/kg	1070	--	50	B
Aroclor 1260	ND		ug/kg	715	--	50	A
Aroclor 1262	ND		ug/kg	357	--	50	A
Aroclor 1268	ND		ug/kg	357	--	50	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-04 D
 Client ID: BO 7.5E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/18/13 16:28
 Analyst: JT
 Percent Solids: 87%

Date Collected: 12/13/13 12:25
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	56800	--	2500	A
Aroclor 1221	ND		ug/kg	56800	--	2500	A
Aroclor 1232	ND		ug/kg	56800	--	2500	A
Aroclor 1242	ND		ug/kg	56800	--	2500	A
Aroclor 1248	ND		ug/kg	37900	--	2500	A
Aroclor 1254	363000		ug/kg	56800	--	2500	A
Aroclor 1260	ND		ug/kg	37900	--	2500	A
Aroclor 1262	ND		ug/kg	18900	--	2500	A
Aroclor 1268	ND		ug/kg	18900	--	2500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-05 D
 Client ID: BO 8.5E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 15:39
 Analyst: JT
 Percent Solids: 88%

Date Collected: 12/13/13 12:45
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	8670	--	400	A
Aroclor 1221	ND		ug/kg	8670	--	400	A
Aroclor 1232	ND		ug/kg	8670	--	400	A
Aroclor 1242	ND		ug/kg	8670	--	400	A
Aroclor 1248	ND		ug/kg	5780	--	400	A
Aroclor 1254	77200		ug/kg	8670	--	400	B
Aroclor 1260	ND		ug/kg	5780	--	400	A
Aroclor 1262	ND		ug/kg	2890	--	400	A
Aroclor 1268	ND		ug/kg	2890	--	400	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-06 D
 Client ID: BO 7.5F (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/18/13 16:42
 Analyst: JT
 Percent Solids: 91%

Date Collected: 12/13/13 13:45
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	52600	--	2500	A
Aroclor 1221	ND		ug/kg	52600	--	2500	A
Aroclor 1232	ND		ug/kg	52600	--	2500	A
Aroclor 1242	ND		ug/kg	52600	--	2500	A
Aroclor 1248	ND		ug/kg	35100	--	2500	A
Aroclor 1254	533000		ug/kg	52600	--	2500	A
Aroclor 1260	ND		ug/kg	35100	--	2500	A
Aroclor 1262	ND		ug/kg	17600	--	2500	A
Aroclor 1268	ND		ug/kg	17600	--	2500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-07 D
 Client ID: BO 8.5F (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 16:05
 Analyst: JT
 Percent Solids: 86%

Date Collected: 12/13/13 14:00
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	11200	--	500	A
Aroclor 1221	ND		ug/kg	11200	--	500	A
Aroclor 1232	ND		ug/kg	11200	--	500	A
Aroclor 1242	ND		ug/kg	11200	--	500	A
Aroclor 1248	ND		ug/kg	7450	--	500	A
Aroclor 1254	245000		ug/kg	11200	--	500	B
Aroclor 1260	ND		ug/kg	7450	--	500	A
Aroclor 1262	ND		ug/kg	3720	--	500	A
Aroclor 1268	ND		ug/kg	3720	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-08 D
 Client ID: DUP-03
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 16:18
 Analyst: JT
 Percent Solids: 87%

Date Collected: 12/13/13 14:05
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	10900	--	500	A
Aroclor 1221	ND		ug/kg	10900	--	500	A
Aroclor 1232	ND		ug/kg	10900	--	500	A
Aroclor 1242	ND		ug/kg	10900	--	500	A
Aroclor 1248	ND		ug/kg	7280	--	500	A
Aroclor 1254	160000		ug/kg	10900	--	500	B
Aroclor 1260	ND		ug/kg	7280	--	500	A
Aroclor 1262	ND		ug/kg	3640	--	500	A
Aroclor 1268	ND		ug/kg	3640	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-09 D
 Client ID: BO 8G (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 16:32
 Analyst: JT
 Percent Solids: 89%

Date Collected: 12/13/13 14:20
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	10700	--	500	A
Aroclor 1221	ND		ug/kg	10700	--	500	A
Aroclor 1232	ND		ug/kg	10700	--	500	A
Aroclor 1242	ND		ug/kg	10700	--	500	A
Aroclor 1248	ND		ug/kg	7110	--	500	A
Aroclor 1254	295000		ug/kg	10700	--	500	A
Aroclor 1260	ND		ug/kg	7110	--	500	A
Aroclor 1262	ND		ug/kg	3560	--	500	A
Aroclor 1268	ND		ug/kg	3560	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-10 D
 Client ID: BO 7G (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 16:45
 Analyst: JT
 Percent Solids: 90%

Date Collected: 12/13/13 14:45
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	1040	--	50	A
Aroclor 1221	ND		ug/kg	1040	--	50	A
Aroclor 1232	ND		ug/kg	1040	--	50	A
Aroclor 1242	ND		ug/kg	1040	--	50	A
Aroclor 1248	ND		ug/kg	696	--	50	A
Aroclor 1254	11300		ug/kg	1040	--	50	B
Aroclor 1260	ND		ug/kg	696	--	50	A
Aroclor 1262	ND		ug/kg	348	--	50	A
Aroclor 1268	ND		ug/kg	348	--	50	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-11 D
 Client ID: BO 8H (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/17/13 16:58
 Analyst: JT
 Percent Solids: 85%

Date Collected: 12/13/13 15:00
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	9010	--	400	A
Aroclor 1221	ND		ug/kg	9010	--	400	A
Aroclor 1232	ND		ug/kg	9010	--	400	A
Aroclor 1242	ND		ug/kg	9010	--	400	A
Aroclor 1248	ND		ug/kg	6010	--	400	A
Aroclor 1254	198000		ug/kg	9010	--	400	A
Aroclor 1260	ND		ug/kg	6010	--	400	A
Aroclor 1262	ND		ug/kg	3000	--	400	A
Aroclor 1268	ND		ug/kg	3000	--	400	A

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

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325398
Report Date: 12/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
 Analytical Date: 12/17/13 07:31
 Analyst: JT

Extraction Method: EPA 3540C
 Extraction Date: 12/14/13 09:38
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/16/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/16/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-11 Batch: WG659036-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.51	--	A
Aroclor 1268	ND		ug/kg	6.51	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	142		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325398
Report Date: 12/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-11 Batch: WG659036-2 WG659036-3									
Aroclor 1016	109		109		40-140	0		30	A
Aroclor 1260	115		117		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		90		30-150	A
Decachlorobiphenyl	89		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		84		30-150	B
Decachlorobiphenyl	148		115		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-01
 Client ID: BO 4.5E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 11:10
 Date Received: 12/13/13
 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	88.5		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-02
 Client ID: BO 5.5E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 11:35
 Date Received: 12/13/13
 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	92.6		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325398**Project Number:** 39744051.10003**Report Date:** 12/20/13**SAMPLE RESULTS**

Lab ID: L1325398-03
Client ID: BO 6.5E (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/13/13 12:00
Date Received: 12/13/13
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	92.9		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-04
 Client ID: BO 7.5E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 12:25
 Date Received: 12/13/13
 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	86.7		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-05
 Client ID: BO 8.5E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 12:45
 Date Received: 12/13/13
 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	88.1		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-06
 Client ID: BO 7.5F (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 13:45
 Date Received: 12/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-07
 Client ID: BO 8.5F (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 14:00
 Date Received: 12/13/13
 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	85.7		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-08

Date Collected: 12/13/13 14:05

Client ID: DUP-03

Date Received: 12/13/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-09
 Client ID: BO 8G (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 14:20
 Date Received: 12/13/13
 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	89.2		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-10
 Client ID: BO 7G (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 14:45
 Date Received: 12/13/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

SAMPLE RESULTS

Lab ID: L1325398-11
 Client ID: BO 8H (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 15:00
 Date Received: 12/13/13
 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	84.6		%	0.100	NA	1	-	12/18/13 00:30	30,2540G	AT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325398

Report Date: 12/20/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG659793-1 QC Sample: L1325398-02 Client ID: BO 5.5E (0-2)						
Solids, Total	92.6	92.0	%	1		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1325398

Project Number: 39744051.10003

Report Date: 12/20/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325398-01A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-02A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-02B	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7)
L1325398-02C	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7)
L1325398-03A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-04A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-05A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-06A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-07A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-08A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-09A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-10A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325398-11A	Amber 120ml unpreserved	A	N/A	2.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325398
Report Date: 12/20/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325398
Report Date: 12/20/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325398
Report Date: 12/20/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/13/13

ALPHA Job #: L1325398

Project Information

Project Name: Aerovox

Project Location: New Bedford, MA

Project #: 39744051

Project Manager: J. LeClair / M. Wade

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/20/13

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

Client Information

Client: URS Corp

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: 603-606-4800

Email: j.leclair@urs.com

Additional Project Information:

ANALYSIS	VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2
	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15
	EPH: <input type="checkbox"/> RCRAs <input type="checkbox"/> RCRAs <input type="checkbox"/> RCRAs
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint
SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	TOTAL # BOTTLES
		Date	Time			
25398-01	B0 4.5 E (0-2)	12/13/13	1110	Soil	JAC	
02	B0 5.5 E (0-2)		1135			
02-05	B0 5.5 E MS (0-2)		1135			
02-07	B0 5.5 E MS D (0-2)		1135			
03-05	B0 6.5 E (0-2)		1200			
04-06	B0 7.5 E (0-2)		1225			
05-07	B0 8.5 E (0-2)		1245			
06-08	B0 7.5 F (0-2)		1345			
07-09	B0 8.5 F (0-2)		1400			
08-10	DUP-03		1405			

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 ₂ SO ₄ E= NaOH F= MeOH G= NaHSO ₄ H= Na ₂ S ₂ O ₈ I= Ascorbic Acid J= NH ₄ Cl K= Zn Acetate O= Other
--	---

Container Type	A
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
<u>J. LeClair</u>	<u>12/13/13 1530</u>	<u>MCM</u>	<u>12/13/13 1530</u>
<u>MCM</u>	<u>12/13/13 1650</u>	<u>MCL</u>	<u>12/13/13 1650</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE _____ OF _____

Date Rec'd in Lab: 12/13/13

ALPHA Job #: L1325399

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerobor

Project Location: New Bedford MA

Project #: 39744051

Project Manager: J Leclair / M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS Corp

Address: 1155 Elm St, Suite 401
Manchester NH 03101

Phone: 603 606 - 4800

Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/26/13

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		SAMPLE INFO	
YOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS	Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	YPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
Sample Comments			

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials
		Date	Time		
<u>25398-11</u>	<u>B0 86 (0-2)</u>	<u>12/13/13</u>	<u>1420</u>	<u>Soil</u>	<u>JLR</u>
<u>1078</u>	<u>B0 76 (0-2)</u>	<u>↓</u>	<u>1445</u>	<u>↓</u>	<u>↓</u>
<u>1173</u>	<u>B0 84 (0-2)</u>	<u>↓</u>	<u>1500</u>	<u>↓</u>	<u>↓</u>

- 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= HNO₃
 - D= H₂SO₄
 - E= NaOH
 - F= MeOH
 - G= NaHSO₄
 - H= Na₂S₂O₃
 - I= Ascorbic Acid
 - J= NH₄Cl
 - K= Zn Acetate
 - O= Other

Container Type	A
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
<u>J Leclair</u>	<u>12/13/13 1530</u>	<u>M Wade</u>	<u>12/13/13 1530</u>
<u>M Wade</u>	<u>12/13/13 1650</u>	<u>M Wade</u>	<u>12/13/13 1650</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1325514
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/23/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325514-01	B10C (0-2)	NEW BEDFORD, MA	12/16/13 09:30
L1325514-02	B10C (3-5)	NEW BEDFORD, MA	12/16/13 09:31
L1325514-03	B10C (8-10)	NEW BEDFORD, MA	12/16/13 09:32
L1325514-04	B10C (11.5)	NEW BEDFORD, MA	12/16/13 09:33
L1325514-05	B10C (13-15)	NEW BEDFORD, MA	12/16/13 09:34
L1325514-06	B10C (18-20)	NEW BEDFORD, MA	12/16/13 09:35
L1325514-07	B10C (23-25)	NEW BEDFORD, MA	12/16/13 09:36
L1325514-08	TB-09	NEW BEDFORD, MA	12/16/13 00:00
L1325514-09	B10B (0-2)	NEW BEDFORD, MA	12/16/13 12:00
L1325514-10	B10B (3-5)	NEW BEDFORD, MA	12/16/13 12:01
L1325514-11	B10B (8-10)	NEW BEDFORD, MA	12/16/13 12:02
L1325514-12	B10B (13-15)	NEW BEDFORD, MA	12/16/13 12:03
L1325514-13	B10B (18-20)	NEW BEDFORD, MA	12/16/13 12:04
L1325514-14	B10B (23-25)	NEW BEDFORD, MA	12/16/13 12:05
L1325514-15	B10B (25.5)	NEW BEDFORD, MA	12/16/13 12:06
L1325514-16	B10B (28-30)	NEW BEDFORD, MA	12/16/13 12:08
L1325514-17	B10B (31-33)	NEW BEDFORD, MA	12/16/13 12:09
L1325514-18	DUP-04	NEW BEDFORD, MA	12/16/13 12:07
L1325514-19	B10A (0-2)	NEW BEDFORD, MA	12/16/13 15:10
L1325514-20	B10A (3-5)	NEW BEDFORD, MA	12/16/13 15:11
L1325514-21	B10A (8-10)	NEW BEDFORD, MA	12/16/13 15:12
L1325514-22	B10A (13-15)	NEW BEDFORD, MA	12/16/13 15:13
L1325514-23	B10A (17-18)	NEW BEDFORD, MA	12/16/13 15:14
L1325514-24	B10A (18-20)	NEW BEDFORD, MA	12/16/13 15:15
L1325514-25	B10A (23-25)	NEW BEDFORD, MA	12/16/13 15:17
L1325514-26	B10A (26-28)	NEW BEDFORD, MA	12/16/13 15:18
L1325514-27	B10A (23)	NEW BEDFORD, MA	12/16/13 15:16

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

L1325514-15 and -18 were analyzed as High Level Methanols in order to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analyses. The results of both analyses are reported.

In reference to question G:

L1325514-27: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1325514-04, -08, -15, -18, and -27, utilized a quadratic fit for chloroethane.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:

L1325514-01, -09, and -19: One or more of the target analytes did not achieve the requested CAM reporting limits.


In reference to question H:

The surrogate recoveries for L1325514-01, -09, and -19 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples.

Re-extraction was not required; therefore, the results of the original analyses 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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 12/23/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-04
Client ID: B10C (11.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/23/13 11:15
Analyst: PP
Percent Solids: 20%

Date Collected: 12/16/13 09:33
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	92	--	1
1,1-Dichloroethane	ND		ug/kg	14	--	1
Chloroform	ND		ug/kg	14	--	1
Carbon tetrachloride	ND		ug/kg	9.2	--	1
1,2-Dichloropropane	ND		ug/kg	32	--	1
Dibromochloromethane	ND		ug/kg	9.2	--	1
1,1,2-Trichloroethane	ND		ug/kg	14	--	1
Tetrachloroethene	ND		ug/kg	9.2	--	1
Chlorobenzene	ND		ug/kg	9.2	--	1
1,2-Dichloroethane	ND		ug/kg	9.2	--	1
1,1,1-Trichloroethane	ND		ug/kg	9.2	--	1
Bromodichloromethane	ND		ug/kg	9.2	--	1
trans-1,3-Dichloropropene	ND		ug/kg	9.2	--	1
cis-1,3-Dichloropropene	ND		ug/kg	9.2	--	1
Bromoform	ND		ug/kg	37	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	9.2	--	1
Chloromethane	ND		ug/kg	37	--	1
Vinyl chloride	ND		ug/kg	18	--	1
Chloroethane	ND		ug/kg	18	--	1
1,1-Dichloroethene	ND		ug/kg	9.2	--	1
trans-1,2-Dichloroethene	ND		ug/kg	14	--	1
Trichloroethene	ND		ug/kg	9.2	--	1
1,2-Dichlorobenzene	ND		ug/kg	37	--	1
1,3-Dichlorobenzene	ND		ug/kg	37	--	1
1,4-Dichlorobenzene	ND		ug/kg	37	--	1
cis-1,2-Dichloroethene	18		ug/kg	9.2	--	1
Dichlorodifluoromethane	ND		ug/kg	92	--	1
1,2-Dibromoethane	ND		ug/kg	37	--	1
1,3-Dichloropropane	ND		ug/kg	37	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	9.2	--	1
o-Chlorotoluene	ND		ug/kg	37	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-04

Date Collected: 12/16/13 09:33

Client ID: B10C (11.5)

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	37	--	1
Hexachlorobutadiene	ND		ug/kg	37	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	37	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-08
Client ID: TB-09
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/19/13 23:08
Analyst: PP
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/16/13 00:00
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-08

Date Collected: 12/16/13 00:00

Client ID: TB-09

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-08
Client ID: TB-09
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/20/13 00:34
Analyst: BN
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/16/13 00:00
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-08

Date Collected: 12/16/13 00:00

Client ID: TB-09

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-15
Client ID: B10B (25.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/21/13 18:23
Analyst: JC
Percent Solids: 85%

Date Collected: 12/16/13 12:06
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.96	--	1
Chloroform	ND		ug/kg	0.96	--	1
Carbon tetrachloride	ND		ug/kg	0.64	--	1
1,2-Dichloropropane	ND		ug/kg	2.2	--	1
Dibromochloromethane	ND		ug/kg	0.64	--	1
1,1,2-Trichloroethane	1.1		ug/kg	0.96	--	1
Tetrachloroethene	ND		ug/kg	0.64	--	1
Chlorobenzene	ND		ug/kg	0.64	--	1
1,2-Dichloroethane	ND		ug/kg	0.64	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	--	1
Bromodichloromethane	ND		ug/kg	0.64	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Vinyl chloride	ND		ug/kg	1.3	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.64	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.96	--	1
Trichloroethene	490	E	ug/kg	0.64	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	--	1
cis-1,2-Dichloroethene	28		ug/kg	0.64	--	1
Dichlorodifluoromethane	ND		ug/kg	6.4	--	1
1,2-Dibromoethane	ND		ug/kg	2.6	--	1
1,3-Dichloropropane	ND		ug/kg	2.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	--	1
o-Chlorotoluene	ND		ug/kg	2.6	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-15

Date Collected: 12/16/13 12:06

Client ID: B10B (25.5)

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	2.6		ug/kg	2.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-15
Client ID: B10B (25.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/23/13 15:59
Analyst: PP
Percent Solids: 85%

Date Collected: 12/16/13 12:06
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	680	--	1
1,1-Dichloroethane	ND		ug/kg	100	--	1
Chloroform	ND		ug/kg	100	--	1
Carbon tetrachloride	ND		ug/kg	68	--	1
1,2-Dichloropropane	ND		ug/kg	240	--	1
Dibromochloromethane	ND		ug/kg	68	--	1
1,1,2-Trichloroethane	ND		ug/kg	100	--	1
Tetrachloroethene	ND		ug/kg	68	--	1
Chlorobenzene	ND		ug/kg	68	--	1
1,2-Dichloroethane	ND		ug/kg	68	--	1
1,1,1-Trichloroethane	ND		ug/kg	68	--	1
Bromodichloromethane	ND		ug/kg	68	--	1
trans-1,3-Dichloropropene	ND		ug/kg	68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	68	--	1
Bromoform	ND		ug/kg	270	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	68	--	1
Chloromethane	ND		ug/kg	270	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	140	--	1
1,1-Dichloroethene	ND		ug/kg	68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	100	--	1
Trichloroethene	ND		ug/kg	68	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
cis-1,2-Dichloroethene	ND		ug/kg	68	--	1
Dichlorodifluoromethane	ND		ug/kg	680	--	1
1,2-Dibromoethane	ND		ug/kg	270	--	1
1,3-Dichloropropane	ND		ug/kg	270	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	68	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-15

Date Collected: 12/16/13 12:06

Client ID: B10B (25.5)

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	270	--	1
Hexachlorobutadiene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-18
Client ID: DUP-04
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/20/13 01:02
Analyst: BN
Percent Solids: 80%

Date Collected: 12/16/13 12:07
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	--	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	2.0		ug/kg	0.91	--	1
Tetrachloroethene	0.95		ug/kg	0.61	--	1
Chlorobenzene	ND		ug/kg	0.61	--	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
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Chloromethane	ND		ug/kg	2.4	--	1
Vinyl chloride	4.2		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	1500	E	ug/kg	0.61	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	--	1
cis-1,2-Dichloroethene	69		ug/kg	0.61	--	1
Dichlorodifluoromethane	ND		ug/kg	6.1	--	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
o-Chlorotoluene	ND		ug/kg	2.4	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-18

Date Collected: 12/16/13 12:07

Client ID: DUP-04

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
1,2,4-Trichlorobenzene	3.1		ug/kg	2.4	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-18
Client ID: DUP-04
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/23/13 16:27
Analyst: PP
Percent Solids: 80%

Date Collected: 12/16/13 12:07
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	750	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	75	--	1
1,2-Dichloropropane	ND		ug/kg	260	--	1
Dibromochloromethane	ND		ug/kg	75	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	75	--	1
Chlorobenzene	ND		ug/kg	75	--	1
1,2-Dichloroethane	ND		ug/kg	75	--	1
1,1,1-Trichloroethane	ND		ug/kg	75	--	1
Bromodichloromethane	ND		ug/kg	75	--	1
trans-1,3-Dichloropropene	ND		ug/kg	75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	75	--	1
Bromoform	ND		ug/kg	300	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	75	--	1
Chloromethane	ND		ug/kg	300	--	1
Vinyl chloride	ND		ug/kg	150	--	1
Chloroethane	ND		ug/kg	150	--	1
1,1-Dichloroethene	ND		ug/kg	75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	650		ug/kg	75	--	1
1,2-Dichlorobenzene	ND		ug/kg	300	--	1
1,3-Dichlorobenzene	ND		ug/kg	300	--	1
1,4-Dichlorobenzene	ND		ug/kg	300	--	1
cis-1,2-Dichloroethene	ND		ug/kg	75	--	1
Dichlorodifluoromethane	ND		ug/kg	750	--	1
1,2-Dibromoethane	ND		ug/kg	300	--	1
1,3-Dichloropropane	ND		ug/kg	300	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	75	--	1
o-Chlorotoluene	ND		ug/kg	300	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-18

Date Collected: 12/16/13 12:07

Client ID: DUP-04

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	300	--	1
Hexachlorobutadiene	ND		ug/kg	300	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-27
Client ID: B10A (23)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/19/13 23:37
Analyst: PP
Percent Solids: 88%

Date Collected: 12/16/13 15:16
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	460	--	1
1,1-Dichloroethane	ND		ug/kg	69	--	1
Chloroform	ND		ug/kg	69	--	1
Carbon tetrachloride	ND		ug/kg	46	--	1
1,2-Dichloropropane	ND		ug/kg	160	--	1
Dibromochloromethane	ND		ug/kg	46	--	1
1,1,2-Trichloroethane	ND		ug/kg	69	--	1
Tetrachloroethene	ND		ug/kg	46	--	1
Chlorobenzene	ND		ug/kg	46	--	1
1,2-Dichloroethane	ND		ug/kg	46	--	1
1,1,1-Trichloroethane	ND		ug/kg	46	--	1
Bromodichloromethane	ND		ug/kg	46	--	1
trans-1,3-Dichloropropene	ND		ug/kg	46	--	1
cis-1,3-Dichloropropene	ND		ug/kg	46	--	1
Bromoform	ND		ug/kg	180	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	46	--	1
Chloromethane	ND		ug/kg	180	--	1
Vinyl chloride	ND		ug/kg	92	--	1
Chloroethane	ND		ug/kg	92	--	1
1,1-Dichloroethene	ND		ug/kg	46	--	1
trans-1,2-Dichloroethene	ND		ug/kg	69	--	1
Trichloroethene	1800		ug/kg	46	--	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
cis-1,2-Dichloroethene	140		ug/kg	46	--	1
Dichlorodifluoromethane	ND		ug/kg	460	--	1
1,2-Dibromoethane	ND		ug/kg	180	--	1
1,3-Dichloropropane	ND		ug/kg	180	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	46	--	1
o-Chlorotoluene	ND		ug/kg	180	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-27

Date Collected: 12/16/13 15:16

Client ID: B10A (23)

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	180	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/19/13 20:47
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,27 Batch: WG660991-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 20:47
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,27 Batch: WG660991-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 20:47
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,27 Batch: WG660991-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 20:47
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,18 Batch: WG660992-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 20:47
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,18 Batch: WG660992-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/19/13 20:47
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,18 Batch: WG660992-3					
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	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/21/13 11:17
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 15 Batch: WG661047-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/21/13 11:17
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 15 Batch: WG661047-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/21/13 11:17
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 15 Batch: WG661047-3					
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	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/23/13 10:19
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG661063-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/23/13 10:19
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG661063-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
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Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 10:19
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG661063-3					
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	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 10:19
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 15,18 Batch: WG661104-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/23/13 10:19
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 15,18 Batch: WG661104-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 10:19
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 15,18 Batch: WG661104-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,27 Batch: WG660991-1 WG660991-2								
Methylene chloride	92		86		70-130	7		20
1,1-Dichloroethane	94		89		70-130	5		20
Chloroform	96		91		70-130	5		20
Carbon tetrachloride	95		90		70-130	5		20
1,2-Dichloropropane	96		91		70-130	5		20
Dibromochloromethane	92		89		70-130	3		20
1,1,2-Trichloroethane	91		88		70-130	3		20
Tetrachloroethene	91		88		70-130	3		20
Chlorobenzene	90		86		70-130	5		20
Trichlorofluoromethane	99		94		70-130	5		20
1,2-Dichloroethane	95		90		70-130	5		20
1,1,1-Trichloroethane	93		88		70-130	6		20
Bromodichloromethane	96		93		70-130	3		20
trans-1,3-Dichloropropene	91		87		70-130	4		20
cis-1,3-Dichloropropene	92		87		70-130	6		20
1,1-Dichloropropene	91		88		70-130	3		20
Bromoform	90		87		70-130	3		20
1,1,2,2-Tetrachloroethane	84		81		70-130	4		20
Benzene	86		81		70-130	6		20
Toluene	86		82		70-130	5		20
Ethylbenzene	85		81		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,27 Batch: WG660991-1 WG660991-2								
Chloromethane	94		88		70-130	7		20
Bromomethane	132	Q	120		70-130	10		20
Vinyl chloride	96		91		70-130	5		20
Chloroethane	81		77		70-130	5		20
1,1-Dichloroethene	91		86		70-130	6		20
trans-1,2-Dichloroethene	92		86		70-130	7		20
Trichloroethene	92		86		70-130	7		20
1,2-Dichlorobenzene	92		88		70-130	4		20
1,3-Dichlorobenzene	92		88		70-130	4		20
1,4-Dichlorobenzene	92		87		70-130	6		20
Methyl tert butyl ether	92		89		70-130	3		20
p/m-Xylene	85		81		70-130	5		20
o-Xylene	88		84		70-130	5		20
cis-1,2-Dichloroethene	92		87		70-130	6		20
Dibromomethane	96		91		70-130	5		20
1,2,3-Trichloropropane	83		81		70-130	2		20
Styrene	91		87		70-130	4		20
Dichlorodifluoromethane	98		92		70-130	6		20
Acetone	126		102		70-130	21	Q	20
Carbon disulfide	85		80		70-130	6		20
Methyl ethyl ketone	100		90		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,27 Batch: WG660991-1 WG660991-2								
Methyl isobutyl ketone	85		83		70-130	2		20
2-Hexanone	82		77		70-130	6		20
Bromochloromethane	101		97		70-130	4		20
Tetrahydrofuran	75		74		70-130	1		20
2,2-Dichloropropane	99		95		70-130	4		20
1,2-Dibromoethane	92		91		70-130	1		20
1,3-Dichloropropane	87		84		70-130	4		20
1,1,1,2-Tetrachloroethane	94		90		70-130	4		20
Bromobenzene	92		88		70-130	4		20
n-Butylbenzene	87		83		70-130	5		20
sec-Butylbenzene	87		82		70-130	6		20
tert-Butylbenzene	92		88		70-130	4		20
o-Chlorotoluene	94		86		70-130	9		20
p-Chlorotoluene	87		83		70-130	5		20
1,2-Dibromo-3-chloropropane	86		84		70-130	2		20
Hexachlorobutadiene	90		87		70-130	3		20
Isopropylbenzene	86		82		70-130	5		20
p-Isopropyltoluene	93		89		70-130	4		20
Naphthalene	86		88		70-130	2		20
n-Propylbenzene	86		82		70-130	5		20
1,2,3-Trichlorobenzene	90		89		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,27 Batch: WG660991-1 WG660991-2								
1,2,4-Trichlorobenzene	93		91		70-130	2		20
1,3,5-Trimethylbenzene	88		84		70-130	5		20
1,2,4-Trimethylbenzene	88		85		70-130	3		20
Diethyl ether	94		92		70-130	2		20
Diisopropyl Ether	84		81		70-130	4		20
Ethyl-Tert-Butyl-Ether	95		91		70-130	4		20
Tertiary-Amyl Methyl Ether	91		88		70-130	3		20
1,4-Dioxane	84		80		70-130	5		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,18 Batch: WG660992-1 WG660992-2								
Methylene chloride	92		86		70-130	7		20
1,1-Dichloroethane	94		89		70-130	5		20
Chloroform	96		91		70-130	5		20
Carbon tetrachloride	95		90		70-130	5		20
1,2-Dichloropropane	96		91		70-130	5		20
Dibromochloromethane	92		89		70-130	3		20
1,1,2-Trichloroethane	91		88		70-130	3		20
Tetrachloroethene	91		88		70-130	3		20
Chlorobenzene	90		86		70-130	5		20
Trichlorofluoromethane	99		94		70-130	5		20
1,2-Dichloroethane	95		90		70-130	5		20
1,1,1-Trichloroethane	93		88		70-130	6		20
Bromodichloromethane	96		93		70-130	3		20
trans-1,3-Dichloropropene	91		87		70-130	4		20
cis-1,3-Dichloropropene	92		87		70-130	6		20
1,1-Dichloropropene	91		88		70-130	3		20
Bromoform	90		87		70-130	3		20
1,1,2,2-Tetrachloroethane	84		81		70-130	4		20
Benzene	86		81		70-130	6		20
Toluene	86		82		70-130	5		20
Ethylbenzene	85		81		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,18 Batch: WG660992-1 WG660992-2								
Chloromethane	94		88		70-130	7		20
Bromomethane	132	Q	120		70-130	10		20
Vinyl chloride	96		91		70-130	5		20
Chloroethane	81		77		70-130	5		20
1,1-Dichloroethene	91		86		70-130	6		20
trans-1,2-Dichloroethene	92		86		70-130	7		20
Trichloroethene	92		86		70-130	7		20
1,2-Dichlorobenzene	92		88		70-130	4		20
1,3-Dichlorobenzene	92		88		70-130	4		20
1,4-Dichlorobenzene	92		87		70-130	6		20
Methyl tert butyl ether	92		89		70-130	3		20
p/m-Xylene	85		81		70-130	5		20
o-Xylene	88		84		70-130	5		20
cis-1,2-Dichloroethene	92		87		70-130	6		20
Dibromomethane	96		91		70-130	5		20
1,2,3-Trichloropropane	83		81		70-130	2		20
Styrene	91		87		70-130	4		20
Dichlorodifluoromethane	98		92		70-130	6		20
Acetone	126		102		70-130	21	Q	20
Carbon disulfide	85		80		70-130	6		20
Methyl ethyl ketone	100		90		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,18 Batch: WG660992-1 WG660992-2								
Methyl isobutyl ketone	85		83		70-130	2		20
2-Hexanone	82		77		70-130	6		20
Bromochloromethane	101		97		70-130	4		20
Tetrahydrofuran	75		74		70-130	1		20
2,2-Dichloropropane	99		95		70-130	4		20
1,2-Dibromoethane	92		91		70-130	1		20
1,3-Dichloropropane	87		84		70-130	4		20
1,1,1,2-Tetrachloroethane	94		90		70-130	4		20
Bromobenzene	92		88		70-130	4		20
n-Butylbenzene	87		83		70-130	5		20
sec-Butylbenzene	87		82		70-130	6		20
tert-Butylbenzene	92		88		70-130	4		20
o-Chlorotoluene	94		86		70-130	9		20
p-Chlorotoluene	87		83		70-130	5		20
1,2-Dibromo-3-chloropropane	86		84		70-130	2		20
Hexachlorobutadiene	90		87		70-130	3		20
Isopropylbenzene	86		82		70-130	5		20
p-Isopropyltoluene	93		89		70-130	4		20
Naphthalene	86		88		70-130	2		20
n-Propylbenzene	86		82		70-130	5		20
1,2,3-Trichlorobenzene	90		89		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,18 Batch: WG660992-1 WG660992-2								
1,2,4-Trichlorobenzene	93		91		70-130	2		20
1,3,5-Trimethylbenzene	88		84		70-130	5		20
1,2,4-Trimethylbenzene	88		85		70-130	3		20
Diethyl ether	94		92		70-130	2		20
Diisopropyl Ether	84		81		70-130	4		20
Ethyl-Tert-Butyl-Ether	95		91		70-130	4		20
Tertiary-Amyl Methyl Ether	91		88		70-130	3		20
1,4-Dioxane	84		80		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 15 Batch: WG661047-1 WG661047-2								
Methylene chloride	94		95		70-130	1		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	97		99		70-130	2		20
Carbon tetrachloride	96		99		70-130	3		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	93		95		70-130	2		20
1,1,2-Trichloroethane	92		95		70-130	3		20
Tetrachloroethene	95		97		70-130	2		20
Chlorobenzene	92		94		70-130	2		20
Trichlorofluoromethane	104		108		70-130	4		20
1,2-Dichloroethane	92		95		70-130	3		20
1,1,1-Trichloroethane	96		98		70-130	2		20
Bromodichloromethane	96		99		70-130	3		20
trans-1,3-Dichloropropene	93		94		70-130	1		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	98		99		70-130	1		20
Bromoform	91		95		70-130	4		20
1,1,2,2-Tetrachloroethane	86		88		70-130	2		20
Benzene	90		91		70-130	1		20
Toluene	89		90		70-130	1		20
Ethylbenzene	89		90		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 15 Batch: WG661047-1 WG661047-2								
Chloromethane	103		104		70-130	1		20
Bromomethane	137	Q	137	Q	70-130	0		20
Vinyl chloride	107		109		70-130	2		20
Chloroethane	89		92		70-130	3		20
1,1-Dichloroethene	100		100		70-130	0		20
trans-1,2-Dichloroethene	97		97		70-130	0		20
Trichloroethene	96		97		70-130	1		20
1,2-Dichlorobenzene	93		94		70-130	1		20
1,3-Dichlorobenzene	94		95		70-130	1		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	94		97		70-130	3		20
p/m-Xylene	88		89		70-130	1		20
o-Xylene	91		92		70-130	1		20
cis-1,2-Dichloroethene	95		98		70-130	3		20
Dibromomethane	96		99		70-130	3		20
1,2,3-Trichloropropane	83		86		70-130	4		20
Styrene	93		96		70-130	3		20
Dichlorodifluoromethane	110		113		70-130	3		20
Acetone	108		92		70-130	16		20
Carbon disulfide	98		100		70-130	2		20
Methyl ethyl ketone	98		91		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

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Project Number: 39744051.10003

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 15 Batch: WG661047-1 WG661047-2								
Methyl isobutyl ketone	89		90		70-130	1		20
2-Hexanone	78		79		70-130	1		20
Bromochloromethane	101		103		70-130	2		20
Tetrahydrofuran	75		77		70-130	3		20
2,2-Dichloropropane	104		106		70-130	2		20
1,2-Dibromoethane	95		97		70-130	2		20
1,3-Dichloropropane	89		92		70-130	3		20
1,1,1,2-Tetrachloroethane	94		95		70-130	1		20
Bromobenzene	94		95		70-130	1		20
n-Butylbenzene	92		92		70-130	0		20
sec-Butylbenzene	91		92		70-130	1		20
tert-Butylbenzene	95		96		70-130	1		20
o-Chlorotoluene	93		94		70-130	1		20
p-Chlorotoluene	90		92		70-130	2		20
1,2-Dibromo-3-chloropropane	88		95		70-130	8		20
Hexachlorobutadiene	97		98		70-130	1		20
Isopropylbenzene	90		91		70-130	1		20
p-Isopropyltoluene	96		98		70-130	2		20
Naphthalene	90		95		70-130	5		20
n-Propylbenzene	91		92		70-130	1		20
1,2,3-Trichlorobenzene	92		97		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 15 Batch: WG661047-1 WG661047-2								
1,2,4-Trichlorobenzene	96		100		70-130	4		20
1,3,5-Trimethylbenzene	91		92		70-130	1		20
1,2,4-Trimethylbenzene	92		93		70-130	1		20
Diethyl ether	98		101		70-130	3		20
Diisopropyl Ether	85		87		70-130	2		20
Ethyl-Tert-Butyl-Ether	97		99		70-130	2		20
Tertiary-Amyl Methyl Ether	95		98		70-130	3		20
1,4-Dioxane	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		98		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG661063-1 WG661063-2								
Methylene chloride	90		84		70-130	7		20
1,1-Dichloroethane	93		88		70-130	6		20
Chloroform	95		91		70-130	4		20
Carbon tetrachloride	97		91		70-130	6		20
1,2-Dichloropropane	96		92		70-130	4		20
Dibromochloromethane	95		89		70-130	7		20
1,1,2-Trichloroethane	90		86		70-130	5		20
Tetrachloroethene	90		84		70-130	7		20
Chlorobenzene	88		84		70-130	5		20
Trichlorofluoromethane	101		94		70-130	7		20
1,2-Dichloroethane	99		92		70-130	7		20
1,1,1-Trichloroethane	95		90		70-130	5		20
Bromodichloromethane	97		92		70-130	5		20
trans-1,3-Dichloropropene	90		86		70-130	5		20
cis-1,3-Dichloropropene	92		87		70-130	6		20
1,1-Dichloropropene	91		86		70-130	6		20
Bromoform	92		88		70-130	4		20
1,1,2,2-Tetrachloroethane	82		79		70-130	4		20
Benzene	84		79		70-130	6		20
Toluene	83		78		70-130	6		20
Ethylbenzene	83		79		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG661063-1 WG661063-2								
Chloromethane	101		96		70-130	5		20
Bromomethane	134	Q	122		70-130	9		20
Vinyl chloride	101		94		70-130	7		20
Chloroethane	81		76		70-130	6		20
1,1-Dichloroethene	91		86		70-130	6		20
trans-1,2-Dichloroethene	91		86		70-130	6		20
Trichloroethene	91		85		70-130	7		20
1,2-Dichlorobenzene	90		86		70-130	5		20
1,3-Dichlorobenzene	91		85		70-130	7		20
1,4-Dichlorobenzene	90		85		70-130	6		20
Methyl tert butyl ether	94		90		70-130	4		20
p/m-Xylene	83		78		70-130	6		20
o-Xylene	86		81		70-130	6		20
cis-1,2-Dichloroethene	90		86		70-130	5		20
Dibromomethane	96		92		70-130	4		20
1,2,3-Trichloropropane	80		78		70-130	3		20
Styrene	89		84		70-130	6		20
Dichlorodifluoromethane	101		94		70-130	7		20
Acetone	130		96		70-130	30	Q	20
Carbon disulfide	87		82		70-130	6		20
Methyl ethyl ketone	102		88		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG661063-1 WG661063-2								
Methyl isobutyl ketone	93		86		70-130	8		20
2-Hexanone	84		76		70-130	10		20
Bromochloromethane	104		97		70-130	7		20
Tetrahydrofuran	78		76		70-130	3		20
2,2-Dichloropropane	100		94		70-130	6		20
1,2-Dibromoethane	95		91		70-130	4		20
1,3-Dichloropropane	85		82		70-130	4		20
1,1,1,2-Tetrachloroethane	93		88		70-130	6		20
Bromobenzene	91		86		70-130	6		20
n-Butylbenzene	84		79		70-130	6		20
sec-Butylbenzene	83		78		70-130	6		20
tert-Butylbenzene	88		84		70-130	5		20
o-Chlorotoluene	84		82		70-130	2		20
p-Chlorotoluene	85		80		70-130	6		20
1,2-Dibromo-3-chloropropane	90		86		70-130	5		20
Hexachlorobutadiene	92		87		70-130	6		20
Isopropylbenzene	82		78		70-130	5		20
p-Isopropyltoluene	90		85		70-130	6		20
Naphthalene	91		88		70-130	3		20
n-Propylbenzene	83		78		70-130	6		20
1,2,3-Trichlorobenzene	93		91		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
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Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG661063-1 WG661063-2								
1,2,4-Trichlorobenzene	95		90		70-130	5		20
1,3,5-Trimethylbenzene	85		81		70-130	5		20
1,2,4-Trimethylbenzene	86		81		70-130	6		20
Diethyl ether	94		88		70-130	7		20
Diisopropyl Ether	86		82		70-130	5		20
Ethyl-Tert-Butyl-Ether	99		93		70-130	6		20
Tertiary-Amyl Methyl Ether	93		89		70-130	4		20
1,4-Dioxane	91		90		70-130	1		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 15,18 Batch: WG661104-1 WG661104-2								
Methylene chloride	90		84		70-130	7		20
1,1-Dichloroethane	93		88		70-130	6		20
Chloroform	95		91		70-130	4		20
Carbon tetrachloride	97		91		70-130	6		20
1,2-Dichloropropane	96		92		70-130	4		20
Dibromochloromethane	95		89		70-130	7		20
1,1,2-Trichloroethane	90		86		70-130	5		20
Tetrachloroethene	90		84		70-130	7		20
Chlorobenzene	88		84		70-130	5		20
Trichlorofluoromethane	101		94		70-130	7		20
1,2-Dichloroethane	99		92		70-130	7		20
1,1,1-Trichloroethane	95		90		70-130	5		20
Bromodichloromethane	97		92		70-130	5		20
trans-1,3-Dichloropropene	90		86		70-130	5		20
cis-1,3-Dichloropropene	92		87		70-130	6		20
1,1-Dichloropropene	91		86		70-130	6		20
Bromoform	92		88		70-130	4		20
1,1,2,2-Tetrachloroethane	82		79		70-130	4		20
Benzene	84		79		70-130	6		20
Toluene	83		78		70-130	6		20
Ethylbenzene	83		79		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 15,18 Batch: WG661104-1 WG661104-2								
Chloromethane	101		96		70-130	5		20
Bromomethane	134	Q	122		70-130	9		20
Vinyl chloride	101		94		70-130	7		20
Chloroethane	81		76		70-130	6		20
1,1-Dichloroethene	91		86		70-130	6		20
trans-1,2-Dichloroethene	91		86		70-130	6		20
Trichloroethene	91		85		70-130	7		20
1,2-Dichlorobenzene	90		86		70-130	5		20
1,3-Dichlorobenzene	91		85		70-130	7		20
1,4-Dichlorobenzene	90		85		70-130	6		20
Methyl tert butyl ether	94		90		70-130	4		20
p/m-Xylene	83		78		70-130	6		20
o-Xylene	86		81		70-130	6		20
cis-1,2-Dichloroethene	90		86		70-130	5		20
Dibromomethane	96		92		70-130	4		20
1,2,3-Trichloropropane	80		78		70-130	3		20
Styrene	89		84		70-130	6		20
Dichlorodifluoromethane	101		94		70-130	7		20
Acetone	130		96		70-130	30	Q	20
Carbon disulfide	87		82		70-130	6		20
Methyl ethyl ketone	102		88		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 15,18 Batch: WG661104-1 WG661104-2								
Methyl isobutyl ketone	93		86		70-130	8		20
2-Hexanone	84		76		70-130	10		20
Bromochloromethane	104		97		70-130	7		20
Tetrahydrofuran	78		76		70-130	3		20
2,2-Dichloropropane	100		94		70-130	6		20
1,2-Dibromoethane	95		91		70-130	4		20
1,3-Dichloropropane	85		82		70-130	4		20
1,1,1,2-Tetrachloroethane	93		88		70-130	6		20
Bromobenzene	91		86		70-130	6		20
n-Butylbenzene	84		79		70-130	6		20
sec-Butylbenzene	83		78		70-130	6		20
tert-Butylbenzene	88		84		70-130	5		20
o-Chlorotoluene	74		82		70-130	10		20
p-Chlorotoluene	85		80		70-130	6		20
1,2-Dibromo-3-chloropropane	90		86		70-130	5		20
Hexachlorobutadiene	92		87		70-130	6		20
Isopropylbenzene	82		78		70-130	5		20
p-Isopropyltoluene	90		85		70-130	6		20
Naphthalene	91		88		70-130	3		20
n-Propylbenzene	83		78		70-130	6		20
1,2,3-Trichlorobenzene	93		91		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 15,18 Batch: WG661104-1 WG661104-2								
1,2,4-Trichlorobenzene	95		90		70-130	5		20
1,3,5-Trimethylbenzene	85		81		70-130	5		20
1,2,4-Trimethylbenzene	86		81		70-130	6		20
Diethyl ether	94		88		70-130	7		20
Diisopropyl Ether	86		82		70-130	5		20
Ethyl-Tert-Butyl-Ether	99		93		70-130	6		20
Tertiary-Amyl Methyl Ether	93		89		70-130	4		20
1,4-Dioxane	91		90		70-130	1		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	105		103		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-01 D
 Client ID: B10C (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/22/13 00:59
 Analyst: JT
 Percent Solids: 91%

Date Collected: 12/16/13 09:30
 Date Received: 12/16/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/17/13 10:46
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/18/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21300	--	1000	A
Aroclor 1221	ND		ug/kg	21300	--	1000	A
Aroclor 1232	ND		ug/kg	21300	--	1000	A
Aroclor 1242	ND		ug/kg	21300	--	1000	A
Aroclor 1248	141000		ug/kg	14200	--	1000	B
Aroclor 1254	158000		ug/kg	21300	--	1000	A
Aroclor 1260	ND		ug/kg	14200	--	1000	A
Aroclor 1262	ND		ug/kg	7110	--	1000	A
Aroclor 1268	ND		ug/kg	7110	--	1000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-04
Client ID: B10C (11.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/19/13 17:26
Analyst: JT
Percent Solids: 20%

Date Collected: 12/16/13 09:33
Date Received: 12/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/17/13 10:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	98.6	--	1	A
Aroclor 1221	ND		ug/kg	98.6	--	1	A
Aroclor 1232	ND		ug/kg	98.6	--	1	A
Aroclor 1242	ND		ug/kg	98.6	--	1	A
Aroclor 1248	ND		ug/kg	65.7	--	1	A
Aroclor 1254	968		ug/kg	98.6	--	1	B
Aroclor 1260	ND		ug/kg	65.7	--	1	A
Aroclor 1262	ND		ug/kg	32.8	--	1	A
Aroclor 1268	ND		ug/kg	32.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-09 D
 Client ID: B10B (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/20/13 22:26
 Analyst: JT
 Percent Solids: 86%

Date Collected: 12/16/13 12:00
 Date Received: 12/16/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/17/13 10:46
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/18/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	11200	--	500	A
Aroclor 1221	ND		ug/kg	11200	--	500	A
Aroclor 1232	ND		ug/kg	11200	--	500	A
Aroclor 1242	ND		ug/kg	11200	--	500	A
Aroclor 1248	ND		ug/kg	7480	--	500	A
Aroclor 1254	288000		ug/kg	11200	--	500	B
Aroclor 1260	ND		ug/kg	7480	--	500	A
Aroclor 1262	ND		ug/kg	3740	--	500	A
Aroclor 1268	ND		ug/kg	3740	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-15
Client ID: B10B (25.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/19/13 17:52
Analyst: JT
Percent Solids: 85%

Date Collected: 12/16/13 12:06
Date Received: 12/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/17/13 10:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.3	--	1	A
Aroclor 1221	ND		ug/kg	23.3	--	1	A
Aroclor 1232	ND		ug/kg	23.3	--	1	A
Aroclor 1242	48.8		ug/kg	23.3	--	1	B
Aroclor 1248	ND		ug/kg	15.6	--	1	A
Aroclor 1254	51.1		ug/kg	23.3	--	1	B
Aroclor 1260	ND		ug/kg	15.6	--	1	A
Aroclor 1262	ND		ug/kg	7.78	--	1	A
Aroclor 1268	ND		ug/kg	7.78	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-18
Client ID: DUP-04
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/19/13 18:05
Analyst: JT
Percent Solids: 80%

Date Collected: 12/16/13 12:07
Date Received: 12/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/17/13 10:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	25.1	--	1	A
Aroclor 1221	ND		ug/kg	25.1	--	1	A
Aroclor 1232	ND		ug/kg	25.1	--	1	A
Aroclor 1242	30.1		ug/kg	25.1	--	1	B
Aroclor 1248	ND		ug/kg	16.7	--	1	A
Aroclor 1254	ND		ug/kg	25.1	--	1	A
Aroclor 1260	ND		ug/kg	16.7	--	1	A
Aroclor 1262	ND		ug/kg	8.35	--	1	A
Aroclor 1268	ND		ug/kg	8.35	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-19 D
 Client ID: B10A (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/20/13 22:39
 Analyst: JT
 Percent Solids: 92%

Date Collected: 12/16/13 15:10
 Date Received: 12/16/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/17/13 10:46
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/18/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	210	--	10	A
Aroclor 1221	ND		ug/kg	210	--	10	A
Aroclor 1232	ND		ug/kg	210	--	10	A
Aroclor 1242	ND		ug/kg	210	--	10	A
Aroclor 1248	4040		ug/kg	140	--	10	B
Aroclor 1254	4140		ug/kg	210	--	10	B
Aroclor 1260	ND		ug/kg	140	--	10	A
Aroclor 1262	ND		ug/kg	69.8	--	10	A
Aroclor 1268	ND		ug/kg	69.8	--	10	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-23
Client ID: B10A (17-18)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/19/13 18:32
Analyst: JT
Percent Solids: 86%

Date Collected: 12/16/13 15:14
Date Received: 12/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/17/13 10:46
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.5	--	1	A
Aroclor 1221	ND		ug/kg	22.5	--	1	A
Aroclor 1232	ND		ug/kg	22.5	--	1	A
Aroclor 1242	61.5		ug/kg	22.5	--	1	A
Aroclor 1248	ND		ug/kg	15.0	--	1	A
Aroclor 1254	ND		ug/kg	22.5	--	1	A
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.50	--	1	A
Aroclor 1268	ND		ug/kg	7.50	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	134		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325514**Project Number:** 39744051.10003**Report Date:** 12/23/13**SAMPLE RESULTS**

Lab ID: L1325514-27
Client ID: B10A (23)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/22/13 18:15
Analyst: TQ
Percent Solids: 88%

Date Collected: 12/16/13 15:16
Date Received: 12/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/20/13 14:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/22/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.4	--	1	A
Aroclor 1221	ND		ug/kg	22.4	--	1	A
Aroclor 1232	ND		ug/kg	22.4	--	1	A
Aroclor 1242	45.4		ug/kg	22.4	--	1	B
Aroclor 1248	ND		ug/kg	14.9	--	1	A
Aroclor 1254	ND		ug/kg	22.4	--	1	A
Aroclor 1260	ND		ug/kg	14.9	--	1	A
Aroclor 1262	ND		ug/kg	7.47	--	1	A
Aroclor 1268	ND		ug/kg	7.47	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/19/13 18:58
 Analyst: JT

Extraction Method: EPA 3540C
 Extraction Date: 12/17/13 10:46
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/18/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,04,09,15,18-19,23 Batch: WG659594-1						
Aroclor 1016	ND		ug/kg	19.7	--	A
Aroclor 1221	ND		ug/kg	19.7	--	A
Aroclor 1232	ND		ug/kg	19.7	--	A
Aroclor 1242	ND		ug/kg	19.7	--	A
Aroclor 1248	ND		ug/kg	13.1	--	A
Aroclor 1254	ND		ug/kg	19.7	--	A
Aroclor 1260	ND		ug/kg	13.1	--	A
Aroclor 1262	ND		ug/kg	6.57	--	A
Aroclor 1268	ND		ug/kg	6.57	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	136		30-150	B



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/22/13 19:21
 Analyst: TQ

Extraction Method: EPA 3540C
 Extraction Date: 12/20/13 14:37
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/22/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 27 Batch: WG660519-1						
Aroclor 1016	ND		ug/kg	19.8	--	A
Aroclor 1221	ND		ug/kg	19.8	--	A
Aroclor 1232	ND		ug/kg	19.8	--	A
Aroclor 1242	ND		ug/kg	19.8	--	A
Aroclor 1248	ND		ug/kg	13.2	--	A
Aroclor 1254	ND		ug/kg	19.8	--	A
Aroclor 1260	ND		ug/kg	13.2	--	A
Aroclor 1262	ND		ug/kg	6.60	--	A
Aroclor 1268	ND		ug/kg	6.60	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	114		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,04,09,15,18-19,23 Batch: WG659594-2 WG659594-3									
Aroclor 1016	92		101		40-140	9		30	A
Aroclor 1260	95		101		40-140	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		93		30-150	A
Decachlorobiphenyl	91		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		87		30-150	B
Decachlorobiphenyl	107		118		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 27 Batch: WG660519-2 WG660519-3									
Aroclor 1016	77		78		40-140	1		30	A
Aroclor 1260	74		78		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		66		30-150	A
Decachlorobiphenyl	75		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		61		30-150	B
Decachlorobiphenyl	101		79		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

SAMPLE RESULTS

Lab ID: L1325514-01
Client ID: B10C (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 09:30
Date Received: 12/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	12/18/13 21:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

SAMPLE RESULTS

Lab ID: L1325514-04
Client ID: B10C (11.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 09:33
Date Received: 12/16/13
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	20.2		%	0.100	NA	1	-	12/18/13 21:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

SAMPLE RESULTS

Lab ID: L1325514-09
Client ID: B10B (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 12:00
Date Received: 12/16/13
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	86.4		%	0.100	NA	1	-	12/18/13 21:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

SAMPLE RESULTS

Lab ID: L1325514-15
Client ID: B10B (25.5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 12:06
Date Received: 12/16/13
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	84.5		%	0.100	NA	1	-	12/18/13 21:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

SAMPLE RESULTS

Lab ID: L1325514-18
Client ID: DUP-04
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 12:07
Date Received: 12/16/13
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	79.7		%	0.100	NA	1	-	12/18/13 21:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

SAMPLE RESULTS

Lab ID: L1325514-19
Client ID: B10A (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 15:10
Date Received: 12/16/13
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	91.9		%	0.100	NA	1	-	12/18/13 21:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

SAMPLE RESULTS

Lab ID: L1325514-23
Client ID: B10A (17-18)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 15:14
Date Received: 12/16/13
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	85.5		%	0.100	NA	1	-	12/18/13 21:52	30,2540G	RT



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

SAMPLE RESULTS

Lab ID: L1325514-27
Client ID: B10A (23)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 15:16
Date Received: 12/16/13
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	88.0		%	0.100	NA	1	-	12/18/13 21:52	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325514

Report Date: 12/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04,09,15,18-19,23,27 QC Batch ID: WG660115-1 QC Sample: L1324909-02 Client ID: DUP Sample						
Solids, Total	81.7	80.5	%	1		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1325514

Project Number: 39744051.10003

Report Date: 12/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/16/2013 20:59

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325514-01A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325514-02A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-03A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-04A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	MCP-8260HLW-10(14)
L1325514-04B	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260HLW-10(14)
L1325514-04C	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260HLW-10(14)
L1325514-04D	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325514-05A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-06A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-07A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-08A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325514-08B	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325514-08C	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325514-09A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325514-10A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-11A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-12A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-13A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-14A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-15A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325514-15B	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325514-15C	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325514

Report Date: 12/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325514-15D	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325514-16A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-17A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-18A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325514-18B	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325514-18C	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325514-18D	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325514-19A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325514-20A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-21A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-22A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-23A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	-
L1325514-23D	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325514-24A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-25A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-26A	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	HOLD()
L1325514-27A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	MCP-8260HLW-10(14)
L1325514-27B	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260HLW-10(14)
L1325514-27C	Vial water preserved	A	N/A	3.0	Y	Absent	MCP-8260HLW-10(14)
L1325514-27D	Amber 120ml unpreserved	A	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325514
Report Date: 12/23/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 3

8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
 320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Project Information

Project Name: Aerovox Beeprobe
 Project Location: New Bedford, MA
 Project #: 39744051.10003
 Project Manager: J. Leclair/M. Wade
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
 Date Due: 12/23/13

Date Rec'd In Lab: 12/10/13 ALPHA Job #: L1325514

Report Information - Data Deliverables

ADEX EMAIL 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

Client Information

Client: URS
 Address: 1155 Elm St, Suite 401 Manchester, NH 03101
 Phone: (603) 606-4800
 Email: Judith.leclair@urs.com

Additional Project Information:

ANALYSIS		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	SYOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	YPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
<u>Total Solids (from PCB)</u>			
		Sample Comments	TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials
		Date	Time		
25514-01	B10C (0-2)	12-16-13	0930	S	JKH
02	B10C (3-5)		0931	S	JKH
03	B10C (8-10)		0932	S	JKH
04	B10C (11-5)		0933	S	JKH
05	B10C (13-15)		0934	S	JKH
06	B10C (18-20)		0935	S	JKH
07	B10C (23-25)		0936	S	JKH
08	TB-09			TB	
09	B10B (0-2)		1200	S	JKH
10	B10B (3-5)		1201	S	JKH

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₈
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type V
 Preservative O

Relinquished By: [Signature] Date/Time: 12/10/13 1530
 Received By: [Signature] Date/Time: 12/10/13 1645

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

8 Walkup Drive Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/10/13 ALPHA Job #: L1325514

Client Information

Client: **URS**

Address: **1155 Elm St, Suite 401
Manchester, NH 03101**

Phone: **(603) 606-4800**

Email: **judith.leclair@urs.com**

Additional Project Information:

Project Information

Project Name: **Aerovox Geoprobe**

Project Location: **New Bedford, MA**

Project #: **39744057.10003**

Project Manager: **J. LeClair/m. Wade**

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: **12/23/13**

Report Information - Data Deliverables

ADEX EMAIL

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

Cvoc: 8260 624 524.2

SVOC: ABN PAH

METALS: MCP 13 MCP 14 RCP 15

METALS: RCRA5 RCRA8 PPI3

EPH: Ranges & Targets Ranges Only

VPH: Ranges & Targets Ranges Only

PCB: PEST

TPH: Quant Only Fingerprint

Total Solids (from AB)

SAMPLE INFO

Filtration

Field Lab to do

Preservation

Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATION	TOTAL # BOTTLES
		Date	Time					
25514-11	B10B(8-10)	12.16.13	1202	S	JKH			HOLD 1
12	B10B(13-15)		1203	S	JKH			HOLD 1
13	B10B(18-20)		1204	S	JKH			HOLD 1
14	B10B(23-25)		1205	S	JKH			HOLD 1
15	B10B(25.5)		1206	S	JKH	3	X	CVOC 4
16	B10B(28-30)		1208	S	JKH			HOLD 1
17	B10B(31-33)		1209	S	JKH			HOLD 1
18	DUP-04		1207	S	JKH	3	X	CVOC 4
19	B10A(0-2)		1510	S	JKH			
20	B10A(3-5)		1511	S	JKH			HOLD 1

Container Type	Preservative	Container Type	V	G
P = Plastic	A = None	Preservative	O	A
A = Amber glass	B = HCl			
V = Vial	C = HNO ₃			
G = Glass	D = H ₂ SO ₄			
B = Bacteria cup	E = NaOH			
C = Cube	F = MeOH			
O = Other	G = NaHSO ₄			
E = Encore	H = Na ₂ S ₂ O ₃			
D = BOD Bottle	I = Ascorbic Acid			
	J = NH ₄ Cl			
	K = Zn Acetate			
	O = Other			

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	12/10/13 1530	<i>[Signature]</i>	12/10/13 1530
<i>[Signature]</i>	12/10/13 1640	<i>[Signature]</i>	12/10/13 1640
<i>[Signature]</i>	12/10/13 1700	<i>[Signature]</i>	12/10/13 1700

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 12/16/13

ALPHA Job #: U132514

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information
Client: URS
Address: 1155 Elm St, Suite 401
Manchester NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Project Information
Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744057.10003
Project Manager: J. Leclair / M. Wade
ALPHA Quote #:

Report Information - Data Deliverables
 ADEX EMAIL 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

Additional Project Information:

mg 12-19-13 per JL/ESimmons PCB only -23

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
Date Due: 12/23/13

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2
	<input type="checkbox"/> ABN <input type="checkbox"/> PAH
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> MCP 15
	<input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP13
	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint
	<u>Total Solids (from PCB)</u>
	SAMPLE INFO
	Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do
	Preservation <input type="checkbox"/> Lab to do
	Sample Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES						
		Date	Time			SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Fingerprint	Other									
25514-21	B10A(8-10)	12.16.13	1512	S	JXH																	HOLD	1
22	B10A(13-15)		1513	S	JXH																	HOLD	1
23	B10A(17-18)		1514	S	JXH										X							possible NAPL CVOC	4
24	B10A(18-20)		1515	S	JXH																	HOLD	1
25	B10A(23-25)		1517	S	JXH																	HOLD	1
26	B10A(26-28)		1518	S	JXH																	HOLD	1
27	B10A(23)		1516	S	JXH										X							CVOC	4

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
E= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O8
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	V								6
Preservative	O								A

Relinquished By: <u>[Signature]</u>	Date/Time <u>12/16/13 1530 WSW</u>	Received By: <u>[Signature]</u>	Date/Time <u>12/14/13 1130</u>
<u>[Signature]</u>	<u>12/16/13 1530 TTH</u>	<u>[Signature]</u>	<u>12/16/13 1640</u>
<u>[Signature]</u>	<u>12/16/13 1700 willi mca</u>	<u>[Signature]</u>	<u>12/16/13 1700</u>

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FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1325606
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/24/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325606-01	B01A (6-8)	NEW BEDFORD,MA	12/17/13 10:01
L1325606-02	B01A (8-10)	NEW BEDFORD,MA	12/17/13 10:02
L1325606-03	B01A (13-15)	NEW BEDFORD,MA	12/17/13 10:03
L1325606-04	B01A (18-20)	NEW BEDFORD,MA	12/17/13 10:04
L1325606-05	B01A (20-22)	NEW BEDFORD,MA	12/17/13 10:05
L1325606-06	TB-10	NEW BEDFORD,MA	12/17/13 00:00
L1325606-07	B01B (6.5-8)	NEW BEDFORD,MA	12/17/13 11:15
L1325606-08	B01B (8-10)	NEW BEDFORD,MA	12/17/13 11:16
L1325606-09	B01B (13-15)	NEW BEDFORD,MA	12/17/13 11:17
L1325606-10	B01B (15.5-17.5)	NEW BEDFORD,MA	12/17/13 11:18
L1325606-11	B01C (9-11)	NEW BEDFORD,MA	12/17/13 13:30
L1325606-12	B02C (6.5-8)	NEW BEDFORD,MA	12/17/13 14:10
L1325606-13	B02C (8-10)	NEW BEDFORD,MA	12/17/13 14:11
L1325606-14	B02C (12.5-14.5)	NEW BEDFORD,MA	12/17/13 14:12

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

The samples were evaluated for the presence of cyclohexane, ethyl-methacrylate, halothane, methyl cyclohexane, p-diethylbenzene, 1,2,4,5-tetramethylbenzene, 1,4-dichloro-2-butene, and 4-ethyltoluene as TICs and were determined to be non-detect.

L1325606-09 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The results of both analyses are reported.

In reference to question H:

The continuing calibration standard, associated with L1325606-02, -06, and -09, is outside the acceptance criteria for chloroethane; however, it was within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:

L1325606-02: 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:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 12/24/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-02
Client ID: B01A (8-10)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/21/13 06:11
Analyst: PP
Percent Solids: 87%

Date Collected: 12/17/13 10:02
Date Received: 12/17/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	--	1
1,1-Dichloroethane	ND		ug/kg	2.1	--	1
Chloroform	ND		ug/kg	2.1	--	1
Carbon tetrachloride	ND		ug/kg	1.4	--	1
1,2-Dichloropropane	ND		ug/kg	4.9	--	1
Dibromochloromethane	ND		ug/kg	1.4	--	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	--	1
Tetrachloroethene	ND		ug/kg	1.4	--	1
Chlorobenzene	ND		ug/kg	1.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.4	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	--	1
Bromodichloromethane	ND		ug/kg	1.4	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
Bromoform	ND		ug/kg	5.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	--	1
Chloromethane	ND		ug/kg	5.6	--	1
Vinyl chloride	ND		ug/kg	2.8	--	1
Chloroethane	ND		ug/kg	2.8	--	1
1,1-Dichloroethene	ND		ug/kg	1.4	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	--	1
Trichloroethene	15		ug/kg	1.4	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	--	1
cis-1,2-Dichloroethene	12		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	5.6	--	1
1,3-Dichloropropane	ND		ug/kg	5.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	5.6	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-02
 Client ID: B01A (8-10)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/17/13 10:02
 Date Received: 12/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	5.6	--	1
Hexachlorobutadiene	ND		ug/kg	5.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-06
 Client ID: TB-10
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/21/13 01:55
 Analyst: PP
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/17/13 00:00
 Date Received: 12/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-06
 Client ID: TB-10
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/17/13 00:00
 Date Received: 12/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

SAMPLE RESULTS

Lab ID: L1325606-09
 Client ID: B01B (13-15)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/21/13 02:24
 Analyst: PP
 Percent Solids: 92%

Date Collected: 12/17/13 11:17
 Date Received: 12/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	--	1
1,1-Dichloroethane	ND		ug/kg	1.9	--	1
Chloroform	3.9		ug/kg	1.9	--	1
Carbon tetrachloride	ND		ug/kg	1.3	--	1
1,2-Dichloropropane	ND		ug/kg	4.4	--	1
Dibromochloromethane	ND		ug/kg	1.3	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	--	1
Tetrachloroethene	ND		ug/kg	1.3	--	1
Chlorobenzene	ND		ug/kg	1.3	--	1
1,2-Dichloroethane	ND		ug/kg	1.3	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	--	1
Bromodichloromethane	ND		ug/kg	1.3	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	--	1
Bromoform	ND		ug/kg	5.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	--	1
Chloromethane	ND		ug/kg	5.1	--	1
Vinyl chloride	ND		ug/kg	2.5	--	1
Chloroethane	ND		ug/kg	2.5	--	1
1,1-Dichloroethene	ND		ug/kg	1.3	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	--	1
Trichloroethene	280	E	ug/kg	1.3	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	--	1
cis-1,2-Dichloroethene	82		ug/kg	1.3	--	1
Dichlorodifluoromethane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	5.1	--	1
1,3-Dichloropropane	ND		ug/kg	5.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	5.1	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-09
 Client ID: B01B (13-15)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/17/13 11:17
 Date Received: 12/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	5.1	--	1
Hexachlorobutadiene	ND		ug/kg	5.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-09
Client ID: B01B (13-15)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/23/13 13:08
Analyst: PP
Percent Solids: 92%

Date Collected: 12/17/13 11:17
Date Received: 12/17/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	720	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	72	--	1
1,2-Dichloropropane	ND		ug/kg	250	--	1
Dibromochloromethane	ND		ug/kg	72	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	72	--	1
Chlorobenzene	ND		ug/kg	72	--	1
1,2-Dichloroethane	ND		ug/kg	72	--	1
1,1,1-Trichloroethane	ND		ug/kg	72	--	1
Bromodichloromethane	ND		ug/kg	72	--	1
trans-1,3-Dichloropropene	ND		ug/kg	72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	72	--	1
Bromoform	ND		ug/kg	290	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	72	--	1
Chloromethane	ND		ug/kg	290	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	140	--	1
1,1-Dichloroethene	ND		ug/kg	72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	660		ug/kg	72	--	1
1,2-Dichlorobenzene	ND		ug/kg	290	--	1
1,3-Dichlorobenzene	ND		ug/kg	290	--	1
1,4-Dichlorobenzene	ND		ug/kg	290	--	1
cis-1,2-Dichloroethene	160		ug/kg	72	--	1
Dichlorodifluoromethane	ND		ug/kg	720	--	1
1,2-Dibromoethane	ND		ug/kg	290	--	1
1,3-Dichloropropane	ND		ug/kg	290	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	72	--	1
o-Chlorotoluene	ND		ug/kg	290	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-09
 Client ID: B01B (13-15)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/17/13 11:17
 Date Received: 12/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	290	--	1
Hexachlorobutadiene	ND		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	290	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/20/13 21:11
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,06,09 Batch: WG661021-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/20/13 21:11
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,06,09 Batch: WG661021-3					
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	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/20/13 21:11
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,06,09 Batch: WG661021-3					
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	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 10:19
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 09 Batch: WG661082-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/23/13 10:19
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 09 Batch: WG661082-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 10:19
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 09 Batch: WG661082-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,06,09 Batch: WG661021-1 WG661021-2								
Methylene chloride	92		92		70-130	0		20
1,1-Dichloroethane	90		90		70-130	0		20
Chloroform	92		91		70-130	1		20
Carbon tetrachloride	89		90		70-130	1		20
1,2-Dichloropropane	93		94		70-130	1		20
Dibromochloromethane	91		91		70-130	0		20
1,1,2-Trichloroethane	92		92		70-130	0		20
Tetrachloroethene	89		88		70-130	1		20
Chlorobenzene	88		88		70-130	0		20
Trichlorofluoromethane	92		93		70-130	1		20
1,2-Dichloroethane	90		89		70-130	1		20
1,1,1-Trichloroethane	89		89		70-130	0		20
Bromodichloromethane	93		93		70-130	0		20
trans-1,3-Dichloropropene	90		90		70-130	0		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
1,1-Dichloropropene	91		91		70-130	0		20
Bromoform	92		93		70-130	1		20
1,1,2,2-Tetrachloroethane	87		87		70-130	0		20
Benzene	85		85		70-130	0		20
Toluene	85		84		70-130	1		20
Ethylbenzene	85		84		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,06,09 Batch: WG661021-1 WG661021-2								
Chloromethane	86		86		70-130	0		20
Bromomethane	127		126		70-130	1		20
Vinyl chloride	92		92		70-130	0		20
Chloroethane	79		79		70-130	0		20
1,1-Dichloroethene	91		92		70-130	1		20
trans-1,2-Dichloroethene	91		90		70-130	1		20
Trichloroethene	90		90		70-130	0		20
1,2-Dichlorobenzene	89		90		70-130	1		20
1,3-Dichlorobenzene	89		90		70-130	1		20
1,4-Dichlorobenzene	89		89		70-130	0		20
Methyl tert butyl ether	93		93		70-130	0		20
p/m-Xylene	84		83		70-130	1		20
o-Xylene	86		86		70-130	0		20
cis-1,2-Dichloroethene	91		90		70-130	1		20
Dibromomethane	95		94		70-130	1		20
1,2,3-Trichloropropane	84		85		70-130	1		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	92		92		70-130	0		20
Acetone	133	Q	106		70-130	23	Q	20
Carbon disulfide	86		87		70-130	1		20
Methyl ethyl ketone	105		94		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,06,09 Batch: WG661021-1 WG661021-2								
Methyl isobutyl ketone	90		89		70-130	1		20
2-Hexanone	87		81		70-130	7		20
Bromochloromethane	98		97		70-130	1		20
Tetrahydrofuran	78		75		70-130	4		20
2,2-Dichloropropane	97		96		70-130	1		20
1,2-Dibromoethane	96		94		70-130	2		20
1,3-Dichloropropane	88		88		70-130	0		20
1,1,1,2-Tetrachloroethane	90		90		70-130	0		20
Bromobenzene	90		91		70-130	1		20
n-Butylbenzene	86		86		70-130	0		20
sec-Butylbenzene	85		85		70-130	0		20
tert-Butylbenzene	89		90		70-130	1		20
o-Chlorotoluene	88		88		70-130	0		20
p-Chlorotoluene	86		87		70-130	1		20
1,2-Dibromo-3-chloropropane	90		93		70-130	3		20
Hexachlorobutadiene	90		91		70-130	1		20
Isopropylbenzene	85		86		70-130	1		20
p-Isopropyltoluene	91		92		70-130	1		20
Naphthalene	89		93		70-130	4		20
n-Propylbenzene	86		86		70-130	0		20
1,2,3-Trichlorobenzene	90		92		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,06,09 Batch: WG661021-1 WG661021-2								
1,2,4-Trichlorobenzene	92		94		70-130	2		20
1,3,5-Trimethylbenzene	86		86		70-130	0		20
1,2,4-Trimethylbenzene	87		87		70-130	0		20
Diethyl ether	96		93		70-130	3		20
Diisopropyl Ether	81		82		70-130	1		20
Ethyl-Tert-Butyl-Ether	93		93		70-130	0		20
Tertiary-Amyl Methyl Ether	92		93		70-130	1		20
1,4-Dioxane	95		92		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG661082-1 WG661082-2								
Methylene chloride	90		84		70-130	7		20
1,1-Dichloroethane	93		88		70-130	6		20
Chloroform	95		91		70-130	4		20
Carbon tetrachloride	97		91		70-130	6		20
1,2-Dichloropropane	96		92		70-130	4		20
Dibromochloromethane	95		89		70-130	7		20
1,1,2-Trichloroethane	90		86		70-130	5		20
Tetrachloroethene	90		84		70-130	7		20
Chlorobenzene	88		84		70-130	5		20
Trichlorofluoromethane	101		94		70-130	7		20
1,2-Dichloroethane	99		92		70-130	7		20
1,1,1-Trichloroethane	95		90		70-130	5		20
Bromodichloromethane	97		92		70-130	5		20
trans-1,3-Dichloropropene	90		86		70-130	5		20
cis-1,3-Dichloropropene	92		87		70-130	6		20
1,1-Dichloropropene	91		86		70-130	6		20
Bromoform	92		88		70-130	4		20
1,1,2,2-Tetrachloroethane	82		79		70-130	4		20
Benzene	84		79		70-130	6		20
Toluene	83		78		70-130	6		20
Ethylbenzene	83		79		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG661082-1 WG661082-2								
Chloromethane	101		96		70-130	5		20
Bromomethane	134	Q	122		70-130	9		20
Vinyl chloride	101		94		70-130	7		20
Chloroethane	81		76		70-130	6		20
1,1-Dichloroethene	91		86		70-130	6		20
trans-1,2-Dichloroethene	91		86		70-130	6		20
Trichloroethene	91		85		70-130	7		20
1,2-Dichlorobenzene	90		86		70-130	5		20
1,3-Dichlorobenzene	91		85		70-130	7		20
1,4-Dichlorobenzene	90		85		70-130	6		20
Methyl tert butyl ether	94		90		70-130	4		20
p/m-Xylene	83		78		70-130	6		20
o-Xylene	86		81		70-130	6		20
cis-1,2-Dichloroethene	90		86		70-130	5		20
Dibromomethane	96		92		70-130	4		20
1,2,3-Trichloropropane	80		78		70-130	3		20
Styrene	89		84		70-130	6		20
Dichlorodifluoromethane	101		94		70-130	7		20
Acetone	130		96		70-130	30	Q	20
Carbon disulfide	87		82		70-130	6		20
Methyl ethyl ketone	102		88		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG661082-1 WG661082-2								
Methyl isobutyl ketone	93		86		70-130	8		20
2-Hexanone	84		76		70-130	10		20
Bromochloromethane	104		97		70-130	7		20
Tetrahydrofuran	78		76		70-130	3		20
2,2-Dichloropropane	100		94		70-130	6		20
1,2-Dibromoethane	95		91		70-130	4		20
1,3-Dichloropropane	85		82		70-130	4		20
1,1,1,2-Tetrachloroethane	93		88		70-130	6		20
Bromobenzene	91		86		70-130	6		20
n-Butylbenzene	84		79		70-130	6		20
sec-Butylbenzene	83		78		70-130	6		20
tert-Butylbenzene	88		84		70-130	5		20
o-Chlorotoluene	84		82		70-130	2		20
p-Chlorotoluene	85		80		70-130	6		20
1,2-Dibromo-3-chloropropane	90		86		70-130	5		20
Hexachlorobutadiene	92		87		70-130	6		20
Isopropylbenzene	82		78		70-130	5		20
p-Isopropyltoluene	90		85		70-130	6		20
Naphthalene	91		88		70-130	3		20
n-Propylbenzene	83		78		70-130	6		20
1,2,3-Trichlorobenzene	93		91		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG661082-1 WG661082-2								
1,2,4-Trichlorobenzene	95		90		70-130	5		20
1,3,5-Trimethylbenzene	85		81		70-130	5		20
1,2,4-Trimethylbenzene	86		81		70-130	6		20
Diethyl ether	94		88		70-130	7		20
Diisopropyl Ether	86		82		70-130	5		20
Ethyl-Tert-Butyl-Ether	99		93		70-130	6		20
Tertiary-Amyl Methyl Ether	93		89		70-130	4		20
1,4-Dioxane	91		90		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	105		103		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-01 D
Client ID: B01A (6-8)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/22/13 23:42
Analyst: TQ
Percent Solids: 94%

Date Collected: 12/17/13 10:01
Date Received: 12/17/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/18/13 12:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.7	--	2	A
Aroclor 1221	ND		ug/kg	41.7	--	2	A
Aroclor 1232	ND		ug/kg	41.7	--	2	A
Aroclor 1242	702		ug/kg	41.7	--	2	A
Aroclor 1248	ND		ug/kg	27.8	--	2	A
Aroclor 1254	383		ug/kg	41.7	--	2	A
Aroclor 1260	ND		ug/kg	27.8	--	2	A
Aroclor 1262	ND		ug/kg	13.9	--	2	A
Aroclor 1268	ND		ug/kg	13.9	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	114		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-02 D
 Client ID: B01A (8-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/22/13 23:55
 Analyst: TQ
 Percent Solids: 87%

Date Collected: 12/17/13 10:02
 Date Received: 12/17/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/18/13 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/19/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	112	--	5	A
Aroclor 1221	ND		ug/kg	112	--	5	A
Aroclor 1232	ND		ug/kg	112	--	5	A
Aroclor 1242	ND		ug/kg	112	--	5	A
Aroclor 1248	3250		ug/kg	75.0	--	5	A
Aroclor 1254	1440		ug/kg	112	--	5	A
Aroclor 1260	101		ug/kg	75.0	--	5	A
Aroclor 1262	ND		ug/kg	37.5	--	5	A
Aroclor 1268	ND		ug/kg	37.5	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	127		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-07
Client ID: B01B (6.5-8)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/20/13 20:10
Analyst: TQ
Percent Solids: 91%

Date Collected: 12/17/13 11:15
Date Received: 12/17/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/18/13 12:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.2	--	1	A
Aroclor 1221	ND		ug/kg	21.2	--	1	A
Aroclor 1232	ND		ug/kg	21.2	--	1	A
Aroclor 1242	ND		ug/kg	21.2	--	1	A
Aroclor 1248	ND		ug/kg	14.1	--	1	A
Aroclor 1254	ND		ug/kg	21.2	--	1	A
Aroclor 1260	ND		ug/kg	14.1	--	1	A
Aroclor 1262	ND		ug/kg	7.05	--	1	A
Aroclor 1268	ND		ug/kg	7.05	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	133		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-09
Client ID: B01B (13-15)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/20/13 20:23
Analyst: TQ
Percent Solids: 92%

Date Collected: 12/17/13 11:17
Date Received: 12/17/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/18/13 12:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.6	--	1	A
Aroclor 1221	ND		ug/kg	20.6	--	1	A
Aroclor 1232	ND		ug/kg	20.6	--	1	A
Aroclor 1242	ND		ug/kg	20.6	--	1	A
Aroclor 1248	ND		ug/kg	13.7	--	1	A
Aroclor 1254	ND		ug/kg	20.6	--	1	A
Aroclor 1260	ND		ug/kg	13.7	--	1	A
Aroclor 1262	ND		ug/kg	6.87	--	1	A
Aroclor 1268	ND		ug/kg	6.87	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-11
Client ID: B01C (9-11)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/20/13 20:37
Analyst: TQ
Percent Solids: 91%

Date Collected: 12/17/13 13:30
Date Received: 12/17/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/18/13 12:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.2	--	1	A
Aroclor 1221	ND		ug/kg	21.2	--	1	A
Aroclor 1232	ND		ug/kg	21.2	--	1	A
Aroclor 1242	ND		ug/kg	21.2	--	1	A
Aroclor 1248	ND		ug/kg	14.2	--	1	A
Aroclor 1254	27.6		ug/kg	21.2	--	1	B
Aroclor 1260	ND		ug/kg	14.2	--	1	A
Aroclor 1262	ND		ug/kg	7.08	--	1	A
Aroclor 1268	ND		ug/kg	7.08	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	130		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-12
Client ID: B02C (6.5-8)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/20/13 20:50
Analyst: TQ
Percent Solids: 84%

Date Collected: 12/17/13 14:10
Date Received: 12/17/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/18/13 12:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/19/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.7	--	1	A
Aroclor 1221	ND		ug/kg	22.7	--	1	A
Aroclor 1232	ND		ug/kg	22.7	--	1	A
Aroclor 1242	ND		ug/kg	22.7	--	1	A
Aroclor 1248	ND		ug/kg	15.1	--	1	A
Aroclor 1254	ND		ug/kg	22.7	--	1	A
Aroclor 1260	ND		ug/kg	15.1	--	1	A
Aroclor 1262	ND		ug/kg	7.57	--	1	A
Aroclor 1268	ND		ug/kg	7.57	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	146		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/20/13 21:03
 Analyst: TQ

Extraction Method: EPA 3540C
 Extraction Date: 12/18/13 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/19/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02,07,09,11-12 Batch: WG659965-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.51	--	A
Aroclor 1268	ND		ug/kg	6.51	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	76		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-02,07,09,11-12 Batch: WG659965-2 WG659965-3									
Aroclor 1016	84		88		40-140	5		30	A
Aroclor 1260	89		90		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		96		30-150	A
Decachlorobiphenyl	100		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		92		30-150	B
Decachlorobiphenyl	137		135		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

SAMPLE RESULTS

Lab ID: L1325606-01
 Client ID: B01A (6-8)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/17/13 10:01
 Date Received: 12/17/13
 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	94.3		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

SAMPLE RESULTS

Lab ID: L1325606-02
 Client ID: B01A (8-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/17/13 10:02
 Date Received: 12/17/13
 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	87.2		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-07
Client ID: B01B (6.5-8)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/17/13 11:15
Date Received: 12/17/13
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	91.1		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325606**Project Number:** 39744051.10003**Report Date:** 12/24/13**SAMPLE RESULTS**

Lab ID: L1325606-09
Client ID: B01B (13-15)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/17/13 11:17
Date Received: 12/17/13
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	91.6		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

SAMPLE RESULTS

Lab ID: L1325606-11
 Client ID: B01C (9-11)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/17/13 13:30
 Date Received: 12/17/13
 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	91.3		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

SAMPLE RESULTS

Lab ID: L1325606-12
 Client ID: B02C (6.5-8)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/17/13 14:10
 Date Received: 12/17/13
 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	84.0		%	0.100	NA	1	-	12/18/13 23:03	30,2540G	RT



Lab Duplicate Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325606

Report Date: 12/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,07,09,11-12 QC Batch ID: WG660123-1 QC Sample: L1324962-10 Client ID: DUP Sample						
Solids, Total	19.6	22.8	%	15		20



Project Name: AEROVOX GEOPROBE

Lab Number: L1325606

Project Number: 39744051.10003

Report Date: 12/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/17/2013 18:42

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325606-01A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325606-02A	Vial MeOH preserved	A	N/A	3.7	Y	Absent	MCP-8260HLW-10(14)
L1325606-02B	Vial water preserved	A	N/A	3.7	Y	Absent	MCP-8260HLW-10(14)
L1325606-02C	Vial water preserved	A	N/A	3.7	Y	Absent	MCP-8260HLW-10(14)
L1325606-02D	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325606-03A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	HOLD()
L1325606-04A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	HOLD()
L1325606-05A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	HOLD()
L1325606-06A	Vial MeOH preserved	A	N/A	3.7	Y	Absent	MCP-8260HLW-10(14)
L1325606-06B	Vial water preserved	A	N/A	3.7	Y	Absent	MCP-8260HLW-10(14)
L1325606-06C	Vial water preserved	A	N/A	3.7	Y	Absent	MCP-8260HLW-10(14)
L1325606-07A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325606-08A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	HOLD()
L1325606-09A	Vial MeOH preserved	A	N/A	3.7	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325606-09B	Vial water preserved	A	N/A	3.7	Y	Absent	MCP-8260HLW-10(14)
L1325606-09C	Vial water preserved	A	N/A	3.7	Y	Absent	MCP-8260HLW-10(14)
L1325606-09D	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325606-10A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	HOLD()
L1325606-11A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325606-12A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325606-13A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	HOLD()
L1325606-14A	Amber 120ml unpreserved	A	N/A	3.7	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325606
Report Date: 12/24/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 12/17/13

ALPHA Job #: 1325606

Project Information

Project Name: *Aerovox Geoprobe*

Project Location: *New Bedford, MA*

Project #: *39744051.10003*

Project Manager: *J. Leclair/M. Wade*

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: *12/24/13*

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: *URS*

Address: *1155 Elm St, Suite 401
Manchester, NH 03101*

Phone: *(603) 606-4800*

Email: *judith.leclair@urs.com*

Additional Project Information:

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: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	SAMPLE INFO		
	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH			
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> MCP 15			
	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> RCRA13			
	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only			
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only			
	PCB <input type="checkbox"/> PEST			
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint			
	Total Solids (from PCB)			
	Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do			
Preservation <input type="checkbox"/> Lab to do				
Sample Comments				

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										SAMPLE INFO		Sample Comments	TOTAL # BOTTLES					
		Date	Time			VOC: <input checked="" type="checkbox"/> 8260	VOC: <input type="checkbox"/> 624	VOC: <input type="checkbox"/> 5242	METALS: <input type="checkbox"/> ABN	METALS: <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13	METALS: <input type="checkbox"/> MCP 14	METALS: <input type="checkbox"/> MCP 15	EPH: <input type="checkbox"/> RCRA5	EPH: <input type="checkbox"/> RCRA8	EPH: <input type="checkbox"/> RCRA13	VPH: <input type="checkbox"/> Ranges & Targets			VPH: <input type="checkbox"/> Ranges Only	PCB	PEST	TPH: <input type="checkbox"/> Quant Only	TPH: <input type="checkbox"/> Fingerprint
<i>25606</i>	<i>B01A (6-8)</i>	<i>12/17/13</i>	<i>1001</i>	<i>S</i>	<i>JRH</i>																			
	<i>B01A (8-10)</i>		<i>1002</i>	<i>S</i>	<i>JRH</i>	<i>3</i>																		<i>CVOC</i>
	<i>B01A (13-15)</i>		<i>1003</i>	<i>S</i>	<i>JRH</i>																			<i>HOLD</i>
	<i>B01A (18-20)</i>		<i>1004</i>	<i>S</i>	<i>JRH</i>																			<i>HOLD</i>
	<i>B01A (20-22)</i>		<i>1005</i>	<i>S</i>	<i>JRH</i>																			<i>HOLD</i>
	<i>TB-10</i>			<i>TB</i>		<i>3</i>																		<i>CVOC</i>
	<i>B01B (6.5-8)</i>		<i>1115</i>	<i>S</i>	<i>JRH</i>																			
	<i>B01B (8-10)</i>		<i>1116</i>	<i>S</i>	<i>JRH</i>																			<i>HOLD</i>
	<i>B01B (13-15)</i>		<i>1117</i>	<i>S</i>	<i>JRH</i>	<i>3</i>																		<i>CVOC</i>
	<i>B01B (15.5-17.5)</i>		<i>1118</i>	<i>S</i>	<i>JRH</i>																			<i>HOLD</i>

- 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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O8
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	<i>V</i>																				<i>G</i>
Preservative	<i>O</i>																				<i>A</i>

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Jeffrey McLaughlin</i>	<i>12/17/13 1500</i>	<i>J. Leclair</i>	<i>12/17/13 1500</i>
<i>J. Leclair</i>	<i>12/17/13 1700</i>	<i>J. Leclair</i>	<i>12/17/13 1700</i>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE **2** OF _____

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: **Aerovox Geoprobe**

Project Location: **New Bedford, MA**

Project #: **39744057-10003**

Project Manager: **J. LeClair / M. Wade**

ALPHA Quote #:

Client Information

Client: **URS**

Address: **1155 Elm St, Suite 401**
Manchester, NH 03101

Phone: **(603) 606-4800**

Email: **judith.leclair@urs.com**

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: **12/24/13**

Additional Project Information:

Date Rec'd in Lab: **12/17/13**

ALPHA Job #: **61325606**

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		SAMPLE INFO	TOTAL # BOTTLES
YOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH		
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS	Filtration	
EPH: <input type="checkbox"/> Ranges & Targets	EPH: <input type="checkbox"/> Ranges & Targets	<input type="checkbox"/> Field	
VPH: <input type="checkbox"/> Ranges & Targets	VPH: <input type="checkbox"/> Ranges & Targets	<input type="checkbox"/> Lab to do	
<input checked="" type="checkbox"/> PCB	<input type="checkbox"/> PEST	Preservation	
TPH: <input type="checkbox"/> Quant Only	<input type="checkbox"/> Fingerprint	<input type="checkbox"/> Lab to do	
		Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials
		Date	Time		
25606	11 B01C (9-11)	12.17.13	1330	S	JKH
	12 B02C (6.5-8)	↓	1410	S	JKH
	13 B02C (8-10)	↓	1411	S	JKH
	14 B02C (12.5-14.5)	↓	1412	S	JKH

- | | |
|-----------------------|--|
| Container Type | Preservative |
| P= Plastic | A= None |
| A= Amber glass | B= HCl |
| V= Vial | C= HNO ₃ |
| G= Glass | D= H ₂ SO ₄ |
| B= Bacteria cup | E= NaOH |
| C= Cube | F= MeOH |
| O= Other | G= NaHSO ₄ |
| E= Encore | H= Na ₂ S ₂ O ₃ |
| D= BOD Bottle | I= Ascorbic Acid |
| | J= NH ₄ Cl |
| | K= Zn Acetate |
| | O= Other |

Container Type: **G**

Preservative: **A**

Relinquished By: [Signature]	Date/Time: 12/17/13 1500	Received By: [Signature]	Date/Time: 12/17/13 1500
[Signature]	12/17/13 1702	[Signature]	12/17/13 1702

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325606

Instrument ID: Voal00.i Calibration Date: 20-DEC-2013 Time: 19:17

Lab File ID: 1220N01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.18832	.17379	.1	-8	20	
chloromethane	100	86.113	.1	-14	20	
vinyl chloride	100	91.529	.1	-8	20	
bromomethane	100	127	.1	27	20	F
chloroethane	100	78.798	.1	-21	20	F
trichlorofluoromethane	.33683	.30921	.1	-8	20	
ethyl ether	.1212	.11585	.05	-4	20	
1,1,-dichloroethene	.22262	.20161	.1	-9	20	
carbon disulfide	100	86.131	.1	-14	20	
methylene chloride	100	92.085	.1	-8	20	
acetone	100	133	.1	33	20	F
trans-1,2-dichloroethene	.26173	.23715	.1	-9	20	
methyl tert butyl ether	.60479	.5612	.1	-7	20	
Diisopropyl Ether	1.0458	.84864	.05	-19	20	
1,1-dichloroethane	.5436	.49048	.2	-10	20	
Ethyl-Tert-Butyl-Ether	.911	.84729	.05	-7	20	
cis-1,2-dichloroethene	.27799	.25232	.1	-9	20	
2,2-dichloropropane	.35171	.34043	.05	-3	20	
bromochloromethane	.12984	.12674	.05	-2	20	
chloroform	.44702	.41226	.2	-8	20	
carbontetrachloride	.34389	.30468	.1	-11	20	
tetrahydrofuran	.09245	.07191	.05	-22	20	F
1,1,1-trichloroethane	.39751	.35218	.1	-11	20	
2-butanone	.14186	.14948	.1	5	20	
1,1-dichloropropene	.32911	.30017	.05	-9	20	
benzene	1.0319	.87826	.5	-15	20	
Tertiary-Amyl Methyl Ether	.61291	.56655	.05	-8	20	
1,2-dichloroethane	.36498	.32678	.1	-10	20	
trichloroethene	.25885	.23206	.2	-10	20	
dibromomethane	.14599	.1388	.05	-5	20	
1,2-dichloropropane	.2993	.27762	.1	-7	20	
bromodichloromethane	.33589	.31166	.2	-7	20	
1,4-dioxane	.00246	.00234	.05	-5	20	F
cis-1,3-dichloropropene	.38482	.35012	.2	-9	20	
toluene	.88345	.75121	.4	-15	20	
4-methyl-2-pentanone	.11106	.10025	.1	-10	20	
tetrachloroethene	.38403	.34168	.2	-11	20	
trans-1,3-dichloropropene	.49088	.44217	.1	-10	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325606

Instrument ID: Voal00.i Calibration Date: 20-DEC-2013 Time: 19:17

Lab File ID: 1220N01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.21985	.1	-8	20
chlorodibromomethane	.37052	.33584	.1	-9	20
1,3-dichloropropane	.5037	.44375	.05	-12	20
1,2-dibromoethane	.29224	.27899	.1	-5	20
2-hexanone	.2592	.22618	.1	-13	20
chlorobenzene	.99049	.87443	.5	-12	20
ethyl benzene	1.6824	1.4315	.1	-15	20
1,1,1,2-tetrachloroethane	.35511	.32038	.05	-10	20
p/m xylene	.67162	.56113	.1	-16	20
o xylene	.61821	.53391	.3	-14	20
styrene	1.0041	.90805	.3	-10	20
bromoform	.44959	.41188	.1	-8	20
isopropylbenzene	3.0990	2.6273	.1	-15	20
bromobenzene	.77202	.6948	.05	-10	20
n-propylbenzene	3.5073	2.9989	.05	-14	20
1,1,2,2,-tetrachloroethane	.77486	.67717	.3	-13	20
2-chlorotoluene	2.3619	2.0890	.05	-12	20
1,3,5-trimethylbenzene	2.6433	2.2721	.05	-14	20
1,2,3-trichloropropane	.63167	.53217	.05	-16	20
4-chlorotoluene	2.2438	1.9381	.05	-14	20
tert-butylbenzene	2.2528	2.0016	.05	-11	20
1,2,4-trimethylbenzene	2.5422	2.2151	.05	-13	20
sec-butylbenzene	3.4471	2.9284	.05	-15	20
p-isopropyltoluene	2.8589	2.6112	.05	-9	20
1,3-dichlorobenzene	1.5833	1.4148	.6	-11	20
1,4-dichlorobenzene	1.5941	1.4202	.5	-11	20
n-butylbenzene	2.6718	2.3010	.05	-14	20
1,2-dichlorobenzene	1.4725	1.3136	.4	-11	20
1,2-dibromo-3-chloropropane	100	90.368	.05	-10	20
hexachlorobutadiene	.50157	.44883	.05	-11	20
1,2,4-trichlorobenzene	.95266	.87523	.2	-8	20
naphthalene	2.2469	2.0030	.05	-11	20
1,2,3-trichlorobenzene	.88277	.79317	.05	-10	20
dibromofluoromethane	.25768	.2585	.05	0	30
1,2-dichloroethane-d4	.28696	.27833	.05	-3	30
toluene-d8	1.2970	1.2579	.05	-3	30
4-bromofluorobenzene	.89072	.90418	.05	2	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1325705
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/26/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325705-01	TB-11	NEW BEDFORD,MA	12/17/13 00:00
L1325705-02	B02B (9-11)	NEW BEDFORD,MA	12/17/13 15:45
L1325705-03	B02B (13-15)	NEW BEDFORD,MA	12/17/13 15:46
L1325705-04	B02B (18-20)	NEW BEDFORD,MA	12/17/13 15:47
L1325705-05	B02B (23-25)	NEW BEDFORD,MA	12/17/13 15:48
L1325705-06	B02B (25-27)	NEW BEDFORD,MA	12/17/13 15:49
L1325705-07	B02A (4-6)	NEW BEDFORD,MA	12/18/13 09:10
L1325705-08	B02A (8-10)	NEW BEDFORD,MA	12/18/13 09:11
L1325705-09	B02A (13-15)	NEW BEDFORD,MA	12/18/13 09:12
L1325705-10	B02A (18-20)	NEW BEDFORD,MA	12/18/13 09:13
L1325705-11	B02A (20.5-22.5)	NEW BEDFORD,MA	12/18/13 09:14
L1325705-12	B03A (4-6)	NEW BEDFORD,MA	12/18/13 10:25
L1325705-13	B03A (8-10)	NEW BEDFORD,MA	12/18/13 10:26
L1325705-14	B03A (10.5-12.5)	NEW BEDFORD,MA	12/18/13 10:27
L1325705-15	B03B (7-10)	NEW BEDFORD,MA	12/18/13 12:25
L1325705-16	B03B (10.5)	NEW BEDFORD,MA	12/18/13 12:26
L1325705-17	B03B (11-13)	NEW BEDFORD,MA	12/18/13 12:27
L1325705-18	B07.5BC (0-2)	NEW BEDFORD,MA	12/18/13 15:00
L1325705-19	B07.5BC (3-5)	NEW BEDFORD,MA	12/18/13 15:01
L1325705-20	B07.5BC (8-10)	NEW BEDFORD,MA	12/18/13 15:02
L1325705-21	B07.5BC (13-15)	NEW BEDFORD,MA	12/18/13 15:03
L1325705-22	B07.5BC (17-19)	NEW BEDFORD,MA	12/18/13 15:04

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question H:

The initial calibration, associated with L1325705-01, -04, -07 Low, -07 High, -12 and -16, did not meet the method required minimum response factor on the lowest calibration standard for 1,4-dioxane (0.00214) as well as the average response factor for 1,4-dioxane. In addition, a quadratic fit was utilized for chloroethane.

The continuing calibration standards, associated with L1325705-01, -04, -07 Low, -07 High, -12 and -16, 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.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

L1325705-07 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

PCBs

In reference to question G:

L1325705-02, -07, -15 and -18: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1325705-02, -07, -15 and -18 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses 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:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 12/26/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-01
Client ID: TB-11
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/23/13 14:34
Analyst: PP
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/17/13 00:00
Date Received: 12/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-01

Date Collected: 12/17/13 00:00

Client ID: TB-11

Date Received: 12/18/13

Sample Location: NEW BEDFORD,MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	111		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-04
Client ID: B02B (18-20)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/23/13 17:51
Analyst: PP
Percent Solids: 86%

Date Collected: 12/17/13 15:47
Date Received: 12/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	--	1
1,1-Dichloroethane	ND		ug/kg	2.1	--	1
Chloroform	ND		ug/kg	2.1	--	1
Carbon tetrachloride	ND		ug/kg	1.4	--	1
1,2-Dichloropropane	ND		ug/kg	5.0	--	1
Dibromochloromethane	ND		ug/kg	1.4	--	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	--	1
Tetrachloroethene	ND		ug/kg	1.4	--	1
Chlorobenzene	ND		ug/kg	1.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.4	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	--	1
Bromodichloromethane	ND		ug/kg	1.4	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
Bromoform	ND		ug/kg	5.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	--	1
Chloromethane	ND		ug/kg	5.6	--	1
Vinyl chloride	ND		ug/kg	2.8	--	1
Chloroethane	ND		ug/kg	2.8	--	1
1,1-Dichloroethene	ND		ug/kg	1.4	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	--	1
Trichloroethene	77		ug/kg	1.4	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	--	1
cis-1,2-Dichloroethene	5.7		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	5.6	--	1
1,3-Dichloropropane	ND		ug/kg	5.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	5.6	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-04
 Client ID: B02B (18-20)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/17/13 15:47
 Date Received: 12/18/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	5.6	--	1
Hexachlorobutadiene	ND		ug/kg	5.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	114		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-07
Client ID: B02A (4-6)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/23/13 21:37
Analyst: PP
Percent Solids: 89%

Date Collected: 12/18/13 09:10
Date Received: 12/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.7	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.9	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
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
Bromoform	ND		ug/kg	4.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.5	--	1
Vinyl chloride	6.5		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	32		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	--	1
cis-1,2-Dichloroethene	490	E	ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	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
o-Chlorotoluene	ND		ug/kg	4.5	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-07
 Client ID: B02A (4-6)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/18/13 09:10
 Date Received: 12/18/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.5	--	1
Hexachlorobutadiene	ND		ug/kg	4.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-07
Client ID: B02A (4-6)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/24/13 19:14
Analyst: BN
Percent Solids: 89%

Date Collected: 12/18/13 09:10
Date Received: 12/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	780	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	120	--	1
Carbon tetrachloride	ND		ug/kg	78	--	1
1,2-Dichloropropane	ND		ug/kg	270	--	1
Dibromochloromethane	ND		ug/kg	78	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	78	--	1
Chlorobenzene	ND		ug/kg	78	--	1
1,2-Dichloroethane	ND		ug/kg	78	--	1
1,1,1-Trichloroethane	ND		ug/kg	78	--	1
Bromodichloromethane	ND		ug/kg	78	--	1
trans-1,3-Dichloropropene	ND		ug/kg	78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	78	--	1
Bromoform	ND		ug/kg	310	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	78	--	1
Chloromethane	ND		ug/kg	310	--	1
Vinyl chloride	ND		ug/kg	160	--	1
Chloroethane	ND		ug/kg	160	--	1
1,1-Dichloroethene	ND		ug/kg	78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1
Trichloroethene	170		ug/kg	78	--	1
1,2-Dichlorobenzene	ND		ug/kg	310	--	1
1,3-Dichlorobenzene	ND		ug/kg	310	--	1
1,4-Dichlorobenzene	ND		ug/kg	310	--	1
cis-1,2-Dichloroethene	1500		ug/kg	78	--	1
Dichlorodifluoromethane	ND		ug/kg	780	--	1
1,2-Dibromoethane	ND		ug/kg	310	--	1
1,3-Dichloropropane	ND		ug/kg	310	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	78	--	1
o-Chlorotoluene	ND		ug/kg	310	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-07
 Client ID: B02A (4-6)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/18/13 09:10
 Date Received: 12/18/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	310	--	1
Hexachlorobutadiene	ND		ug/kg	310	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-12
Client ID: B03A (4-6)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/23/13 22:05
Analyst: PP
Percent Solids: 86%

Date Collected: 12/18/13 10:25
Date Received: 12/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.3	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.88	--	1
1,2-Dichloropropane	ND		ug/kg	3.1	--	1
Dibromochloromethane	ND		ug/kg	0.88	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	--	1
Tetrachloroethene	ND		ug/kg	0.88	--	1
Chlorobenzene	ND		ug/kg	0.88	--	1
1,2-Dichloroethane	ND		ug/kg	0.88	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	--	1
Bromodichloromethane	ND		ug/kg	0.88	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	--	1
Bromoform	ND		ug/kg	3.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	--	1
Chloromethane	ND		ug/kg	3.5	--	1
Vinyl chloride	2.2		ug/kg	1.8	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.88	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1
Trichloroethene	120		ug/kg	0.88	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.5	--	1
cis-1,2-Dichloroethene	78		ug/kg	0.88	--	1
Dichlorodifluoromethane	ND		ug/kg	8.8	--	1
1,2-Dibromoethane	ND		ug/kg	3.5	--	1
1,3-Dichloropropane	ND		ug/kg	3.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	--	1
o-Chlorotoluene	ND		ug/kg	3.5	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-12
 Client ID: B03A (4-6)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/18/13 10:25
 Date Received: 12/18/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	3.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-16
Client ID: B03B (10.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/26/13 09:22
Analyst: BN
Percent Solids: 90%

Date Collected: 12/18/13 12:26
Date Received: 12/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	--	1
1,1-Dichloroethane	ND		ug/kg	2.0	--	1
Chloroform	ND		ug/kg	2.0	--	1
Carbon tetrachloride	ND		ug/kg	1.4	--	1
1,2-Dichloropropane	ND		ug/kg	4.8	--	1
Dibromochloromethane	ND		ug/kg	1.4	--	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	--	1
Tetrachloroethene	ND		ug/kg	1.4	--	1
Chlorobenzene	ND		ug/kg	1.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.4	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	--	1
Bromodichloromethane	ND		ug/kg	1.4	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
Bromoform	ND		ug/kg	5.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	--	1
Chloromethane	ND		ug/kg	5.4	--	1
Vinyl chloride	4.3		ug/kg	2.7	--	1
Chloroethane	ND		ug/kg	2.7	--	1
1,1-Dichloroethene	ND		ug/kg	1.4	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	--	1
Trichloroethene	200		ug/kg	1.4	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	49		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	5.4	--	1
1,3-Dichloropropane	ND		ug/kg	5.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	5.4	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-16
 Client ID: B03B (10.5)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/18/13 12:26
 Date Received: 12/18/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	5.4	--	1
Hexachlorobutadiene	ND		ug/kg	5.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 10:19
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04 Batch: WG661063-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 10:19
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04 Batch: WG661063-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 10:19
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04 Batch: WG661063-3					
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	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 21:09
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,12 Batch: WG661388-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/23/13 21:09
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,12 Batch: WG661388-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/23/13 21:09
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,12 Batch: WG661388-3					
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	114		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/24/13 09:48
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 07 Batch: WG661500-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/24/13 09:48
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 07 Batch: WG661500-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/24/13 09:48
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 07 Batch: WG661500-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/26/13 08:55
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 16 Batch: WG661606-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/26/13 08:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 16 Batch: WG661606-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/26/13 08:55
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 16 Batch: WG661606-3					
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	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

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: WG661063-1 WG661063-2								
Methylene chloride	90		84		70-130	7		20
1,1-Dichloroethane	93		88		70-130	6		20
Chloroform	95		91		70-130	4		20
Carbon tetrachloride	97		91		70-130	6		20
1,2-Dichloropropane	96		92		70-130	4		20
Dibromochloromethane	95		89		70-130	7		20
1,1,2-Trichloroethane	90		86		70-130	5		20
Tetrachloroethene	90		84		70-130	7		20
Chlorobenzene	88		84		70-130	5		20
Trichlorofluoromethane	101		94		70-130	7		20
1,2-Dichloroethane	99		92		70-130	7		20
1,1,1-Trichloroethane	95		90		70-130	5		20
Bromodichloromethane	97		92		70-130	5		20
trans-1,3-Dichloropropene	90		86		70-130	5		20
cis-1,3-Dichloropropene	92		87		70-130	6		20
1,1-Dichloropropene	91		86		70-130	6		20
Bromoform	92		88		70-130	4		20
1,1,2,2-Tetrachloroethane	82		79		70-130	4		20
Benzene	84		79		70-130	6		20
Toluene	83		78		70-130	6		20
Ethylbenzene	83		79		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

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: WG661063-1 WG661063-2								
Chloromethane	101		96		70-130	5		20
Bromomethane	134	Q	122		70-130	9		20
Vinyl chloride	101		94		70-130	7		20
Chloroethane	81		76		70-130	6		20
1,1-Dichloroethene	91		86		70-130	6		20
trans-1,2-Dichloroethene	91		86		70-130	6		20
Trichloroethene	91		85		70-130	7		20
1,2-Dichlorobenzene	90		86		70-130	5		20
1,3-Dichlorobenzene	91		85		70-130	7		20
1,4-Dichlorobenzene	90		85		70-130	6		20
Methyl tert butyl ether	94		90		70-130	4		20
p/m-Xylene	83		78		70-130	6		20
o-Xylene	86		81		70-130	6		20
cis-1,2-Dichloroethene	90		86		70-130	5		20
Dibromomethane	96		92		70-130	4		20
1,2,3-Trichloropropane	80		78		70-130	3		20
Styrene	89		84		70-130	6		20
Dichlorodifluoromethane	101		94		70-130	7		20
Acetone	130		96		70-130	30	Q	20
Carbon disulfide	87		82		70-130	6		20
Methyl ethyl ketone	102		88		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

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: WG661063-1 WG661063-2								
Methyl isobutyl ketone	93		86		70-130	8		20
2-Hexanone	84		76		70-130	10		20
Bromochloromethane	104		97		70-130	7		20
Tetrahydrofuran	78		76		70-130	3		20
2,2-Dichloropropane	100		94		70-130	6		20
1,2-Dibromoethane	95		91		70-130	4		20
1,3-Dichloropropane	85		82		70-130	4		20
1,1,1,2-Tetrachloroethane	93		88		70-130	6		20
Bromobenzene	91		86		70-130	6		20
n-Butylbenzene	84		79		70-130	6		20
sec-Butylbenzene	83		78		70-130	6		20
tert-Butylbenzene	88		84		70-130	5		20
o-Chlorotoluene	84		82		70-130	2		20
p-Chlorotoluene	85		80		70-130	6		20
1,2-Dibromo-3-chloropropane	90		86		70-130	5		20
Hexachlorobutadiene	92		87		70-130	6		20
Isopropylbenzene	82		78		70-130	5		20
p-Isopropyltoluene	90		85		70-130	6		20
Naphthalene	91		88		70-130	3		20
n-Propylbenzene	83		78		70-130	6		20
1,2,3-Trichlorobenzene	93		91		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

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: WG661063-1 WG661063-2								
1,2,4-Trichlorobenzene	95		90		70-130	5		20
1,3,5-Trimethylbenzene	85		81		70-130	5		20
1,2,4-Trimethylbenzene	86		81		70-130	6		20
Diethyl ether	94		88		70-130	7		20
Diisopropyl Ether	86		82		70-130	5		20
Ethyl-Tert-Butyl-Ether	99		93		70-130	6		20
Tertiary-Amyl Methyl Ether	93		89		70-130	4		20
1,4-Dioxane	91		90		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,12 Batch: WG661388-1 WG661388-2								
Methylene chloride	91		84		70-130	8		20
1,1-Dichloroethane	101		90		70-130	12		20
Chloroform	103		93		70-130	10		20
Carbon tetrachloride	111		97		70-130	13		20
1,2-Dichloropropane	99		91		70-130	8		20
Dibromochloromethane	98		91		70-130	7		20
1,1,2-Trichloroethane	87		83		70-130	5		20
Tetrachloroethene	93		82		70-130	13		20
Chlorobenzene	90		82		70-130	9		20
Trichlorofluoromethane	123		104		70-130	17		20
1,2-Dichloroethane	110		104		70-130	6		20
1,1,1-Trichloroethane	106		94		70-130	12		20
Bromodichloromethane	106		98		70-130	8		20
trans-1,3-Dichloropropene	90		85		70-130	6		20
cis-1,3-Dichloropropene	92		87		70-130	6		20
1,1-Dichloropropene	97		83		70-130	16		20
Bromoform	92		87		70-130	6		20
1,1,2,2-Tetrachloroethane	78		76		70-130	3		20
Benzene	86		78		70-130	10		20
Toluene	83		74		70-130	11		20
Ethylbenzene	85		75		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,12 Batch: WG661388-1 WG661388-2								
Chloromethane	116		101		70-130	14		20
Bromomethane	137	Q	124		70-130	10		20
Vinyl chloride	111		94		70-130	17		20
Chloroethane	87		76		70-130	13		20
1,1-Dichloroethene	94		81		70-130	15		20
trans-1,2-Dichloroethene	95		84		70-130	12		20
Trichloroethene	97		86		70-130	12		20
1,2-Dichlorobenzene	90		84		70-130	7		20
1,3-Dichlorobenzene	92		83		70-130	10		20
1,4-Dichlorobenzene	91		83		70-130	9		20
Methyl tert butyl ether	97		92		70-130	5		20
p/m-Xylene	85		75		70-130	13		20
o-Xylene	88		78		70-130	12		20
cis-1,2-Dichloroethene	94		85		70-130	10		20
Dibromomethane	102		97		70-130	5		20
1,2,3-Trichloropropane	78		77		70-130	1		20
Styrene	90		82		70-130	9		20
Dichlorodifluoromethane	123		104		70-130	17		20
Acetone	125		97		70-130	25	Q	20
Carbon disulfide	90		77		70-130	16		20
Methyl ethyl ketone	104		91		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,12 Batch: WG661388-1 WG661388-2								
Methyl isobutyl ketone	92		95		70-130	3		20
2-Hexanone	80		78		70-130	3		20
Bromochloromethane	108		101		70-130	7		20
Tetrahydrofuran	85		86		70-130	1		20
2,2-Dichloropropane	111		96		70-130	14		20
1,2-Dibromoethane	93		88		70-130	6		20
1,3-Dichloropropane	84		79		70-130	6		20
1,1,1,2-Tetrachloroethane	98		91		70-130	7		20
Bromobenzene	90		83		70-130	8		20
n-Butylbenzene	85		73		70-130	15		20
sec-Butylbenzene	84		73		70-130	14		20
tert-Butylbenzene	91		80		70-130	13		20
o-Chlorotoluene	68	Q	61	Q	70-130	11		20
p-Chlorotoluene	84		76		70-130	10		20
1,2-Dibromo-3-chloropropane	89		87		70-130	2		20
Hexachlorobutadiene	93		80		70-130	15		20
Isopropylbenzene	83		73		70-130	13		20
p-Isopropyltoluene	93		81		70-130	14		20
Naphthalene	89		86		70-130	3		20
n-Propylbenzene	82		73		70-130	12		20
1,2,3-Trichlorobenzene	92		86		70-130	7		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,12 Batch: WG661388-1 WG661388-2								
1,2,4-Trichlorobenzene	93		85		70-130	9		20
1,3,5-Trimethylbenzene	86		77		70-130	11		20
1,2,4-Trimethylbenzene	88		78		70-130	12		20
Diethyl ether	93		91		70-130	2		20
Diisopropyl Ether	93		87		70-130	7		20
Ethyl-Tert-Butyl-Ether	103		99		70-130	4		20
Tertiary-Amyl Methyl Ether	94		90		70-130	4		20
1,4-Dioxane	86		87		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		114		70-130
Toluene-d8	93		92		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	110		110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG661500-1 WG661500-2								
Methylene chloride	96		93		70-130	3		20
1,1-Dichloroethane	106		104		70-130	2		20
Chloroform	108		107		70-130	1		20
Carbon tetrachloride	117		114		70-130	3		20
1,2-Dichloropropane	103		103		70-130	0		20
Dibromochloromethane	102		100		70-130	2		20
1,1,2-Trichloroethane	92		90		70-130	2		20
Tetrachloroethene	98		98		70-130	0		20
Chlorobenzene	95		93		70-130	2		20
Trichlorofluoromethane	125		123		70-130	2		20
1,2-Dichloroethane	116		112		70-130	4		20
1,1,1-Trichloroethane	112		111		70-130	1		20
Bromodichloromethane	112		107		70-130	5		20
trans-1,3-Dichloropropene	94		93		70-130	1		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
1,1-Dichloropropene	102		100		70-130	2		20
Bromoform	97		93		70-130	4		20
1,1,2,2-Tetrachloroethane	82		80		70-130	2		20
Benzene	91		89		70-130	2		20
Toluene	86		86		70-130	0		20
Ethylbenzene	88		88		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG661500-1 WG661500-2								
Chloromethane	123		124		70-130	1		20
Bromomethane	145	Q	144	Q	70-130	1		20
Vinyl chloride	115		117		70-130	2		20
Chloroethane	93		94		70-130	1		20
1,1-Dichloroethene	98		97		70-130	1		20
trans-1,2-Dichloroethene	101		97		70-130	4		20
Trichloroethene	103		101		70-130	2		20
1,2-Dichlorobenzene	96		94		70-130	2		20
1,3-Dichlorobenzene	95		95		70-130	0		20
1,4-Dichlorobenzene	95		94		70-130	1		20
Methyl tert butyl ether	103		99		70-130	4		20
p/m-Xylene	89		88		70-130	1		20
o-Xylene	92		90		70-130	2		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	108		105		70-130	3		20
1,2,3-Trichloropropane	84		80		70-130	5		20
Styrene	94		93		70-130	1		20
Dichlorodifluoromethane	121		120		70-130	1		20
Acetone	134	Q	106		70-130	23	Q	20
Carbon disulfide	92		90		70-130	2		20
Methyl ethyl ketone	108		96		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG661500-1 WG661500-2								
Methyl isobutyl ketone	98		94		70-130	4		20
2-Hexanone	88		80		70-130	10		20
Bromochloromethane	114		110		70-130	4		20
Tetrahydrofuran	91		85		70-130	7		20
2,2-Dichloropropane	118		115		70-130	3		20
1,2-Dibromoethane	101		97		70-130	4		20
1,3-Dichloropropane	88		86		70-130	2		20
1,1,1,2-Tetrachloroethane	103		101		70-130	2		20
Bromobenzene	95		92		70-130	3		20
n-Butylbenzene	90		88		70-130	2		20
sec-Butylbenzene	88		88		70-130	0		20
tert-Butylbenzene	96		96		70-130	0		20
o-Chlorotoluene	91		91		70-130	0		20
p-Chlorotoluene	88		88		70-130	0		20
1,2-Dibromo-3-chloropropane	97		90		70-130	7		20
Hexachlorobutadiene	98		100		70-130	2		20
Isopropylbenzene	87		87		70-130	0		20
p-Isopropyltoluene	98		97		70-130	1		20
Naphthalene	96		92		70-130	4		20
n-Propylbenzene	87		86		70-130	1		20
1,2,3-Trichlorobenzene	98		97		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG661500-1 WG661500-2								
1,2,4-Trichlorobenzene	100		99		70-130	1		20
1,3,5-Trimethylbenzene	90		91		70-130	1		20
1,2,4-Trimethylbenzene	92		91		70-130	1		20
Diethyl ether	100		96		70-130	4		20
Diisopropyl Ether	99		97		70-130	2		20
Ethyl-Tert-Butyl-Ether	110		107		70-130	3		20
Tertiary-Amyl Methyl Ether	101		98		70-130	3		20
1,4-Dioxane	93		89		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		111		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	111		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 16 Batch: WG661606-1 WG661606-2								
Methylene chloride	100		106		70-130	6		20
1,1-Dichloroethane	100		109		70-130	9		20
Chloroform	104		111		70-130	7		20
Carbon tetrachloride	102		114		70-130	11		20
1,2-Dichloropropane	101		108		70-130	7		20
Dibromochloromethane	95		100		70-130	5		20
1,1,2-Trichloroethane	100		104		70-130	4		20
Tetrachloroethene	97		107		70-130	10		20
Chlorobenzene	98		104		70-130	6		20
Trichlorofluoromethane	104		121		70-130	15		20
1,2-Dichloroethane	105		110		70-130	5		20
1,1,1-Trichloroethane	102		113		70-130	10		20
Bromodichloromethane	104		109		70-130	5		20
trans-1,3-Dichloropropene	98		102		70-130	4		20
cis-1,3-Dichloropropene	104		110		70-130	6		20
1,1-Dichloropropene	101		114		70-130	12		20
Bromoform	93		95		70-130	2		20
1,1,2,2-Tetrachloroethane	94		96		70-130	2		20
Benzene	100		110		70-130	10		20
Toluene	95		104		70-130	9		20
Ethylbenzene	96		106		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 16 Batch: WG661606-1 WG661606-2								
Chloromethane	91		102		70-130	11		20
Bromomethane	115		124		70-130	8		20
Vinyl chloride	95		107		70-130	12		20
Chloroethane	107		122		70-130	13		20
1,1-Dichloroethene	100		115		70-130	14		20
trans-1,2-Dichloroethene	101		112		70-130	10		20
Trichloroethene	101		112		70-130	10		20
1,2-Dichlorobenzene	96		101		70-130	5		20
1,3-Dichlorobenzene	96		103		70-130	7		20
1,4-Dichlorobenzene	96		103		70-130	7		20
Methyl tert butyl ether	110		114		70-130	4		20
p/m-Xylene	97		106		70-130	9		20
o-Xylene	98		107		70-130	9		20
cis-1,2-Dichloroethene	102		112		70-130	9		20
Dibromomethane	105		109		70-130	4		20
1,2,3-Trichloropropane	95		96		70-130	1		20
Styrene	99		107		70-130	8		20
Dichlorodifluoromethane	91		105		70-130	14		20
Acetone	140	Q	134	Q	70-130	4		20
Carbon disulfide	98		111		70-130	12		20
Methyl ethyl ketone	105		108		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 16 Batch: WG661606-1 WG661606-2								
Methyl isobutyl ketone	106		112		70-130	6		20
2-Hexanone	105		106		70-130	1		20
Bromochloromethane	105		110		70-130	5		20
Tetrahydrofuran	111		117		70-130	5		20
2,2-Dichloropropane	101		111		70-130	9		20
1,2-Dibromoethane	99		102		70-130	3		20
1,3-Dichloropropane	98		103		70-130	5		20
1,1,1,2-Tetrachloroethane	98		105		70-130	7		20
Bromobenzene	96		100		70-130	4		20
n-Butylbenzene	94		105		70-130	11		20
sec-Butylbenzene	94		103		70-130	9		20
tert-Butylbenzene	93		102		70-130	9		20
o-Chlorotoluene	94		101		70-130	7		20
p-Chlorotoluene	94		101		70-130	7		20
1,2-Dibromo-3-chloropropane	96		96		70-130	0		20
Hexachlorobutadiene	94		103		70-130	9		20
Isopropylbenzene	91		99		70-130	8		20
p-Isopropyltoluene	95		104		70-130	9		20
Naphthalene	95		99		70-130	4		20
n-Propylbenzene	93		101		70-130	8		20
1,2,3-Trichlorobenzene	98		101		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 16 Batch: WG661606-1 WG661606-2								
1,2,4-Trichlorobenzene	99		104		70-130	5		20
1,3,5-Trimethylbenzene	94		102		70-130	8		20
1,2,4-Trimethylbenzene	95		102		70-130	7		20
Diethyl ether	102		104		70-130	2		20
Diisopropyl Ether	103		110		70-130	7		20
Ethyl-Tert-Butyl-Ether	132	Q	138	Q	70-130	4		20
Tertiary-Amyl Methyl Ether	176	Q	184	Q	70-130	4		20
1,4-Dioxane	119		116		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	100		100		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-02 D
 Client ID: B02B (9-11)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/26/13 13:07
 Analyst: JW
 Percent Solids: 86%

Date Collected: 12/17/13 15:45
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	1120	--	50	A
Aroclor 1221	ND		ug/kg	1120	--	50	A
Aroclor 1232	ND		ug/kg	1120	--	50	A
Aroclor 1242	14700		ug/kg	1120	--	50	B
Aroclor 1248	ND		ug/kg	744	--	50	A
Aroclor 1254	ND		ug/kg	1120	--	50	A
Aroclor 1260	ND		ug/kg	744	--	50	A
Aroclor 1262	ND		ug/kg	372	--	50	A
Aroclor 1268	ND		ug/kg	372	--	50	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-04
Client ID: B02B (18-20)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 16:32
Analyst: JW
Percent Solids: 86%

Date Collected: 12/17/13 15:47
Date Received: 12/18/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 15:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.5	--	1	A
Aroclor 1221	ND		ug/kg	22.5	--	1	A
Aroclor 1232	ND		ug/kg	22.5	--	1	A
Aroclor 1242	48.8		ug/kg	22.5	--	1	B
Aroclor 1248	ND		ug/kg	15.0	--	1	A
Aroclor 1254	ND		ug/kg	22.5	--	1	A
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.49	--	1	A
Aroclor 1268	ND		ug/kg	7.49	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-07 D
 Client ID: B02A (4-6)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/26/13 13:22
 Analyst: JW
 Percent Solids: 89%

Date Collected: 12/18/13 09:10
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22500	--	1000	A
Aroclor 1221	ND		ug/kg	22500	--	1000	A
Aroclor 1232	ND		ug/kg	22500	--	1000	A
Aroclor 1242	335000		ug/kg	22500	--	1000	B
Aroclor 1248	ND		ug/kg	15000	--	1000	A
Aroclor 1254	ND		ug/kg	22500	--	1000	A
Aroclor 1260	ND		ug/kg	15000	--	1000	A
Aroclor 1262	ND		ug/kg	7490	--	1000	A
Aroclor 1268	ND		ug/kg	7490	--	1000	A

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

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325705-12
 Client ID: B03A (4-6)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/24/13 16:57
 Analyst: JW
 Percent Solids: 86%

Date Collected: 12/18/13 10:25
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.3	--	1	A
Aroclor 1221	ND		ug/kg	23.3	--	1	A
Aroclor 1232	ND		ug/kg	23.3	--	1	A
Aroclor 1242	ND		ug/kg	23.3	--	1	A
Aroclor 1248	ND		ug/kg	15.6	--	1	A
Aroclor 1254	ND		ug/kg	23.3	--	1	A
Aroclor 1260	ND		ug/kg	15.6	--	1	A
Aroclor 1262	ND		ug/kg	7.78	--	1	A
Aroclor 1268	ND		ug/kg	7.78	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-15 D
 Client ID: B03B (7-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/26/13 13:36
 Analyst: JW
 Percent Solids: 89%

Date Collected: 12/18/13 12:25
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	538	--	25	A
Aroclor 1221	ND		ug/kg	538	--	25	A
Aroclor 1232	ND		ug/kg	538	--	25	A
Aroclor 1242	3190		ug/kg	538	--	25	B
Aroclor 1248	ND		ug/kg	359	--	25	A
Aroclor 1254	ND		ug/kg	538	--	25	A
Aroclor 1260	ND		ug/kg	359	--	25	A
Aroclor 1262	ND		ug/kg	179	--	25	A
Aroclor 1268	ND		ug/kg	179	--	25	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-16
Client ID: B03B (10.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/26/13 09:25
Analyst: JW
Percent Solids: 90%

Date Collected: 12/18/13 12:26
Date Received: 12/18/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/23/13 09:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.3	--	1	A
Aroclor 1221	ND		ug/kg	21.3	--	1	A
Aroclor 1232	ND		ug/kg	21.3	--	1	A
Aroclor 1242	179		ug/kg	21.3	--	1	A
Aroclor 1248	ND		ug/kg	14.2	--	1	A
Aroclor 1254	ND		ug/kg	21.3	--	1	A
Aroclor 1260	ND		ug/kg	14.2	--	1	A
Aroclor 1262	ND		ug/kg	7.11	--	1	A
Aroclor 1268	ND		ug/kg	7.11	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-18 D
 Client ID: B07.5BC (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/26/13 13:51
 Analyst: JW
 Percent Solids: 82%

Date Collected: 12/18/13 15:00
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23000	--	1000	A
Aroclor 1221	ND		ug/kg	23000	--	1000	A
Aroclor 1232	ND		ug/kg	23000	--	1000	A
Aroclor 1242	ND		ug/kg	23000	--	1000	A
Aroclor 1248	ND		ug/kg	15300	--	1000	A
Aroclor 1254	237000		ug/kg	23000	--	1000	B
Aroclor 1260	ND		ug/kg	15300	--	1000	A
Aroclor 1262	ND		ug/kg	7660	--	1000	A
Aroclor 1268	ND		ug/kg	7660	--	1000	A

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

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/26/13 09:39
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 09:50
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 16 Batch: WG660980-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.38	--	A
Aroclor 1268	ND		ug/kg	6.38	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	77		30-150	B



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/24/13 17:21
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/23/13 15:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/24/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02,04,07,12,15,18 Batch: WG661091-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.38	--	A
Aroclor 1268	ND		ug/kg	6.38	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 16 Batch: WG660980-2 WG660980-3									
Aroclor 1016	80		78		40-140	3		30	A
Aroclor 1260	83		82		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	A
Decachlorobiphenyl	76		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		84		30-150	B
Decachlorobiphenyl	90		90		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02,04,07,12,15,18 Batch: WG661091-2 WG661091-3									
Aroclor 1016	59		71		40-140	18		30	A
Aroclor 1260	52		64		40-140	21		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		66		30-150	A
Decachlorobiphenyl	50		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		74		30-150	B
Decachlorobiphenyl	57		73		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325705-02
 Client ID: B02B (9-11)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/17/13 15:45
 Date Received: 12/18/13
 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	86.3		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325705-04
 Client ID: B02B (18-20)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/17/13 15:47
 Date Received: 12/18/13
 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	86.2		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-07
Client ID: B02A (4-6)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/18/13 09:10
Date Received: 12/18/13
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	88.8		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325705-12
 Client ID: B03A (4-6)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/18/13 10:25
 Date Received: 12/18/13
 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	85.7		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325705-15
 Client ID: B03B (7-10)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/18/13 12:25
 Date Received: 12/18/13
 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	88.9		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

SAMPLE RESULTS

Lab ID: L1325705-16
 Client ID: B03B (10.5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/18/13 12:26
 Date Received: 12/18/13
 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	89.7		%	0.100	NA	1	-	12/23/13 21:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325705**Project Number:** 39744051.10003**Report Date:** 12/26/13**SAMPLE RESULTS**

Lab ID: L1325705-18
Client ID: B07.5BC (0-2)
Sample Location: NEW BEDFORD,MA
Matrix: Soil

Date Collected: 12/18/13 15:00
Date Received: 12/18/13
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	82.3		%	0.100	NA	1	-	12/18/13 23:24	30,2540G	RT



Lab Duplicate Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325705

Report Date: 12/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,07,12,15,18 QC Batch ID: WG660124-1 QC Sample: L1324748-19 Client ID: DUP Sample						
Solids, Total	84.1	84.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 16 QC Batch ID: WG661147-1 QC Sample: L1325338-18 Client ID: DUP Sample						
Solids, Total	56.6	55.8	%	1		20



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325705-01A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-01B	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-01C	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-02A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325705-03A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-04A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-04B	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-04C	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-04D	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325705-05A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-06A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-07A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325705-07B	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325705-07C	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325705-07D	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325705-08A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-09A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-10A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-11A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-12A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-12B	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-12C	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-12D	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325705-13A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325705

Report Date: 12/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325705-14A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-15A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325705-16A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-16B	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-16C	Vial water preserved	A	N/A	4.1	Y	Absent	MCP-8260HLW-10(14)
L1325705-16D	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325705-17A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-18A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325705-19A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-19B	Vial water preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-19C	Vial water preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-19D	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-20A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-20B	Vial water preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-20C	Vial water preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-20D	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-21A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-21B	Vial water preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-21C	Vial water preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-21D	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()
L1325705-22A	Vial MeOH preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-22B	Vial water preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-22C	Vial water preserved	A	N/A	4.1	Y	Absent	HOLD-8260HLW(14)
L1325705-22D	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	HOLD()

Container Comments

L1325705-02A

L1325705-04D

L1325705-07A

L1325705-07D

L1325705-12D

L1325705-15A

L1325705-16D

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Lab Number: L1325705

Project Number: 39744051.10003

Report Date: 12/26/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1325705-18A

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325705
Report Date: 12/26/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd In Lab: 12/18/13

ALPHA Job #: C1325705

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: *Aerovox Geoprobe*
Project Location: *New Bedford, MA*
Project #: *39744057.10003*
Project Manager: *J. LeClair/M. Wade*
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: *URS*
Address: *1155 Elm St, Suite 401
Manchester, NH 03101*
Phone: *(603) 606-4800*
Email: *judith.leclair@urs.com*

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: *12/26/13*

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		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	SYOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint			
<i>Total Solids (from P/B)</i>			

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time						
01	TB-11	12-17-13		TB		CVOC: 3		CVOC	3
02	B02B(9-11)		1545	S	JKH				1
03	B02B(13-15)		1546	S	JKH			HOLD	1
04	B02B(18-20)		1547	S	JKH	3			4
05	B02B(23-25)		1548	S	JKH			HOLD	1
06	B02B(25-27)		1549	S	JKH			HOLD	1
07	B02A(4-6)	12-18-13	0910	S	JKH	3		CVOC	4
08	B02A(8-10)		0911	S	JKH			HOLD	1
09	B02A(13-15)		0912	S	JKH			HOLD	1
10	B02A(18-20)		0913	S	JKH			HOLD	1

Container Type: *V*
Preservative: *0*

Relinquished By: *[Signature]* Date/Time: *12/18/13 1545*

Received By: *[Signature]* Date/Time: *12/18/13 1545*

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744057-10003
Project Manager: J. McClain/A. Wade
ALPHA Quote #:

Date Rec'd in Lab: 12/18/13

ALPHA Job #: U325705

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Juditha.mcclellan@urs.com

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: 12/26/13

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Total Solids (Form PCB)	SAMPLE INFO	TOTAL # BOTTLES
									Filtration	
									<input type="checkbox"/> Field	
									<input type="checkbox"/> Lab to do	
									Preservation	
									<input type="checkbox"/> Lab to do	
									Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES			
		Date	Time			SVOC	METALS	METALS	EPH	VPH	TPH	TPH	TPH	TPH	TPH					
11	B02A(20.5-22.5)	12-18-13	0914	S	JKH														HOLD	1
12	B03A(4-6)		1025	S	JKH	3													CVOC	4
13	B03A(8-10)		1026	S	JKH														HOLD	1
14	B03A(10.5-12.5)		1027	S	JKH														HOLD	1
15	B03B(7-10)		1225	S	JKH															1
16	B03B(12.5) (10.5)		1226	S	JKH	3													CVOC	4
17	B03B(11-13)		1227	S	JKH														HOLD	1
18	B07.5BC(0-2)		1500	S	JKH															1
19	B07.5BC(3-5)		1501	S	JKH	3													HOLD	4
20	B07.5BC(8-10)		1502	S	JKH	3													HOLD	4

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O3
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type: V
Preservative: O

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/18/13 1543</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/18/13 1543</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744057-10003
Project Manager: J. McClain/A. Wade
ALPHA Quote #:

Date Rec'd in Lab: 12/18/13

ALPHA Job #: U325705

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: juditha.mcclellan@urs.com

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: 12/26/13

Additional Project Information:

ANALYSIS		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 8280 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	<input type="checkbox"/> Field	<input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRA45 <input type="checkbox"/> RCRA8	<input type="checkbox"/> Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<input type="checkbox"/> PEST		
<u>Total Solids (from PCB)</u>			

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS				SAMPLE INFO		Sample Comments	TOTAL # BOTTLES	
		Date	Time			CVOC	SVOC	METALS	EPH	VPH	TPH			Filtration
11	B02A(20.5-22.5)	12-18-13	0914	S	JKH								HOLD	1
12	B03A(4-6)		1025	S	JKH	3							CVOC	4
13	B03A(8-10)		1026	S	JKH								HOLD	1
14	B03A(10.5-12.5)		1027	S	JKH								HOLD	1
15	B03B(7-10)		1225	S	JKH									1
16	B03B(12.5)		1226	S	JKH	3							CVOC	4
17	B03B(11-13)		1227	S	JKH								HOLD	1
18	B07.5BC(0-2)		1500	S	JKH									1
19	B07.5BC(3-5)		1501	S	JKH	3							HOLD	4
20	B07.5BC(8-10)		1502	S	JKH	3							HOLD	4

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O3
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type V

Preservative O

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/18/13 1543</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/18/13 1543</u>

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 12/16/13

ALPHA Job #: L1325705

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: julia.leclair@urs.com

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair / M. Wade
ALPHA Quote #:

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: 12/20/13

ANALYSIS		SAMPLE INFO	
SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48	<input type="checkbox"/> Lab to do	Preservation
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> Lab to do	
<input checked="" type="checkbox"/> PCB	<input type="checkbox"/> PEST		
<input type="checkbox"/> Quant Only	<input type="checkbox"/> Fingerprint		
Total Solids (from PCB)			

ALPHA Lab ID (Lab Use Only)

Sample ID

Collection

Date

Time

Sample Matrix

Sampler Initials

CVOC: 8260

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	CVOC: <input checked="" type="checkbox"/> 8260	SVOC: <input type="checkbox"/> 624 <input type="checkbox"/> 5242	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Quant Only	Fingerprint	Total Solids (from PCB)	Sample Comments	TOTAL # BOTTLES
21	B07.5 BC(13-15)	12-18-13	1503	S	JKH	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>					HOLD	4
22	B07.5 BC(17-19)	12-18-13	1504	S	JKH	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>					HOLD	4

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= HNO₃
- D= H₂SO₄
- E= NaOH
- F= MeOH
- G= NaHSO₄
- H= Na₂S₂O₃
- I= Ascorbic Acid
- J= NH₄Cl
- K= Zn Acetate
- O= Other

Container Type V

Preservative 0

G

A

Relinquished By: <i>[Signature]</i>	Date/Time: 12/18/13 1543	Received By: <i>[Signature]</i>	Date/Time: 12/18/13 1543
	12/18/13 1635		12/18/13 1635
	12/18/13 1845		12/18/13 1845

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO. 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325705

Instrument ID: Voal00.i Calibration Date: 23-DEC-2013 Time: 20:12

Lab File ID: 1223N02 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.18832	.23178	.1	23	20	F
chloromethane	100	116	.1	16	20	
vinyl chloride	100	111	.1	11	20	
bromomethane	100	137	.1	37	20	F
chloroethane	100	86.622	.1	-13	20	
trichlorofluoromethane	.33683	.41343	.1	23	20	F
ethyl ether	.1212	.11317	.05	-7	20	
1,1,-dichloroethene	.22262	.20984	.1	-6	20	
carbon disulfide	100	89.806	.1	-10	20	
methylene chloride	100	91.448	.1	-9	20	
acetone	100	125	.1	25	20	F
trans-1,2-dichloroethene	.26173	.24848	.1	-5	20	
methyl tert butyl ether	.60479	.58469	.1	-3	20	
Diisopropyl Ether	1.0458	.97498	.05	-7	20	
1,1-dichloroethane	.5436	.54861	.2	1	20	
Ethyl-Tert-Butyl-Ether	.911	.94044	.05	3	20	
cis-1,2-dichloroethene	.27799	.26257	.1	-6	20	
2,2-dichloropropane	.35171	.3895	.05	11	20	
bromochloromethane	.12984	.14002	.05	8	20	
chloroform	.44702	.46138	.2	3	20	
carbontetrachloride	.34389	.38082	.1	11	20	
tetrahydrofuran	.09245	.07819	.05	-15	20	
1,1,1-trichloroethane	.39751	.42231	.1	6	20	
2-butanone	.14186	.1469	.1	4	20	
1,1-dichloropropene	.32911	.31823	.05	-3	20	
benzene	1.0319	.89089	.5	-14	20	
Tertiary-Amyl Methyl Ether	.61291	.57524	.05	-6	20	
1,2-dichloroethane	.36498	.40266	.1	10	20	
trichloroethene	.25885	.25198	.2	-3	20	
dibromomethane	.14599	.14882	.05	2	20	
1,2-dichloropropane	.2993	.29606	.1	-1	20	
bromodichloromethane	.33589	.35595	.2	6	20	
1,4-dioxane	.00246	.00211	.05	-14	20	F
cis-1,3-dichloropropene	.38482	.35486	.2	-8	20	
toluene	.88345	.73137	.4	-17	20	
4-methyl-2-pentanone	.11106	.10196	.1	-8	20	
tetrachloroethene	.38403	.35768	.2	-7	20	
trans-1,3-dichloropropene	.49088	.44393	.1	-10	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325705

Instrument ID: Voal00.i Calibration Date: 23-DEC-2013 Time: 20:12

Lab File ID: 1223N02 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.20681	.1	-13	20
chlorodibromomethane	.37052	.36227	.1	-2	20
1,3-dichloropropane	.5037	.4239	.05	-16	20
1,2-dibromoethane	.29224	.27164	.1	-7	20
2-hexanone	.2592	.20849	.1	-20	20
chlorobenzene	.99049	.89514	.5	-10	20
ethyl benzene	1.6824	1.4249	.1	-15	20
1,1,1,2-tetrachloroethane	.35511	.34619	.05	-3	20
p/m xylene	.67162	.57297	.1	-15	20
o xylene	.61821	.54136	.3	-12	20
styrene	1.0041	.90849	.3	-10	20
bromoform	.44959	.4122	.1	-8	20
isopropylbenzene	3.0990	2.5686	.1	-17	20
bromobenzene	.77202	.69305	.05	-10	20
n-propylbenzene	3.5073	2.8924	.05	-18	20
1,1,2,2,-tetrachloroethane	.77486	.60826	.3	-22	20
2-chlorotoluene	2.3619	1.5957	.05	-32	20
1,3,5-trimethylbenzene	2.6433	2.2809	.05	-14	20
1,2,3-trichloropropane	.63167	.49239	.05	-22	20
4-chorotoluene	2.2438	1.8883	.05	-16	20
tert-butylbenzene	2.2528	2.044	.05	-9	20
1,2,4-trimethylbenzene	2.5422	2.2262	.05	-12	20
sec-butylbenzene	3.4471	2.9038	.05	-16	20
p-isopropyltoluene	2.8589	2.6697	.05	-7	20
1,3-dichlorobenzene	1.5833	1.4508	.6	-8	20
1,4-dichlorobenzene	1.5941	1.4552	.5	-9	20
n-butylbenzene	2.6718	2.2722	.05	-15	20
1,2-dichlorobenzene	1.4725	1.3282	.4	-10	20
1,2-dibromo-3-chloropropane	100	89.455	.05	-11	20
hexachlorobutadiene	.50157	.46509	.05	-7	20
1,2,4-trichlorobenzene	.95266	.8851	.2	-7	20
naphthalene	2.2469	1.9918	.05	-11	20
1,2,3-trichlorobenzene	.88277	.80964	.05	-8	20
dibromofluoromethane	.25768	.28315	.05	10	30
1,2-dichloroethane-d4	.28696	.33029	.05	15	30
toluene-d8	1.2970	1.2086	.05	-7	30
4-bromofluorobenzene	.89072	.86521	.05	-3	30

F
F
F

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325705

Instrument ID: Voal00.i Calibration Date: 24-DEC-2013 Time: 08:52

Lab File ID: 1224A02 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.18832	.22744	.1	21	20	F
chloromethane	100	123	.1	23	20	F
vinyl chloride	100	115	.1	15	20	
bromomethane	100	145	.1	45	20	F
chloroethane	100	92.725	.1	-7	20	
trichlorofluoromethane	.33683	.42131	.1	25	20	F
ethyl ether	.1212	.12186	.05	1	20	
1,1,-dichloroethene	.22262	.21846	.1	-2	20	
carbon disulfide	100	91.924	.1	-8	20	
methylene chloride	100	96.394	.1	-4	20	
acetone	100	134	.1	34	20	F
trans-1,2-dichloroethene	.26173	.2635	.1	1	20	
methyl tert butyl ether	.60479	.6254	.1	3	20	
Diisopropyl Ether	1.0458	1.0368	.05	-1	20	
1,1-dichloroethane	.5436	.57382	.2	6	20	
Ethyl-Tert-Butyl-Ether	.911	.99805	.05	10	20	
cis-1,2-dichloroethene	.27799	.27482	.1	-1	20	
2,2-dichloropropane	.35171	.41591	.05	18	20	
bromochloromethane	.12984	.14843	.05	14	20	
chloroform	.44702	.48398	.2	8	20	
carbontetrachloride	.34389	.40266	.1	17	20	
tetrahydrofuran	.09245	.08408	.05	-9	20	
1,1,1-trichloroethane	.39751	.44377	.1	12	20	
2-butanone	.14186	.15375	.1	8	20	
1,1-dichloropropene	.32911	.3341	.05	2	20	
benzene	1.0319	.93541	.5	-9	20	
Tertiary-Amyl Methyl Ether	.61291	.6212	.05	1	20	
1,2-dichloroethane	.36498	.42445	.1	16	20	
trichloroethene	.25885	.26626	.2	3	20	
dibromomethane	.14599	.15762	.05	8	20	
1,2-dichloropropane	.2993	.30949	.1	3	20	
bromodichloromethane	.33589	.3777	.2	12	20	
1,4-dioxane	.00246	.0023	.05	-7	20	F
cis-1,3-dichloropropene	.38482	.38365	.2	0	20	
toluene	.88345	.76339	.4	-14	20	
4-methyl-2-pentanone	.11106	.10846	.1	-2	20	
tetrachloroethene	.38403	.37764	.2	-2	20	
trans-1,3-dichloropropene	.49088	.46383	.1	-6	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325705

Instrument ID: Voal00.i Calibration Date: 24-DEC-2013 Time: 08:52

Lab File ID: 1224A02 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.2184	.1	-8	20
chlorodibromomethane	.37052	.37773	.1	2	20
1,3-dichloropropane	.5037	.44482	.05	-12	20
1,2-dibromoethane	.29224	.29588	.1	1	20
2-hexanone	.2592	.22808	.1	-12	20
chlorobenzene	.99049	.94047	.5	-5	20
ethyl benzene	1.6824	1.4836	.1	-12	20
1,1,1,2-tetrachloroethane	.35511	.36462	.05	3	20
p/m xylene	.67162	.59542	.1	-11	20
o xylene	.61821	.56657	.3	-8	20
styrene	1.0041	.94637	.3	-6	20
bromoform	.44959	.43666	.1	-3	20
isopropylbenzene	3.0990	2.7001	.1	-13	20
bromobenzene	.77202	.73397	.05	-5	20
n-propylbenzene	3.5073	3.0568	.05	-13	20
1,1,2,2,-tetrachloroethane	.77486	.63467	.3	-18	20
2-chlorotoluene	2.3619	2.1587	.05	-9	20
1,3,5-trimethylbenzene	2.6433	2.3845	.05	-10	20
1,2,3-trichloropropane	.63167	.52984	.05	-16	20
4-chorotoluene	2.2438	1.9857	.05	-12	20
tert-butylbenzene	2.2528	2.1626	.05	-4	20
1,2,4-trimethylbenzene	2.5422	2.3258	.05	-9	20
sec-butylbenzene	3.4471	3.0236	.05	-12	20
p-isopropyltoluene	2.8589	2.7918	.05	-2	20
1,3-dichlorobenzene	1.5833	1.5103	.6	-5	20
1,4-dichlorobenzene	1.5941	1.5138	.5	-5	20
n-butylbenzene	2.6718	2.4019	.05	-10	20
1,2-dichlorobenzene	1.4725	1.4067	.4	-4	20
1,2-dibromo-3-chloropropane	100	96.946	.05	-3	20
hexachlorobutadiene	.50157	.49284	.05	-2	20
1,2,4-trichlorobenzene	.95266	.95372	.2	0	20
naphthalene	2.2469	2.1457	.05	-5	20
1,2,3-trichlorobenzene	.88277	.86858	.05	-2	20
dibromofluoromethane	.25768	.28532	.05	11	30
1,2-dichloroethane-d4	.28696	.32723	.05	14	30
toluene-d8	1.2970	1.2072	.05	-7	30
4-bromofluorobenzene	.89072	.86579	.05	-3	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325705

Instrument ID: Voal04.i Calibration Date: 26-DEC-2013 Time: 08:01

Lab File ID: 1226A03 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
dichlorodifluoromethane	.26147	.23814	.1	-9	20
chloromethane	.37455	.34196	.1	-9	20
vinyl chloride	.33076	.31333	.1	-5	20
bromomethane	100	115	.1	15	20
chloroethane	100	107	.1	7	20
trichlorofluoromethane	.35778	.3725	.1	4	20
ethyl ether	.12436	.12659	.05	2	20
1,1,-dichloroethene	.25088	.25235	.1	1	20
carbon disulfide	100	97.902	.1	-2	20
methylene chloride	.30324	.3047	.1	0	20
acetone	100	140	.1	40	20
trans-1,2-dichloroethene	.29084	.29426	.1	1	20
methyl tert butyl ether	.65666	.72372	.1	10	20
Diisopropyl Ether	.99079	1.0220	.05	3	20
1,1-dichloroethane	.55421	.55508	.2	0	20
Ethyl-Tert-Butyl-Ether	.72773	.96172	.05	32	20
cis-1,2-dichloroethene	.31566	.3235	.1	2	20
2,2-dichloropropane	.43836	.44124	.05	1	20
bromochloromethane	.16468	.17333	.05	5	20
chloroform	.51187	.5298	.2	4	20
carbontetrachloride	.06897	.0705	.1	2	20
tetrahydrofuran	.08121	.08985	.05	11	20
1,1,1-trichloroethane	.47559	.48428	.1	2	20
2-butanone	.12299	.12913	.1	5	20
1,1-dichloropropene	.37594	.38004	.05	1	20
benzene	1.1046	1.1074	.5	0	20
Tertiary-Amyl Methyl Ether	.391	.68715	.05	76	20
1,2-dichloroethane	.39176	.41278	.1	5	20
trichloroethene	.30024	.30245	.2	1	20
dibromomethane	.17791	.18618	.05	5	20
1,2-dichloropropane	.30913	.31344	.1	1	20
bromodichloromethane	.39644	.41067	.2	4	20
1,4-dioxane	.00239	.00285	.05	19	20
cis-1,3-dichloropropene	.44851	.46505	.2	4	20
toluene	.93332	.88619	.4	-5	20
tetrachloroethene	.45775	.4435	.2	-3	20
4-methyl-2-pentanone	.1014	.10758	.1	6	20
trans-1,3-dichloropropene	.50181	.4931	.1	-2	20

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325705

Instrument ID: Voal04.i Calibration Date: 26-DEC-2013 Time: 08:01

Lab File ID: 1226A03 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.24202	.24104	.1	0	20
chlorodibromomethane	.4372	.417	.1	-5	20
1,3-dichloropropane	.48953	.48206	.05	-2	20
1,2-dibromoethane	.32313	.32062	.1	-1	20
2-hexanone	.21599	.22652	.1	5	20
chlorobenzene	1.0902	1.0684	.5	-2	20
ethyl benzene	1.7849	1.7192	.1	-4	20
1,1,1,2-tetrachloroethane	.40659	.39801	.05	-2	20
p/m xylene	.68836	.66783	.1	-3	20
o xylene	.66074	.64688	.3	-2	20
styrene	1.0883	1.0805	.3	-1	20
bromoform	.51938	.48184	.1	-7	20
isopropylbenzene	3.2645	2.9829	.1	-9	20
bromobenzene	.9063	.86593	.05	-4	20
n-propylbenzene	3.5808	3.3346	.05	-7	20
1,1,2,2,-tetrachloroethane	.70395	.66303	.3	-6	20
2-chlorotoluene	2.3062	2.1671	.05	-6	20
1,2,3-trichloropropane	.54526	.51644	.05	-5	20
1,3,5-trimethylbenzene	2.7199	2.5626	.05	-6	20
4-chorotoluene	2.3106	2.1785	.05	-6	20
tert-butylbenzene	2.3840	2.2260	.05	-7	20
1,2,4-trimethylbenzene	2.6358	2.5076	.05	-5	20
sec-butylbenzene	3.4461	3.2458	.05	-6	20
p-isopropyltoluene	3.0272	2.8658	.05	-5	20
1,3-dichlorobenzene	1.7220	1.6561	.6	-4	20
1,4-dichlorobenzene	1.7220	1.6561	.5	-4	20
n-butylbenzene	2.6196	2.4711	.05	-6	20
1,2-dichlorobenzene	1.6054	1.5397	.4	-4	20
1,2-dibromo-3-chloropropane	.12756	.12303	.05	-4	20
hexachlorobutadiene	.62281	.58859	.05	-5	20
1,2,4-trichlorobenzene	1.1355	1.1289	.2	-1	20
naphthalene	2.3906	2.2684	.05	-5	20
1,2,3-trichlorobenzene	1.0657	1.0395	.05	-2	20
dibromofluoromethane	.28379	.2824	.05	0	30
1,2-dichloroethane-d4	.26566	.25925	.05	-2	30
toluene-d8	1.2209	1.1742	.05	-4	30
4-bromofluorobenzene	.85143	.83925	.05	-1	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325705

Instrument ID: Voal00.i Calibration Date: 23-DEC-2013 Time: 08:54

Lab File ID: 1223A02 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: ccv Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.18832	.18949	.1	1	20	
chloromethane	100	101	.1	1	20	
vinyl chloride	100	101	.1	1	20	
bromomethane	100	134	.1	34	20	F
chloroethane	100	81.204	.1	-19	20	
trichlorofluoromethane	.33683	.33966	.1	1	20	
ethyl ether	.1212	.114	.05	-6	20	
1,1,-dichloroethene	.22262	.20223	.1	-9	20	
carbon disulfide	100	86.784	.1	-13	20	
methylene chloride	100	89.709	.1	-10	20	
acetone	100	130	.1	30	20	F
trans-1,2-dichloroethene	.26173	.23735	.1	-9	20	
methyl tert butyl ether	.60479	.57105	.1	-6	20	
Diisopropyl Ether	1.0458	.90015	.05	-14	20	
1,1-dichloroethane	.5436	.50379	.2	-7	20	
Ethyl-Tert-Butyl-Ether	.911	.9024	.05	-1	20	
cis-1,2-dichloroethene	.27799	.24967	.1	-10	20	
2,2-dichloropropane	.35171	.35037	.05	0	20	
bromochloromethane	.12984	.13485	.05	4	20	
chloroform	.44702	.42498	.2	-5	20	
carbontetrachloride	.34389	.33513	.1	-3	20	
tetrahydrofuran	.09245	.07181	.05	-22	20	F
1,1,1-trichloroethane	.39751	.37857	.1	-5	20	
2-butanone	.14186	.14551	.1	3	20	
1,1-dichloropropene	.32911	.29953	.05	-9	20	
benzene	1.0319	.86538	.5	-16	20	
Tertiary-Amyl Methyl Ether	.61291	.57095	.05	-7	20	
1,2-dichloroethane	.36498	.36071	.1	-1	20	
trichloroethene	.25885	.2359	.2	-9	20	
dibromomethane	.14599	.13954	.05	-4	20	
1,2-dichloropropane	.2993	.28713	.1	-4	20	
bromodichloromethane	.33589	.32639	.2	-3	20	
1,4-dioxane	.00246	.00225	.05	-9	20	F
cis-1,3-dichloropropene	.38482	.35612	.2	-7	20	
toluene	.88345	.73127	.4	-17	20	
4-methyl-2-pentanone	.11106	.1037	.1	-7	20	
tetrachloroethene	.38403	.34553	.2	-10	20	
trans-1,3-dichloropropene	.49088	.44301	.1	-10	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325705

Instrument ID: Voal00.i Calibration Date: 23-DEC-2013 Time: 08:54

Lab File ID: 1223A02 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: ccv Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.21396	.1	-10	20
chlorodibromomethane	.37052	.35314	.1	-5	20
1,3-dichloropropane	.5037	.42597	.05	-15	20
1,2-dibromoethane	.29224	.27684	.1	-5	20
2-hexanone	.2592	.21904	.1	-15	20
chlorobenzene	.99049	.87571	.5	-12	20
ethyl benzene	1.6824	1.3979	.1	-17	20
1,1,1,2-tetrachloroethane	.35511	.33007	.05	-7	20
p/m xylene	.67162	.55444	.1	-17	20
o xylene	.61821	.53028	.3	-14	20
styrene	1.0041	.89595	.3	-11	20
bromoform	.44959	.41264	.1	-8	20
isopropylbenzene	3.0990	2.5350	.1	-18	20
bromobenzene	.77202	.7003	.05	-9	20
n-propylbenzene	3.5073	2.9036	.05	-17	20
1,1,2,2,-tetrachloroethane	.77486	.63717	.3	-18	20
2-chlorotoluene	2.3619	1.7604	.05	-25	20
1,3,5-trimethylbenzene	2.6433	2.2469	.05	-15	20
1,2,3-trichloropropane	.63167	.50709	.05	-20	20
4-chlorotoluene	2.2438	1.9002	.05	-15	20
tert-butylbenzene	2.2528	1.9924	.05	-12	20
1,2,4-trimethylbenzene	2.5422	2.1912	.05	-14	20
sec-butylbenzene	3.4471	2.8655	.05	-17	20
p-isopropyltoluene	2.8589	2.5757	.05	-10	20
1,3-dichlorobenzene	1.5833	1.439	.6	-9	20
1,4-dichlorobenzene	1.5941	1.4340	.5	-10	20
n-butylbenzene	2.6718	2.2356	.05	-16	20
1,2-dichlorobenzene	1.4725	1.3287	.4	-10	20
1,2-dibromo-3-chloropropane	100	90.275	.05	-10	20
hexachlorobutadiene	.50157	.46203	.05	-8	20
1,2,4-trichlorobenzene	.95266	.90264	.2	-5	20
naphthalene	2.2469	2.0452	.05	-9	20
1,2,3-trichlorobenzene	.88277	.81937	.05	-7	20
dibromofluoromethane	.25768	.2714	.05	5	30
1,2-dichloroethane-d4	.28696	.29793	.05	4	30
toluene-d8	1.2970	1.2324	.05	-5	30
4-bromofluorobenzene	.89072	.88389	.05	-1	30

F

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1325849
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/27/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325849
Report Date: 12/27/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325849-01	MIP03 (0-2)	NEW BEDFORD,MA	12/19/13 08:40
L1325849-02	MIP03 (3-5)	NEW BEDFORD,MA	12/19/13 08:41
L1325849-03	MIP03 (8-10)	NEW BEDFORD,MA	12/19/13 08:42
L1325849-04	MIP03 (12.5-13.5)	NEW BEDFORD,MA	12/19/13 08:43
L1325849-05	MIP03 (13.5-15)	NEW BEDFORD,MA	12/19/13 08:44
L1325849-06	MIP11 (0-2)	NEW BEDFORD,MA	12/19/13 10:40
L1325849-07	MIP11 (3-5)	NEW BEDFORD,MA	12/19/13 10:41
L1325849-08	MIP11 (8-10)	NEW BEDFORD,MA	12/19/13 10:42
L1325849-09	MIP11 (13-15)	NEW BEDFORD,MA	12/19/13 10:43
L1325849-10	MIP11 (18-20)	NEW BEDFORD,MA	12/19/13 10:44
L1325849-11	MIP11 (24-25)	NEW BEDFORD,MA	12/19/13 10:45
L1325849-12	MIP11 (27.5)	NEW BEDFORD,MA	12/19/13 10:46
L1325849-13	MIP11 (28-30)	NEW BEDFORD,MA	12/19/13 10:47
L1325849-14	TB-12	NEW BEDFORD,MA	12/19/13 00:00

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325849
Report Date: 12/27/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325849
Report Date: 12/27/13

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L1325849-04, -11, -12 and -14: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The continuing calibration standard, associated with L1325849-04, -11, -12 and -14, is outside the acceptance criteria for carbon tetrachloride; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:

L1325849-01 and -06: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1325849-01 and -06 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

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

Authorized Signature:

 Lisa Westerlind

Title: Technical Director/Representative

Date: 12/27/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-04
Client ID: MIP03 (12.5-13.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/26/13 11:39
Analyst: BN
Percent Solids: 92%

Date Collected: 12/19/13 08:43
Date Received: 12/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	540	--	1
1,1-Dichloroethane	ND		ug/kg	81	--	1
Chloroform	ND		ug/kg	81	--	1
Carbon tetrachloride	ND		ug/kg	54	--	1
1,2-Dichloropropane	ND		ug/kg	190	--	1
Dibromochloromethane	ND		ug/kg	54	--	1
1,1,2-Trichloroethane	ND		ug/kg	81	--	1
Tetrachloroethene	ND		ug/kg	54	--	1
Chlorobenzene	ND		ug/kg	54	--	1
1,2-Dichloroethane	ND		ug/kg	54	--	1
1,1,1-Trichloroethane	ND		ug/kg	54	--	1
Bromodichloromethane	ND		ug/kg	54	--	1
trans-1,3-Dichloropropene	ND		ug/kg	54	--	1
cis-1,3-Dichloropropene	ND		ug/kg	54	--	1
Bromoform	ND		ug/kg	220	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	54	--	1
Chloromethane	ND		ug/kg	220	--	1
Vinyl chloride	ND		ug/kg	110	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	54	--	1
trans-1,2-Dichloroethene	ND		ug/kg	81	--	1
Trichloroethene	ND		ug/kg	54	--	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
cis-1,2-Dichloroethene	ND		ug/kg	54	--	1
Dichlorodifluoromethane	ND		ug/kg	540	--	1
1,2-Dibromoethane	ND		ug/kg	220	--	1
1,3-Dichloropropane	ND		ug/kg	220	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	54	--	1
o-Chlorotoluene	ND		ug/kg	220	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-04
 Client ID: MIP03 (12.5-13.5)
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/19/13 08:43
 Date Received: 12/19/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
1,2,4-Trichlorobenzene	800		ug/kg	220	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-11 D
 Client ID: MIP11 (24-25)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/26/13 12:06
 Analyst: BN
 Percent Solids: 81%

Date Collected: 12/19/13 10:45
 Date Received: 12/19/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4400	--	5
1,1-Dichloroethane	ND		ug/kg	670	--	5
Chloroform	ND		ug/kg	670	--	5
Carbon tetrachloride	ND		ug/kg	440	--	5
1,2-Dichloropropane	ND		ug/kg	1600	--	5
Dibromochloromethane	ND		ug/kg	440	--	5
1,1,2-Trichloroethane	ND		ug/kg	670	--	5
Tetrachloroethene	ND		ug/kg	440	--	5
Chlorobenzene	ND		ug/kg	440	--	5
1,2-Dichloroethane	ND		ug/kg	440	--	5
1,1,1-Trichloroethane	ND		ug/kg	440	--	5
Bromodichloromethane	ND		ug/kg	440	--	5
trans-1,3-Dichloropropene	ND		ug/kg	440	--	5
cis-1,3-Dichloropropene	ND		ug/kg	440	--	5
Bromoform	ND		ug/kg	1800	--	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	440	--	5
Chloromethane	ND		ug/kg	1800	--	5
Vinyl chloride	ND		ug/kg	890	--	5
Chloroethane	ND		ug/kg	890	--	5
1,1-Dichloroethene	ND		ug/kg	440	--	5
trans-1,2-Dichloroethene	ND		ug/kg	670	--	5
Trichloroethene	65000		ug/kg	440	--	5
1,2-Dichlorobenzene	ND		ug/kg	1800	--	5
1,3-Dichlorobenzene	ND		ug/kg	1800	--	5
1,4-Dichlorobenzene	ND		ug/kg	1800	--	5
cis-1,2-Dichloroethene	1100		ug/kg	440	--	5
Dichlorodifluoromethane	ND		ug/kg	4400	--	5
1,2-Dibromoethane	ND		ug/kg	1800	--	5
1,3-Dichloropropane	ND		ug/kg	1800	--	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	440	--	5
o-Chlorotoluene	ND		ug/kg	1800	--	5

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-11 D

Date Collected: 12/19/13 10:45

Client ID: MIP11 (24-25)

Date Received: 12/19/13

Sample Location: NEW BEDFORD,MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	1800	--	5
Hexachlorobutadiene	ND		ug/kg	1800	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	1800	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-12 D
 Client ID: MIP11 (27.5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/26/13 13:27
 Analyst: BN
 Percent Solids: 90%

Date Collected: 12/19/13 10:46
 Date Received: 12/19/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3200	--	5
1,1-Dichloroethane	ND		ug/kg	490	--	5
Chloroform	ND		ug/kg	490	--	5
Carbon tetrachloride	ND		ug/kg	320	--	5
1,2-Dichloropropane	ND		ug/kg	1100	--	5
Dibromochloromethane	ND		ug/kg	320	--	5
1,1,2-Trichloroethane	ND		ug/kg	490	--	5
Tetrachloroethene	ND		ug/kg	320	--	5
Chlorobenzene	ND		ug/kg	320	--	5
1,2-Dichloroethane	ND		ug/kg	320	--	5
1,1,1-Trichloroethane	ND		ug/kg	320	--	5
Bromodichloromethane	ND		ug/kg	320	--	5
trans-1,3-Dichloropropene	ND		ug/kg	320	--	5
cis-1,3-Dichloropropene	ND		ug/kg	320	--	5
Bromoform	ND		ug/kg	1300	--	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	320	--	5
Chloromethane	ND		ug/kg	1300	--	5
Vinyl chloride	ND		ug/kg	650	--	5
Chloroethane	ND		ug/kg	650	--	5
1,1-Dichloroethene	ND		ug/kg	320	--	5
trans-1,2-Dichloroethene	ND		ug/kg	490	--	5
Trichloroethene	47000		ug/kg	320	--	5
1,2-Dichlorobenzene	ND		ug/kg	1300	--	5
1,3-Dichlorobenzene	ND		ug/kg	1300	--	5
1,4-Dichlorobenzene	ND		ug/kg	1300	--	5
cis-1,2-Dichloroethene	490		ug/kg	320	--	5
Dichlorodifluoromethane	ND		ug/kg	3200	--	5
1,2-Dibromoethane	ND		ug/kg	1300	--	5
1,3-Dichloropropane	ND		ug/kg	1300	--	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	320	--	5
o-Chlorotoluene	ND		ug/kg	1300	--	5

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-12 D

Date Collected: 12/19/13 10:46

Client ID: MIP11 (27.5)

Date Received: 12/19/13

Sample Location: NEW BEDFORD,MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	1300	--	5
Hexachlorobutadiene	ND		ug/kg	1300	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	1300	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-14
 Client ID: TB-12
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/26/13 12:33
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/19/13 00:00
 Date Received: 12/19/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-14
 Client ID: TB-12
 Sample Location: NEW BEDFORD,MA

Date Collected: 12/19/13 00:00
 Date Received: 12/19/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/26/13 08:55
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,11-12,14 Batch: WG661794-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/26/13 08:55
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,11-12,14 Batch: WG661794-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/26/13 08:55
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,11-12,14 Batch: WG661794-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,11-12,14 Batch: WG661794-1 WG661794-2								
Methylene chloride	100		106		70-130	6		20
1,1-Dichloroethane	100		109		70-130	9		20
Chloroform	104		111		70-130	7		20
Carbon tetrachloride	102		114		70-130	11		20
1,2-Dichloropropane	101		108		70-130	7		20
Dibromochloromethane	95		100		70-130	5		20
1,1,2-Trichloroethane	100		104		70-130	4		20
Tetrachloroethene	97		107		70-130	10		20
Chlorobenzene	98		104		70-130	6		20
Trichlorofluoromethane	104		121		70-130	15		20
1,2-Dichloroethane	105		110		70-130	5		20
1,1,1-Trichloroethane	102		113		70-130	10		20
Bromodichloromethane	104		109		70-130	5		20
trans-1,3-Dichloropropene	98		102		70-130	4		20
cis-1,3-Dichloropropene	104		110		70-130	6		20
1,1-Dichloropropene	101		114		70-130	12		20
Bromoform	93		95		70-130	2		20
1,1,2,2-Tetrachloroethane	94		96		70-130	2		20
Benzene	100		110		70-130	10		20
Toluene	95		104		70-130	9		20
Ethylbenzene	96		106		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,11-12,14 Batch: WG661794-1 WG661794-2								
Chloromethane	91		102		70-130	11		20
Bromomethane	115		124		70-130	8		20
Vinyl chloride	95		107		70-130	12		20
Chloroethane	107		122		70-130	13		20
1,1-Dichloroethene	100		115		70-130	14		20
trans-1,2-Dichloroethene	101		112		70-130	10		20
Trichloroethene	101		112		70-130	10		20
1,2-Dichlorobenzene	96		101		70-130	5		20
1,3-Dichlorobenzene	96		103		70-130	7		20
1,4-Dichlorobenzene	96		103		70-130	7		20
Methyl tert butyl ether	110		114		70-130	4		20
p/m-Xylene	97		106		70-130	9		20
o-Xylene	98		107		70-130	9		20
cis-1,2-Dichloroethene	102		112		70-130	9		20
Dibromomethane	105		109		70-130	4		20
1,2,3-Trichloropropane	95		96		70-130	1		20
Styrene	99		107		70-130	8		20
Dichlorodifluoromethane	91		105		70-130	14		20
Acetone	140	Q	134	Q	70-130	4		20
Carbon disulfide	98		111		70-130	12		20
Methyl ethyl ketone	105		108		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,11-12,14 Batch: WG661794-1 WG661794-2								
Methyl isobutyl ketone	106		112		70-130	6		20
2-Hexanone	105		106		70-130	1		20
Bromochloromethane	105		110		70-130	5		20
Tetrahydrofuran	111		117		70-130	5		20
2,2-Dichloropropane	101		111		70-130	9		20
1,2-Dibromoethane	99		102		70-130	3		20
1,3-Dichloropropane	98		103		70-130	5		20
1,1,1,2-Tetrachloroethane	98		105		70-130	7		20
Bromobenzene	96		100		70-130	4		20
n-Butylbenzene	94		105		70-130	11		20
sec-Butylbenzene	94		103		70-130	9		20
tert-Butylbenzene	93		102		70-130	9		20
o-Chlorotoluene	94		101		70-130	7		20
p-Chlorotoluene	94		101		70-130	7		20
1,2-Dibromo-3-chloropropane	96		96		70-130	0		20
Hexachlorobutadiene	94		103		70-130	9		20
Isopropylbenzene	91		99		70-130	8		20
p-Isopropyltoluene	95		104		70-130	9		20
Naphthalene	95		99		70-130	4		20
n-Propylbenzene	93		101		70-130	8		20
1,2,3-Trichlorobenzene	98		101		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325849
Report Date: 12/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,11-12,14 Batch: WG661794-1 WG661794-2								
1,2,4-Trichlorobenzene	99		104		70-130	5		20
1,3,5-Trimethylbenzene	94		102		70-130	8		20
1,2,4-Trimethylbenzene	95		102		70-130	7		20
Diethyl ether	102		104		70-130	2		20
Diisopropyl Ether	103		110		70-130	7		20
Ethyl-Tert-Butyl-Ether	132	Q	138	Q	70-130	4		20
Tertiary-Amyl Methyl Ether	176	Q	184	Q	70-130	4		20
1,4-Dioxane	119		116		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	100		100		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-01 D
 Client ID: MIP03 (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/26/13 14:52
 Analyst: TQ
 Percent Solids: 91%

Date Collected: 12/19/13 08:40
 Date Received: 12/19/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/20/13 14:37
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/22/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20600	--	1000	A
Aroclor 1221	ND		ug/kg	20600	--	1000	A
Aroclor 1232	ND		ug/kg	20600	--	1000	A
Aroclor 1242	ND		ug/kg	20600	--	1000	A
Aroclor 1248	ND		ug/kg	13800	--	1000	A
Aroclor 1254	192000		ug/kg	20600	--	1000	A
Aroclor 1260	ND		ug/kg	13800	--	1000	A
Aroclor 1262	ND		ug/kg	6880	--	1000	A
Aroclor 1268	ND		ug/kg	6880	--	1000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-06 D
 Client ID: MIP11 (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/26/13 15:07
 Analyst: TQ
 Percent Solids: 91%

Date Collected: 12/19/13 10:40
 Date Received: 12/19/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/20/13 14:37
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/22/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	206000	--	10000	A
Aroclor 1221	ND		ug/kg	206000	--	10000	A
Aroclor 1232	ND		ug/kg	206000	--	10000	A
Aroclor 1242	ND		ug/kg	206000	--	10000	A
Aroclor 1248	ND		ug/kg	138000	--	10000	A
Aroclor 1254	5540000		ug/kg	206000	--	10000	B
Aroclor 1260	ND		ug/kg	138000	--	10000	A
Aroclor 1262	ND		ug/kg	68800	--	10000	A
Aroclor 1268	ND		ug/kg	68800	--	10000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-11
Client ID: MIP11 (24-25)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/22/13 18:55
Analyst: TQ
Percent Solids: 81%

Date Collected: 12/19/13 10:45
Date Received: 12/19/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/20/13 14:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/22/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	24.0	--	1	A
Aroclor 1221	ND		ug/kg	24.0	--	1	A
Aroclor 1232	ND		ug/kg	24.0	--	1	A
Aroclor 1242	ND		ug/kg	24.0	--	1	A
Aroclor 1248	ND		ug/kg	16.0	--	1	A
Aroclor 1254	210		ug/kg	24.0	--	1	B
Aroclor 1260	ND		ug/kg	16.0	--	1	A
Aroclor 1262	ND		ug/kg	8.00	--	1	A
Aroclor 1268	ND		ug/kg	8.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325849**Project Number:** 39744051.10003**Report Date:** 12/27/13**SAMPLE RESULTS**

Lab ID: L1325849-12
Client ID: MIP11 (27.5)
Sample Location: NEW BEDFORD,MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/22/13 19:08
Analyst: TQ
Percent Solids: 90%

Date Collected: 12/19/13 10:46
Date Received: 12/19/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/20/13 14:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/22/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.1	--	1	A
Aroclor 1221	ND		ug/kg	22.1	--	1	A
Aroclor 1232	ND		ug/kg	22.1	--	1	A
Aroclor 1242	ND		ug/kg	22.1	--	1	A
Aroclor 1248	ND		ug/kg	14.7	--	1	A
Aroclor 1254	205		ug/kg	22.1	--	1	B
Aroclor 1260	ND		ug/kg	14.7	--	1	A
Aroclor 1262	ND		ug/kg	7.35	--	1	A
Aroclor 1268	ND		ug/kg	7.35	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325849
Report Date: 12/27/13

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/22/13 19:21
 Analyst: TQ

Extraction Method: EPA 3540C
 Extraction Date: 12/20/13 14:37
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/22/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,06,11-12 Batch: WG660519-1						
Aroclor 1016	ND		ug/kg	19.8	--	A
Aroclor 1221	ND		ug/kg	19.8	--	A
Aroclor 1232	ND		ug/kg	19.8	--	A
Aroclor 1242	ND		ug/kg	19.8	--	A
Aroclor 1248	ND		ug/kg	13.2	--	A
Aroclor 1254	ND		ug/kg	19.8	--	A
Aroclor 1260	ND		ug/kg	13.2	--	A
Aroclor 1262	ND		ug/kg	6.60	--	A
Aroclor 1268	ND		ug/kg	6.60	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	114		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,06,11-12 Batch: WG660519-2 WG660519-3									
Aroclor 1016	77		78		40-140	1		30	A
Aroclor 1260	74		78		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		66		30-150	A
Decachlorobiphenyl	75		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		61		30-150	B
Decachlorobiphenyl	101		79		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

SAMPLE RESULTS

Lab ID: L1325849-01
 Client ID: MIP03 (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/19/13 08:40
 Date Received: 12/19/13
 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	91.3		%	0.100	NA	1	-	12/20/13 02:38	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

SAMPLE RESULTS

Lab ID: L1325849-04
 Client ID: MIP03 (12.5-13.5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/19/13 08:43
 Date Received: 12/19/13
 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	91.8		%	0.100	NA	1	-	12/20/13 02:38	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

SAMPLE RESULTS

Lab ID: L1325849-06
 Client ID: MIP11 (0-2)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/19/13 10:40
 Date Received: 12/19/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	12/20/13 02:38	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

SAMPLE RESULTS

Lab ID: L1325849-11
 Client ID: MIP11 (24-25)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/19/13 10:45
 Date Received: 12/19/13
 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	80.9		%	0.100	NA	1	-	12/20/13 02:38	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

SAMPLE RESULTS

Lab ID: L1325849-12
 Client ID: MIP11 (27.5)
 Sample Location: NEW BEDFORD,MA
 Matrix: Soil

Date Collected: 12/19/13 10:46
 Date Received: 12/19/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	12/20/13 02:38	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325849

Report Date: 12/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04,06,11-12 QC Batch ID: WG660481-1 QC Sample: L1325844-01 Client ID: DUP Sample						
Solids, Total	54.8	48.8	%	12		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1325849

Project Number: 39744051.10003

Report Date: 12/27/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/19/2013 23:30

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325849-01A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325849-02A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-02B	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-02C	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-02D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD-8082()
L1325849-03A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-03B	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-03C	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-03D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD-8082()
L1325849-04A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-04B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-04C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-04D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7)
L1325849-05A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-05B	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-05C	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-05D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD-8082()
L1325849-06A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325849-07A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-07B	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-07C	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-07D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD-8082()
L1325849-08A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-08B	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-08C	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-08D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD-8082()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325849

Report Date: 12/27/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325849-09A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-09B	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-09C	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-09D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD-8082()
L1325849-10A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-10B	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-10C	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-10D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD-8082()
L1325849-11A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-11B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-11C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-11D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325849-12A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-12B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-12C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-12D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325849-13A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-13B	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-13C	Vial water preserved	A	N/A	3.9	Y	Absent	HOLD-8260HLW(14)
L1325849-13D	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	HOLD-8082()
L1325849-14A	Vial MeOH preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-14B	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)
L1325849-14C	Vial water preserved	A	N/A	3.9	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325849
Report Date: 12/27/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325849
Report Date: 12/27/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325849
Report Date: 12/27/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



1/2

CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd In Lab: 12/19/13

ALPHA Job #: L1325849

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprabe

Project Location: New Bedford, MA

Project #: 39744051.10003

Project Manager: J. Leclair / M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/27/13

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

SVOC: 8260 624 5242

METALS: ABN PAH

METALS: MCP 13 MCP 14 RCP 15

EPH: RCRAS RCRAB PPT3

EPH: Ranges & Targets Ranges Only

VPH: Ranges & Targets Ranges Only

PCB: PEST

TPH: Quant Only Fingerprint

Total Solids (from PCB)

SAMPLE INFO

Filtration

Field

Lab to do

Preservation

Lab to do

TOTAL # BOTTLES

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES				
		Date	Time			SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Other	Other	Other						
25849-01	MIP03 (0-2)	12-19-13	0840	S	JKH														1	RUN	1
-02	MIP03 (3-5)		0841	S	JKH														3	HOLD ALL	4
-03	MIP03 (8-10)		0842	S	JKH														3	HOLD ALL	4
-04	MIP03 (12.5-13.5)		0843	S	JKH														3	HOLD PCB ONLY	4
-05	MIP03 (13.5-15)		0844	S	JKH														3	HOLD	4
-06	MIP11 (0-2)		1040	S	JKH														3	RUN	1
-07	MIP11 (3-5)		1041	S	JKH														3	HOLD	4
-08	MIP11 (8-10)		1042	S	JKH														3	HOLD	4
-09	MIP11 (13-15)		1043	S	JKH														3	HOLD	4
-10	MIP11 (18-20)		1044	S	JKH														3	HOLD	4

Container Type: V

Preservative: O

Relinquished By: [Signature] Date/Time: 12/19/13 11:00

Received By: [Signature] Date/Time: 12/18/13 17:25

Container Type: G

Preservative: A

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY PAGE 2 OF 2

Date Rec'd in Lab: 12/19/13

ALPHA Job #: L1325849

2 of 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Mannabaster, NH 03101
Phone: (603) 606-4800
Email: Judith.leclair@urs.com

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744057.10003
Project Manager: J. Leclair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL Same as Client info PO #:

Billing Information

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/27/13

ANALYSIS		SAMPLE INFO	
SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do	Preservation <input type="checkbox"/> Lab to do	
METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Total Solids (from AB)		
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	Total Solids (from AB)		
EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA6 <input type="checkbox"/> PP13	Total Solids (from AB)		
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Total Solids (from AB)		
<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	Total Solids (from AB)		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Total Solids (from AB)		

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SAMPLE INFO		Sample Comments	TOTAL # BOTTLES
		Date	Time				Filtration	Preservation		
25849-11	MIP11(24-25)	12-19-13	1045	S	JKH	<input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do	<input type="checkbox"/> Lab to do	RUN	4
-12	MIP11(27.5)	↓	1046	S	JKH	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do	<input type="checkbox"/> Lab to do	RUN	4
-13	MIP11(28-30)	↓	1047	S	JKH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do	<input type="checkbox"/> Lab to do	HOLD	4
-14	TB-12	↓		TB		EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA6 <input type="checkbox"/> PP13	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do	<input type="checkbox"/> Lab to do	RUN	3

Container Type

P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
E= Encore
D= BOD Bottle

Preservative

A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V

Preservative D

G

A

Relinquished By:

[Signature]

Date/Time

12/19/13 1100

Received By:

[Signature]

Date/Time

12/19/13 1102
12/19/13 1725

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO. 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325849

Instrument ID: Voal04.i Calibration Date: 26-DEC-2013 Time: 08:01

Lab File ID: 1226A03 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
dichlorodifluoromethane	.26147	.23814	.1	-9	20
chloromethane	.37455	.34196	.1	-9	20
vinyl chloride	.33076	.31333	.1	-5	20
bromomethane	100	115	.1	15	20
chloroethane	100	107	.1	7	20
trichlorofluoromethane	.35778	.3725	.1	4	20
ethyl ether	.12436	.12659	.05	2	20
1,1,-dichloroethene	.25088	.25235	.1	1	20
carbon disulfide	100	97.902	.1	-2	20
methylene chloride	.30324	.3047	.1	0	20
acetone	100	140	.1	40	20
trans-1,2-dichloroethene	.29084	.29426	.1	1	20
methyl tert butyl ether	.65666	.72372	.1	10	20
Diisopropyl Ether	.99079	1.0220	.05	3	20
1,1-dichloroethane	.55421	.55508	.2	0	20
Ethyl-Tert-Butyl-Ether	.72773	.96172	.05	32	20
cis-1,2-dichloroethene	.31566	.3235	.1	2	20
2,2-dichloropropane	.43836	.44124	.05	1	20
bromochloromethane	.16468	.17333	.05	5	20
chloroform	.51187	.5298	.2	4	20
carbontetrachloride	.06897	.0705	.1	2	20
tetrahydrofuran	.08121	.08985	.05	11	20
1,1,1-trichloroethane	.47559	.48428	.1	2	20
2-butanone	.12299	.12913	.1	5	20
1,1-dichloropropene	.37594	.38004	.05	1	20
benzene	1.1046	1.1074	.5	0	20
Tertiary-Amyl Methyl Ether	.391	.68715	.05	76	20
1,2-dichloroethane	.39176	.41278	.1	5	20
trichloroethene	.30024	.30245	.2	1	20
dibromomethane	.17791	.18618	.05	5	20
1,2-dichloropropane	.30913	.31344	.1	1	20
bromodichloromethane	.39644	.41067	.2	4	20
1,4-dioxane	.00239	.00285	.05	19	20
cis-1,3-dichloropropene	.44851	.46505	.2	4	20
toluene	.93332	.88619	.4	-5	20
tetrachloroethene	.45775	.4435	.2	-3	20
4-methyl-2-pentanone	.1014	.10758	.1	6	20
trans-1,3-dichloropropene	.50181	.4931	.1	-2	20

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325849

Instrument ID: Voal04.i Calibration Date: 26-DEC-2013 Time: 08:01

Lab File ID: 1226A03 Init. Calib. Date(s): 09-DEC-2 09-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 16:51 19:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.24202	.24104	.1	0	20
chlorodibromomethane	.4372	.417	.1	-5	20
1,3-dichloropropane	.48953	.48206	.05	-2	20
1,2-dibromoethane	.32313	.32062	.1	-1	20
2-hexanone	.21599	.22652	.1	5	20
chlorobenzene	1.0902	1.0684	.5	-2	20
ethyl benzene	1.7849	1.7192	.1	-4	20
1,1,1,2-tetrachloroethane	.40659	.39801	.05	-2	20
p/m xylene	.68836	.66783	.1	-3	20
o xylene	.66074	.64688	.3	-2	20
styrene	1.0883	1.0805	.3	-1	20
bromoform	.51938	.48184	.1	-7	20
isopropylbenzene	3.2645	2.9829	.1	-9	20
bromobenzene	.9063	.86593	.05	-4	20
n-propylbenzene	3.5808	3.3346	.05	-7	20
1,1,2,2,-tetrachloroethane	.70395	.66303	.3	-6	20
2-chlorotoluene	2.3062	2.1671	.05	-6	20
1,2,3-trichloropropane	.54526	.51644	.05	-5	20
1,3,5-trimethylbenzene	2.7199	2.5626	.05	-6	20
4-chorotoluene	2.3106	2.1785	.05	-6	20
tert-butylbenzene	2.3840	2.2260	.05	-7	20
1,2,4-trimethylbenzene	2.6358	2.5076	.05	-5	20
sec-butylbenzene	3.4461	3.2458	.05	-6	20
p-isopropyltoluene	3.0272	2.8658	.05	-5	20
1,3-dichlorobenzene	1.7220	1.6561	.6	-4	20
1,4-dichlorobenzene	1.7220	1.6561	.5	-4	20
n-butylbenzene	2.6196	2.4711	.05	-6	20
1,2-dichlorobenzene	1.6054	1.5397	.4	-4	20
1,2-dibromo-3-chloropropane	.12756	.12303	.05	-4	20
hexachlorobutadiene	.62281	.58859	.05	-5	20
1,2,4-trichlorobenzene	1.1355	1.1289	.2	-1	20
naphthalene	2.3906	2.2684	.05	-5	20
1,2,3-trichlorobenzene	1.0657	1.0395	.05	-2	20
dibromofluoromethane	.28379	.2824	.05	0	30
1,2-dichloroethane-d4	.26566	.25925	.05	-2	30
toluene-d8	1.2209	1.1742	.05	-4	30
4-bromofluorobenzene	.85143	.83925	.05	-1	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1325990
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith Leclair
Phone:	(603) 606-4818
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	12/30/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325990
Report Date: 12/30/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325990-01	MIP15 (0-2)	NEW BEDFORD, MA	12/19/13 14:00
L1325990-02	MIP15 (3-5)	NEW BEDFORD, MA	12/19/13 14:01
L1325990-03	MIP15 (8)	NEW BEDFORD, MA	12/19/13 14:02
L1325990-04	MIP15 (8-10)	NEW BEDFORD, MA	12/19/13 14:03
L1325990-05	MIP15 (13-15)	NEW BEDFORD, MA	12/19/13 14:04
L1325990-06	MIP15 (18-20)	NEW BEDFORD, MA	12/19/13 14:05
L1325990-07	MIP15 (21.5-22.5)	NEW BEDFORD, MA	12/19/13 14:06
L1325990-08	MIP15 (24)	NEW BEDFORD, MA	12/19/13 14:07
L1325990-09	DUP-05	NEW BEDFORD, MA	12/19/13 14:08
L1325990-10	MIP15 (26)	NEW BEDFORD, MA	12/19/13 14:09
L1325990-11	MIP15 (28-30)	NEW BEDFORD, MA	12/19/13 14:10
L1325990-12	TB-13	NEW BEDFORD, MA	12/19/13 00:00
L1325990-13	MIP23 (0-2)	NEW BEDFORD, MA	12/20/13 09:00
L1325990-14	MIP23 (4-5)	NEW BEDFORD, MA	12/20/13 09:01
L1325990-15	MIP23 (5-6)	NEW BEDFORD, MA	12/20/13 09:02
L1325990-16	MIP23 (8-10)	NEW BEDFORD, MA	12/20/13 09:03
L1325990-17	MIP23 (13-15)	NEW BEDFORD, MA	12/20/13 09:04
L1325990-18	MIP23 (18-20)	NEW BEDFORD, MA	12/20/13 09:05
L1325990-19	MIP23 (21)	NEW BEDFORD, MA	12/20/13 09:06
L1325990-20	MIP23 (26)	NEW BEDFORD, MA	12/20/13 09:07
L1325990-21	B08BC (0-2)	NEW BEDFORD, MA	12/20/13 10:50
L1325990-22	B08BC (3-5)	NEW BEDFORD, MA	12/20/13 10:51
L1325990-23	B08BC (5-6)	NEW BEDFORD, MA	12/20/13 10:52
L1325990-24	B08BC (13-15)	NEW BEDFORD, MA	12/20/13 10:53
L1325990-25	B08BC (18-20)	NEW BEDFORD, MA	12/20/13 10:54
L1325990-26	B08BC (23-25)	NEW BEDFORD, MA	12/20/13 10:55
L1325990-27	B08BC (28-30)	NEW BEDFORD, MA	12/20/13 10:56
L1325990-28	B08BC (31-33)	NEW BEDFORD, MA	12/20/13 10:57
L1325990-29	MIP43 (0-2)	NEW BEDFORD, MA	12/20/13 12:00
L1325990-30	MIP43 (4)	NEW BEDFORD, MA	12/20/13 12:01
L1325990-31	MIP43 (8-10)	NEW BEDFORD, MA	12/20/13 12:02

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1325990-32	MIP43 (14-15)	NEW BEDFORD, MA	12/20/13 12:03
L1325990-33	MIP43 (18-20)	NEW BEDFORD, MA	12/20/13 12:04

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

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

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325990
Report Date: 12/30/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325990
Report Date: 12/30/13

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

L1325990-03: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

In reference to question G:

L1325990-03, -08, -09, -14, -15, -30: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The WG662083-4/-5 MS/MSD recoveries, performed on L1325990-30, are below the acceptance criteria for chloroethane (41%/40%); however, the associated LCS/LCSD recoveries are within overall method allowances. The result of the sample utilized for the MS/MSD is considered to have a potentially low bias for this compound. The initial calibration, associated with L1325990-03, -04, -08, -09, -12, -14, -15, -23, and -30, did not meet the method required minimum response factor on the lowest calibration standard for 1,4-dioxane (0.00214) as well as the average response factor for 1,4-dioxane. In addition, a quadratic fit was utilized for chloroethane. The continuing calibration standards, associated with L1325990-03, -04, -08, -09, -12, -14, -15, -23, and -30, 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.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

L1325990-13 and -15 contain peaks which match the retention times for Aroclor 1242, but do not match the area ratios typical for this aroclor. The results for Aroclor 1242 are reported as "weathered".

In reference to question G:

L1325990-01, -08, -09, -13, -14, -15, -21, and -29: One or more of the target analytes did not achieve the requested CAM reporting limits.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325990
Report Date: 12/30/13

Case Narrative (continued)

In reference to question H:

The surrogate recoveries for L1325990-01, -08, -09, -13, -14, -15, -21, and -29 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The MS/MSD requested on L1325990-21 was not analyzed because the dilution required by the elevated concentrations of target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

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:  Cynthia McQueen

Title: Technical Director/Representative

Date: 12/30/13

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-03
Client ID: MIP15 (8)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/21/13 15:04
Analyst: JC
Percent Solids: 47%

Date Collected: 12/19/13 14:02
Date Received: 12/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2600	--	1
1,1-Dichloroethane	ND		ug/kg	380	--	1
Chloroform	ND		ug/kg	380	--	1
Carbon tetrachloride	ND		ug/kg	260	--	1
1,2-Dichloropropane	ND		ug/kg	900	--	1
Dibromochloromethane	ND		ug/kg	260	--	1
1,1,2-Trichloroethane	ND		ug/kg	380	--	1
Tetrachloroethene	ND		ug/kg	260	--	1
Chlorobenzene	ND		ug/kg	260	--	1
1,2-Dichloroethane	ND		ug/kg	260	--	1
1,1,1-Trichloroethane	ND		ug/kg	260	--	1
Bromodichloromethane	ND		ug/kg	260	--	1
trans-1,3-Dichloropropene	ND		ug/kg	260	--	1
cis-1,3-Dichloropropene	ND		ug/kg	260	--	1
Bromoform	ND		ug/kg	1000	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	260	--	1
Chloromethane	ND		ug/kg	1000	--	1
Vinyl chloride	ND		ug/kg	510	--	1
Chloroethane	ND		ug/kg	510	--	1
1,1-Dichloroethene	ND		ug/kg	260	--	1
trans-1,2-Dichloroethene	ND		ug/kg	380	--	1
Trichloroethene	ND		ug/kg	260	--	1
1,2-Dichlorobenzene	ND		ug/kg	1000	--	1
1,3-Dichlorobenzene	ND		ug/kg	1000	--	1
1,4-Dichlorobenzene	ND		ug/kg	1000	--	1
cis-1,2-Dichloroethene	ND		ug/kg	260	--	1
Dichlorodifluoromethane	ND		ug/kg	2600	--	1
1,2-Dibromoethane	ND		ug/kg	1000	--	1
1,3-Dichloropropane	ND		ug/kg	1000	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	260	--	1
o-Chlorotoluene	ND		ug/kg	1000	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-03

Date Collected: 12/19/13 14:02

Client ID: MIP15 (8)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	1000	--	1
Hexachlorobutadiene	ND		ug/kg	1000	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-04
Client ID: MIP15 (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/21/13 16:01
Analyst: JC
Percent Solids: 59%

Date Collected: 12/19/13 14:03
Date Received: 12/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	28	--	1
1,1-Dichloroethane	ND		ug/kg	4.2	--	1
Chloroform	ND		ug/kg	4.2	--	1
Carbon tetrachloride	ND		ug/kg	2.8	--	1
1,2-Dichloropropane	ND		ug/kg	9.8	--	1
Dibromochloromethane	ND		ug/kg	2.8	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	--	1
Tetrachloroethene	ND		ug/kg	2.8	--	1
Chlorobenzene	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	2.8	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	--	1
Bromodichloromethane	ND		ug/kg	2.8	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	--	1
Chloromethane	ND		ug/kg	11	--	1
Vinyl chloride	ND		ug/kg	5.6	--	1
Chloroethane	ND		ug/kg	5.6	--	1
1,1-Dichloroethene	ND		ug/kg	2.8	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	--	1
Trichloroethene	12		ug/kg	2.8	--	1
1,2-Dichlorobenzene	ND		ug/kg	11	--	1
1,3-Dichlorobenzene	ND		ug/kg	11	--	1
1,4-Dichlorobenzene	ND		ug/kg	11	--	1
cis-1,2-Dichloroethene	9.8		ug/kg	2.8	--	1
Dichlorodifluoromethane	ND		ug/kg	28	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	11	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	--	1
o-Chlorotoluene	ND		ug/kg	11	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-04

Date Collected: 12/19/13 14:03

Client ID: MIP15 (8-10)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	11	--	1
Hexachlorobutadiene	ND		ug/kg	11	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	11	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-08 D
 Client ID: MIP15 (24)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/21/13 14:07
 Analyst: JC
 Percent Solids: 90%

Date Collected: 12/19/13 14:07
 Date Received: 12/20/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	120000	--	200
1,1-Dichloroethane	ND		ug/kg	18000	--	200
Chloroform	ND		ug/kg	18000	--	200
Carbon tetrachloride	ND		ug/kg	12000	--	200
1,2-Dichloropropane	ND		ug/kg	41000	--	200
Dibromochloromethane	ND		ug/kg	12000	--	200
1,1,2-Trichloroethane	ND		ug/kg	18000	--	200
Tetrachloroethene	450000		ug/kg	12000	--	200
Chlorobenzene	ND		ug/kg	12000	--	200
1,2-Dichloroethane	ND		ug/kg	12000	--	200
1,1,1-Trichloroethane	ND		ug/kg	12000	--	200
Bromodichloromethane	ND		ug/kg	12000	--	200
trans-1,3-Dichloropropene	ND		ug/kg	12000	--	200
cis-1,3-Dichloropropene	ND		ug/kg	12000	--	200
Bromoform	ND		ug/kg	47000	--	200
1,1,2,2-Tetrachloroethane	ND		ug/kg	12000	--	200
Chloromethane	ND		ug/kg	47000	--	200
Vinyl chloride	ND		ug/kg	24000	--	200
Chloroethane	ND		ug/kg	24000	--	200
1,1-Dichloroethene	ND		ug/kg	12000	--	200
trans-1,2-Dichloroethene	ND		ug/kg	18000	--	200
Trichloroethene	1600000		ug/kg	12000	--	200
1,2-Dichlorobenzene	ND		ug/kg	47000	--	200
1,3-Dichlorobenzene	ND		ug/kg	47000	--	200
1,4-Dichlorobenzene	ND		ug/kg	47000	--	200
cis-1,2-Dichloroethene	24000		ug/kg	12000	--	200
Dichlorodifluoromethane	ND		ug/kg	120000	--	200
1,2-Dibromoethane	ND		ug/kg	47000	--	200
1,3-Dichloropropane	ND		ug/kg	47000	--	200
1,1,1,2-Tetrachloroethane	ND		ug/kg	12000	--	200
o-Chlorotoluene	ND		ug/kg	47000	--	200

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-08 D

Date Collected: 12/19/13 14:07

Client ID: MIP15 (24)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	47000	--	200
Hexachlorobutadiene	ND		ug/kg	47000	--	200
1,2,4-Trichlorobenzene	120000		ug/kg	47000	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-09 D
Client ID: DUP-05
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/27/13 14:17
Analyst: BN
Percent Solids: 91%

Date Collected: 12/19/13 14:08
Date Received: 12/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2900	--	4
1,1-Dichloroethane	ND		ug/kg	430	--	4
Chloroform	ND		ug/kg	430	--	4
Carbon tetrachloride	ND		ug/kg	290	--	4
1,2-Dichloropropane	ND		ug/kg	1000	--	4
Dibromochloromethane	ND		ug/kg	290	--	4
1,1,2-Trichloroethane	ND		ug/kg	430	--	4
Tetrachloroethene	6900		ug/kg	290	--	4
Chlorobenzene	ND		ug/kg	290	--	4
1,2-Dichloroethane	ND		ug/kg	290	--	4
1,1,1-Trichloroethane	ND		ug/kg	290	--	4
Bromodichloromethane	ND		ug/kg	290	--	4
trans-1,3-Dichloropropene	ND		ug/kg	290	--	4
cis-1,3-Dichloropropene	ND		ug/kg	290	--	4
Bromoform	ND		ug/kg	1200	--	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	290	--	4
Chloromethane	ND		ug/kg	1200	--	4
Vinyl chloride	ND		ug/kg	580	--	4
Chloroethane	ND		ug/kg	580	--	4
1,1-Dichloroethene	ND		ug/kg	290	--	4
trans-1,2-Dichloroethene	ND		ug/kg	430	--	4
Trichloroethene	19000		ug/kg	290	--	4
1,2-Dichlorobenzene	ND		ug/kg	1200	--	4
1,3-Dichlorobenzene	ND		ug/kg	1200	--	4
1,4-Dichlorobenzene	ND		ug/kg	1200	--	4
cis-1,2-Dichloroethene	500		ug/kg	290	--	4
Dichlorodifluoromethane	ND		ug/kg	2900	--	4
1,2-Dibromoethane	ND		ug/kg	1200	--	4
1,3-Dichloropropane	ND		ug/kg	1200	--	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	290	--	4
o-Chlorotoluene	ND		ug/kg	1200	--	4

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-09 D

Date Collected: 12/19/13 14:08

Client ID: DUP-05

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	1200	--	4
Hexachlorobutadiene	ND		ug/kg	1200	--	4
1,2,4-Trichlorobenzene	6100		ug/kg	1200	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-12
 Client ID: TB-13
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/27/13 12:24
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/19/13 00:00
 Date Received: 12/20/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-12

Date Collected: 12/19/13 00:00

Client ID: TB-13

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-12
 Client ID: TB-13
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/27/13 14:45
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 12/19/13 00:00
 Date Received: 12/20/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-12

Date Collected: 12/19/13 00:00

Client ID: TB-13

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-14 D
 Client ID: MIP23 (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 12/21/13 14:36
 Analyst: JC
 Percent Solids: 63%

Date Collected: 12/20/13 09:01
 Date Received: 12/20/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7200	--	4
1,1-Dichloroethane	ND		ug/kg	1100	--	4
Chloroform	ND		ug/kg	1100	--	4
Carbon tetrachloride	ND		ug/kg	720	--	4
1,2-Dichloropropane	ND		ug/kg	2500	--	4
Dibromochloromethane	ND		ug/kg	720	--	4
1,1,2-Trichloroethane	ND		ug/kg	1100	--	4
Tetrachloroethene	ND		ug/kg	720	--	4
Chlorobenzene	56000		ug/kg	720	--	4
1,2-Dichloroethane	ND		ug/kg	720	--	4
1,1,1-Trichloroethane	ND		ug/kg	720	--	4
Bromodichloromethane	ND		ug/kg	720	--	4
trans-1,3-Dichloropropene	ND		ug/kg	720	--	4
cis-1,3-Dichloropropene	ND		ug/kg	720	--	4
Bromoform	ND		ug/kg	2900	--	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	720	--	4
Chloromethane	ND		ug/kg	2900	--	4
Vinyl chloride	ND		ug/kg	1400	--	4
Chloroethane	ND		ug/kg	1400	--	4
1,1-Dichloroethene	ND		ug/kg	720	--	4
trans-1,2-Dichloroethene	ND		ug/kg	1100	--	4
Trichloroethene	ND		ug/kg	720	--	4
1,2-Dichlorobenzene	ND		ug/kg	2900	--	4
1,3-Dichlorobenzene	10000		ug/kg	2900	--	4
1,4-Dichlorobenzene	32000		ug/kg	2900	--	4
cis-1,2-Dichloroethene	ND		ug/kg	720	--	4
Dichlorodifluoromethane	ND		ug/kg	7200	--	4
1,2-Dibromoethane	ND		ug/kg	2900	--	4
1,3-Dichloropropane	ND		ug/kg	2900	--	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	720	--	4
o-Chlorotoluene	ND		ug/kg	2900	--	4

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-14 D

Date Collected: 12/20/13 09:01

Client ID: MIP23 (4-5)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2900	--	4
Hexachlorobutadiene	ND		ug/kg	2900	--	4
1,2,4-Trichlorobenzene	ND		ug/kg	2900	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-15
Client ID: MIP23 (5-6)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/21/13 15:32
Analyst: JC
Percent Solids: 78%

Date Collected: 12/20/13 09:02
Date Received: 12/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	--	1
1,1-Dichloroethane	ND		ug/kg	160	--	1
Chloroform	ND		ug/kg	160	--	1
Carbon tetrachloride	ND		ug/kg	100	--	1
1,2-Dichloropropane	ND		ug/kg	370	--	1
Dibromochloromethane	ND		ug/kg	100	--	1
1,1,2-Trichloroethane	ND		ug/kg	160	--	1
Tetrachloroethene	ND		ug/kg	100	--	1
Chlorobenzene	4100		ug/kg	100	--	1
1,2-Dichloroethane	ND		ug/kg	100	--	1
1,1,1-Trichloroethane	ND		ug/kg	100	--	1
Bromodichloromethane	ND		ug/kg	100	--	1
trans-1,3-Dichloropropene	ND		ug/kg	100	--	1
cis-1,3-Dichloropropene	ND		ug/kg	100	--	1
Bromoform	ND		ug/kg	420	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	--	1
Chloromethane	ND		ug/kg	420	--	1
Vinyl chloride	ND		ug/kg	210	--	1
Chloroethane	ND		ug/kg	210	--	1
1,1-Dichloroethene	ND		ug/kg	100	--	1
trans-1,2-Dichloroethene	ND		ug/kg	160	--	1
Trichloroethene	ND		ug/kg	100	--	1
1,2-Dichlorobenzene	ND		ug/kg	420	--	1
1,3-Dichlorobenzene	860		ug/kg	420	--	1
1,4-Dichlorobenzene	2400		ug/kg	420	--	1
cis-1,2-Dichloroethene	ND		ug/kg	100	--	1
Dichlorodifluoromethane	ND		ug/kg	1000	--	1
1,2-Dibromoethane	ND		ug/kg	420	--	1
1,3-Dichloropropane	ND		ug/kg	420	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	420	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-15

Date Collected: 12/20/13 09:02

Client ID: MIP23 (5-6)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	420	--	1
Hexachlorobutadiene	ND		ug/kg	420	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	420	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-23
Client ID: B08BC (5-6)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/27/13 11:56
Analyst: BN
Percent Solids: 29%

Date Collected: 12/20/13 10:52
Date Received: 12/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	74	--	1
1,1-Dichloroethane	ND		ug/kg	11	--	1
Chloroform	ND		ug/kg	11	--	1
Carbon tetrachloride	ND		ug/kg	7.4	--	1
1,2-Dichloropropane	ND		ug/kg	26	--	1
Dibromochloromethane	ND		ug/kg	7.4	--	1
1,1,2-Trichloroethane	ND		ug/kg	11	--	1
Tetrachloroethene	ND		ug/kg	7.4	--	1
Chlorobenzene	ND		ug/kg	7.4	--	1
1,2-Dichloroethane	ND		ug/kg	7.4	--	1
1,1,1-Trichloroethane	ND		ug/kg	7.4	--	1
Bromodichloromethane	ND		ug/kg	7.4	--	1
trans-1,3-Dichloropropene	ND		ug/kg	7.4	--	1
cis-1,3-Dichloropropene	ND		ug/kg	7.4	--	1
Bromoform	ND		ug/kg	30	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	7.4	--	1
Chloromethane	ND		ug/kg	30	--	1
Vinyl chloride	ND		ug/kg	15	--	1
Chloroethane	ND		ug/kg	15	--	1
1,1-Dichloroethene	ND		ug/kg	7.4	--	1
trans-1,2-Dichloroethene	ND		ug/kg	11	--	1
Trichloroethene	26		ug/kg	7.4	--	1
1,2-Dichlorobenzene	ND		ug/kg	30	--	1
1,3-Dichlorobenzene	ND		ug/kg	30	--	1
1,4-Dichlorobenzene	ND		ug/kg	30	--	1
cis-1,2-Dichloroethene	ND		ug/kg	7.4	--	1
Dichlorodifluoromethane	ND		ug/kg	74	--	1
1,2-Dibromoethane	ND		ug/kg	30	--	1
1,3-Dichloropropane	ND		ug/kg	30	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	7.4	--	1
o-Chlorotoluene	ND		ug/kg	30	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-23

Date Collected: 12/20/13 10:52

Client ID: B08BC (5-6)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	30	--	1
Hexachlorobutadiene	ND		ug/kg	30	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	30	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-30
Client ID: MIP43 (4)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/27/13 15:13
Analyst: BN
Percent Solids: 89%

Date Collected: 12/20/13 12:01
Date Received: 12/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1100	--	1
1,1-Dichloroethane	ND		ug/kg	160	--	1
Chloroform	ND		ug/kg	160	--	1
Carbon tetrachloride	ND		ug/kg	110	--	1
1,2-Dichloropropane	ND		ug/kg	380	--	1
Dibromochloromethane	ND		ug/kg	110	--	1
1,1,2-Trichloroethane	ND		ug/kg	160	--	1
Tetrachloroethene	ND		ug/kg	110	--	1
Chlorobenzene	ND		ug/kg	110	--	1
1,2-Dichloroethane	ND		ug/kg	110	--	1
1,1,1-Trichloroethane	ND		ug/kg	110	--	1
Bromodichloromethane	ND		ug/kg	110	--	1
trans-1,3-Dichloropropene	ND		ug/kg	110	--	1
cis-1,3-Dichloropropene	ND		ug/kg	110	--	1
Bromoform	ND		ug/kg	430	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	110	--	1
Chloromethane	ND		ug/kg	430	--	1
Vinyl chloride	ND		ug/kg	220	--	1
Chloroethane	ND		ug/kg	220	--	1
1,1-Dichloroethene	ND		ug/kg	110	--	1
trans-1,2-Dichloroethene	ND		ug/kg	160	--	1
Trichloroethene	2400		ug/kg	110	--	1
1,2-Dichlorobenzene	ND		ug/kg	430	--	1
1,3-Dichlorobenzene	ND		ug/kg	430	--	1
1,4-Dichlorobenzene	ND		ug/kg	430	--	1
cis-1,2-Dichloroethene	440		ug/kg	110	--	1
Dichlorodifluoromethane	ND		ug/kg	1100	--	1
1,2-Dibromoethane	ND		ug/kg	430	--	1
1,3-Dichloropropane	ND		ug/kg	430	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	110	--	1
o-Chlorotoluene	ND		ug/kg	430	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-30

Date Collected: 12/20/13 12:01

Client ID: MIP43 (4)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	430	--	1
Hexachlorobutadiene	ND		ug/kg	430	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	430	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/21/13 11:17
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03,08,14-15 Batch: WG661044-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/21/13 11:17
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03,08,14-15 Batch: WG661044-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/21/13 11:17
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03,08,14-15 Batch: WG661044-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/21/13 11:17
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG661047-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/21/13 11:17
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG661047-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--

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Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/21/13 11:17
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG661047-3					
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	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/27/13 08:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,23 Batch: WG662081-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX GEOPROBE

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Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 12/27/13 08:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,23 Batch: WG662081-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



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Analytical Method: 97,8260C
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 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,23 Batch: WG662081-3					
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	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX GEOPROBE

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Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
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 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09,12,30 Batch: WG662083-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

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**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 12/27/13 08:39
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09,12,30 Batch: WG662083-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

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**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 12/27/13 08:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09,12,30 Batch: WG662083-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,08,14-15 Batch: WG661044-1 WG661044-2								
Methylene chloride	94		95		70-130	1		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	97		99		70-130	2		20
Carbon tetrachloride	96		99		70-130	3		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	93		95		70-130	2		20
1,1,2-Trichloroethane	92		95		70-130	3		20
Tetrachloroethene	95		97		70-130	2		20
Chlorobenzene	92		94		70-130	2		20
Trichlorofluoromethane	104		108		70-130	4		20
1,2-Dichloroethane	92		95		70-130	3		20
1,1,1-Trichloroethane	96		98		70-130	2		20
Bromodichloromethane	96		99		70-130	3		20
trans-1,3-Dichloropropene	93		94		70-130	1		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	98		99		70-130	1		20
Bromoform	91		95		70-130	4		20
1,1,2,2-Tetrachloroethane	86		88		70-130	2		20
Benzene	90		91		70-130	1		20
Toluene	89		90		70-130	1		20
Ethylbenzene	89		90		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,08,14-15 Batch: WG661044-1 WG661044-2								
Chloromethane	103		104		70-130	1		20
Bromomethane	137	Q	137	Q	70-130	0		20
Vinyl chloride	107		109		70-130	2		20
Chloroethane	89		92		70-130	3		20
1,1-Dichloroethene	100		100		70-130	0		20
trans-1,2-Dichloroethene	97		97		70-130	0		20
Trichloroethene	96		97		70-130	1		20
1,2-Dichlorobenzene	93		94		70-130	1		20
1,3-Dichlorobenzene	94		95		70-130	1		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	94		97		70-130	3		20
p/m-Xylene	88		89		70-130	1		20
o-Xylene	91		92		70-130	1		20
cis-1,2-Dichloroethene	95		98		70-130	3		20
Dibromomethane	96		99		70-130	3		20
1,2,3-Trichloropropane	83		86		70-130	4		20
Styrene	93		96		70-130	3		20
Dichlorodifluoromethane	110		113		70-130	3		20
Acetone	108		92		70-130	16		20
Carbon disulfide	98		100		70-130	2		20
Methyl ethyl ketone	98		91		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,08,14-15 Batch: WG661044-1 WG661044-2								
Methyl isobutyl ketone	89		90		70-130	1		20
2-Hexanone	78		79		70-130	1		20
Bromochloromethane	101		103		70-130	2		20
Tetrahydrofuran	75		77		70-130	3		20
2,2-Dichloropropane	104		106		70-130	2		20
1,2-Dibromoethane	95		97		70-130	2		20
1,3-Dichloropropane	89		92		70-130	3		20
1,1,1,2-Tetrachloroethane	94		95		70-130	1		20
Bromobenzene	94		95		70-130	1		20
n-Butylbenzene	92		92		70-130	0		20
sec-Butylbenzene	91		92		70-130	1		20
tert-Butylbenzene	95		96		70-130	1		20
o-Chlorotoluene	93		94		70-130	1		20
p-Chlorotoluene	90		92		70-130	2		20
1,2-Dibromo-3-chloropropane	88		95		70-130	8		20
Hexachlorobutadiene	97		98		70-130	1		20
Isopropylbenzene	90		91		70-130	1		20
p-Isopropyltoluene	96		98		70-130	2		20
Naphthalene	90		95		70-130	5		20
n-Propylbenzene	91		92		70-130	1		20
1,2,3-Trichlorobenzene	92		97		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,08,14-15 Batch: WG661044-1 WG661044-2								
1,2,4-Trichlorobenzene	96		100		70-130	4		20
1,3,5-Trimethylbenzene	91		92		70-130	1		20
1,2,4-Trimethylbenzene	92		93		70-130	1		20
Diethyl ether	98		101		70-130	3		20
Diisopropyl Ether	85		87		70-130	2		20
Ethyl-Tert-Butyl-Ether	97		99		70-130	2		20
Tertiary-Amyl Methyl Ether	95		98		70-130	3		20
1,4-Dioxane	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG661047-1 WG661047-2								
Methylene chloride	94		95		70-130	1		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	97		99		70-130	2		20
Carbon tetrachloride	96		99		70-130	3		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	93		95		70-130	2		20
1,1,2-Trichloroethane	92		95		70-130	3		20
Tetrachloroethene	95		97		70-130	2		20
Chlorobenzene	92		94		70-130	2		20
Trichlorofluoromethane	104		108		70-130	4		20
1,2-Dichloroethane	92		95		70-130	3		20
1,1,1-Trichloroethane	96		98		70-130	2		20
Bromodichloromethane	96		99		70-130	3		20
trans-1,3-Dichloropropene	93		94		70-130	1		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	98		99		70-130	1		20
Bromoform	91		95		70-130	4		20
1,1,2,2-Tetrachloroethane	86		88		70-130	2		20
Benzene	90		91		70-130	1		20
Toluene	89		90		70-130	1		20
Ethylbenzene	89		90		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG661047-1 WG661047-2								
Chloromethane	103		104		70-130	1		20
Bromomethane	137	Q	137	Q	70-130	0		20
Vinyl chloride	107		109		70-130	2		20
Chloroethane	89		92		70-130	3		20
1,1-Dichloroethene	100		100		70-130	0		20
trans-1,2-Dichloroethene	97		97		70-130	0		20
Trichloroethene	96		97		70-130	1		20
1,2-Dichlorobenzene	93		94		70-130	1		20
1,3-Dichlorobenzene	94		95		70-130	1		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	94		97		70-130	3		20
p/m-Xylene	88		89		70-130	1		20
o-Xylene	91		92		70-130	1		20
cis-1,2-Dichloroethene	95		98		70-130	3		20
Dibromomethane	96		99		70-130	3		20
1,2,3-Trichloropropane	83		86		70-130	4		20
Styrene	93		96		70-130	3		20
Dichlorodifluoromethane	110		113		70-130	3		20
Acetone	108		92		70-130	16		20
Carbon disulfide	98		100		70-130	2		20
Methyl ethyl ketone	98		91		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG661047-1 WG661047-2								
Methyl isobutyl ketone	89		90		70-130	1		20
2-Hexanone	78		79		70-130	1		20
Bromochloromethane	101		103		70-130	2		20
Tetrahydrofuran	75		77		70-130	3		20
2,2-Dichloropropane	104		106		70-130	2		20
1,2-Dibromoethane	95		97		70-130	2		20
1,3-Dichloropropane	89		92		70-130	3		20
1,1,1,2-Tetrachloroethane	94		95		70-130	1		20
Bromobenzene	94		95		70-130	1		20
n-Butylbenzene	92		92		70-130	0		20
sec-Butylbenzene	91		92		70-130	1		20
tert-Butylbenzene	95		96		70-130	1		20
o-Chlorotoluene	93		94		70-130	1		20
p-Chlorotoluene	90		92		70-130	2		20
1,2-Dibromo-3-chloropropane	88		95		70-130	8		20
Hexachlorobutadiene	97		98		70-130	1		20
Isopropylbenzene	90		91		70-130	1		20
p-Isopropyltoluene	96		98		70-130	2		20
Naphthalene	90		95		70-130	5		20
n-Propylbenzene	91		92		70-130	1		20
1,2,3-Trichlorobenzene	92		97		70-130	5		20

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Project Number: 39744051.10003

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG661047-1 WG661047-2								
1,2,4-Trichlorobenzene	96		100		70-130	4		20
1,3,5-Trimethylbenzene	91		92		70-130	1		20
1,2,4-Trimethylbenzene	92		93		70-130	1		20
Diethyl ether	98		101		70-130	3		20
Diisopropyl Ether	85		87		70-130	2		20
Ethyl-Tert-Butyl-Ether	97		99		70-130	2		20
Tertiary-Amyl Methyl Ether	95		98		70-130	3		20
1,4-Dioxane	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		98		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,23 Batch: WG662081-1 WG662081-2								
Methylene chloride	91		88		70-130	3		20
1,1-Dichloroethane	94		88		70-130	7		20
Chloroform	96		91		70-130	5		20
Carbon tetrachloride	98		90		70-130	9		20
1,2-Dichloropropane	96		92		70-130	4		20
Dibromochloromethane	91		87		70-130	4		20
1,1,2-Trichloroethane	89		85		70-130	5		20
Tetrachloroethene	93		83		70-130	11		20
Chlorobenzene	88		83		70-130	6		20
Trichlorofluoromethane	110		99		70-130	11		20
1,2-Dichloroethane	94		92		70-130	2		20
1,1,1-Trichloroethane	96		88		70-130	9		20
Bromodichloromethane	97		93		70-130	4		20
trans-1,3-Dichloropropene	88		84		70-130	5		20
cis-1,3-Dichloropropene	94		90		70-130	4		20
1,1-Dichloropropene	95		87		70-130	9		20
Bromoform	88		85		70-130	3		20
1,1,2,2-Tetrachloroethane	78		76		70-130	3		20
Benzene	87		82		70-130	6		20
Toluene	84		78		70-130	7		20
Ethylbenzene	84		78		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

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Project Number: 39744051.10003

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,23 Batch: WG662081-1 WG662081-2								
Chloromethane	97		88		70-130	10		20
Bromomethane	136	Q	127		70-130	7		20
Vinyl chloride	102		91		70-130	11		20
Chloroethane	85		78		70-130	9		20
1,1-Dichloroethene	94		86		70-130	9		20
trans-1,2-Dichloroethene	94		87		70-130	8		20
Trichloroethene	94		86		70-130	9		20
1,2-Dichlorobenzene	87		83		70-130	5		20
1,3-Dichlorobenzene	88		82		70-130	7		20
1,4-Dichlorobenzene	88		82		70-130	7		20
Methyl tert butyl ether	92		92		70-130	0		20
p/m-Xylene	84		77		70-130	9		20
o-Xylene	86		81		70-130	6		20
cis-1,2-Dichloroethene	94		89		70-130	5		20
Dibromomethane	95		93		70-130	2		20
1,2,3-Trichloropropane	78		74		70-130	5		20
Styrene	89		84		70-130	6		20
Dichlorodifluoromethane	109		98		70-130	11		20
Acetone	136	Q	110		70-130	21	Q	20
Carbon disulfide	90		81		70-130	11		20
Methyl ethyl ketone	105		90		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,23 Batch: WG662081-1 WG662081-2								
Methyl isobutyl ketone	88		85		70-130	3		20
2-Hexanone	83		73		70-130	13		20
Bromochloromethane	104		97		70-130	7		20
Tetrahydrofuran	73		83		70-130	13		20
2,2-Dichloropropane	103		94		70-130	9		20
1,2-Dibromoethane	92		88		70-130	4		20
1,3-Dichloropropane	84		82		70-130	2		20
1,1,1,2-Tetrachloroethane	92		88		70-130	4		20
Bromobenzene	89		83		70-130	7		20
n-Butylbenzene	83		75		70-130	10		20
sec-Butylbenzene	83		75		70-130	10		20
tert-Butylbenzene	88		81		70-130	8		20
o-Chlorotoluene	65	Q	80		70-130	21	Q	20
p-Chlorotoluene	84		78		70-130	7		20
1,2-Dibromo-3-chloropropane	84		82		70-130	2		20
Hexachlorobutadiene	90		81		70-130	11		20
Isopropylbenzene	83		76		70-130	9		20
p-Isopropyltoluene	90		82		70-130	9		20
Naphthalene	83		81		70-130	2		20
n-Propylbenzene	83		75		70-130	10		20
1,2,3-Trichlorobenzene	87		85		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

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Project Number: 39744051.10003

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,23 Batch: WG662081-1 WG662081-2								
1,2,4-Trichlorobenzene	91		87		70-130	4		20
1,3,5-Trimethylbenzene	84		77		70-130	9		20
1,2,4-Trimethylbenzene	86		79		70-130	8		20
Diethyl ether	94		93		70-130	1		20
Diisopropyl Ether	83		81		70-130	2		20
Ethyl-Tert-Butyl-Ether	95		93		70-130	2		20
Tertiary-Amyl Methyl Ether	93		91		70-130	2		20
1,4-Dioxane	86		83		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	103		104		70-130

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,12,30 Batch: WG662083-1 WG662083-2								
Methylene chloride	91		88		70-130	3		20
1,1-Dichloroethane	94		88		70-130	7		20
Chloroform	96		91		70-130	5		20
Carbon tetrachloride	98		90		70-130	9		20
1,2-Dichloropropane	96		92		70-130	4		20
Dibromochloromethane	91		87		70-130	4		20
1,1,2-Trichloroethane	89		85		70-130	5		20
Tetrachloroethene	93		83		70-130	11		20
Chlorobenzene	88		83		70-130	6		20
Trichlorofluoromethane	110		99		70-130	11		20
1,2-Dichloroethane	94		92		70-130	2		20
1,1,1-Trichloroethane	96		88		70-130	9		20
Bromodichloromethane	97		93		70-130	4		20
trans-1,3-Dichloropropene	88		84		70-130	5		20
cis-1,3-Dichloropropene	94		90		70-130	4		20
1,1-Dichloropropene	95		87		70-130	9		20
Bromoform	88		85		70-130	3		20
1,1,2,2-Tetrachloroethane	78		76		70-130	3		20
Benzene	87		82		70-130	6		20
Toluene	84		78		70-130	7		20
Ethylbenzene	84		78		70-130	7		20

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,12,30 Batch: WG662083-1 WG662083-2								
Chloromethane	97		88		70-130	10		20
Bromomethane	136	Q	127		70-130	7		20
Vinyl chloride	102		91		70-130	11		20
Chloroethane	85		78		70-130	9		20
1,1-Dichloroethene	94		86		70-130	9		20
trans-1,2-Dichloroethene	94		87		70-130	8		20
Trichloroethene	94		86		70-130	9		20
1,2-Dichlorobenzene	87		83		70-130	5		20
1,3-Dichlorobenzene	88		82		70-130	7		20
1,4-Dichlorobenzene	88		82		70-130	7		20
Methyl tert butyl ether	92		92		70-130	0		20
p/m-Xylene	84		77		70-130	9		20
o-Xylene	86		81		70-130	6		20
cis-1,2-Dichloroethene	94		89		70-130	5		20
Dibromomethane	95		93		70-130	2		20
1,2,3-Trichloropropane	78		74		70-130	5		20
Styrene	89		84		70-130	6		20
Dichlorodifluoromethane	109		98		70-130	11		20
Acetone	136	Q	110		70-130	21	Q	20
Carbon disulfide	90		81		70-130	11		20
Methyl ethyl ketone	105		90		70-130	15		20

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Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,12,30 Batch: WG662083-1 WG662083-2								
Methyl isobutyl ketone	88		85		70-130	3		20
2-Hexanone	83		73		70-130	13		20
Bromochloromethane	104		97		70-130	7		20
Tetrahydrofuran	73		83		70-130	13		20
2,2-Dichloropropane	103		94		70-130	9		20
1,2-Dibromoethane	92		88		70-130	4		20
1,3-Dichloropropane	84		82		70-130	2		20
1,1,1,2-Tetrachloroethane	92		88		70-130	4		20
Bromobenzene	89		83		70-130	7		20
n-Butylbenzene	83		75		70-130	10		20
sec-Butylbenzene	83		75		70-130	10		20
tert-Butylbenzene	88		81		70-130	8		20
o-Chlorotoluene	65	Q	80		70-130	21	Q	20
p-Chlorotoluene	84		78		70-130	7		20
1,2-Dibromo-3-chloropropane	84		82		70-130	2		20
Hexachlorobutadiene	90		81		70-130	11		20
Isopropylbenzene	83		76		70-130	9		20
p-Isopropyltoluene	90		82		70-130	9		20
Naphthalene	83		81		70-130	2		20
n-Propylbenzene	83		75		70-130	10		20
1,2,3-Trichlorobenzene	87		85		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,12,30 Batch: WG662083-1 WG662083-2								
1,2,4-Trichlorobenzene	91		87		70-130	4		20
1,3,5-Trimethylbenzene	84		77		70-130	9		20
1,2,4-Trimethylbenzene	86		79		70-130	8		20
Diethyl ether	94		93		70-130	1		20
Diisopropyl Ether	83		81		70-130	2		20
Ethyl-Tert-Butyl-Ether	95		93		70-130	2		20
Tertiary-Amyl Methyl Ether	93		91		70-130	2		20
1,4-Dioxane	86		83		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	103		104		70-130



Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,12,30 QC Batch ID: WG662083-4 WG662083-5 QC Sample: L1325990-30 Client ID: MIP43 (4)												
Methylene chloride	ND	2170	2100	96		2000	92		70-130	4		30
1,1-Dichloroethane	ND	2170	1900	87		1800	84		70-130	4		30
Chloroform	ND	2170	1900	88		1900	86		70-130	3		30
Carbon tetrachloride	ND	2170	1800	82		1700	80		70-130	3		30
1,2-Dichloropropane	ND	2170	2000	91		1900	88		70-130	4		30
Dibromochloromethane	ND	2170	1800	82		1700	80		70-130	3		30
1,1,2-Trichloroethane	ND	2170	1900	86		1800	82		70-130	5		30
Tetrachloroethene	ND	2170	1800	83		1700	79		70-130	6		30
Chlorobenzene	ND	2170	1800	81		1700	77		70-130	5		30
1,2-Dichloroethane	ND	2170	1900	88		1900	86		70-130	3		30
1,1,1-Trichloroethane	ND	2170	1900	85		1800	82		70-130	4		30
Bromodichloromethane	ND	2170	1900	88		1900	85		70-130	4		30
trans-1,3-Dichloropropene	ND	2170	1800	81		1700	77		70-130	5		30
cis-1,3-Dichloropropene	ND	2170	1900	87		1800	83		70-130	4		30
Bromoform	ND	2170	1800	82		1700	77		70-130	5		30
1,1,2,2-Tetrachloroethane	ND	2170	1700	78		1600	74		70-130	5		30
Chloromethane	ND	2170	1800	82		1700	80		70-130	3		30
Vinyl chloride	ND	2170	1800	85		1800	82		70-130	3		30
Chloroethane	ND	2170	890	41	Q	880	40	Q	70-130	2		30
1,1-Dichloroethene	ND	2170	1800	83		1800	81		70-130	3		30
trans-1,2-Dichloroethene	ND	2170	1900	86		1800	83		70-130	3		30

Matrix Spike Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325990
Report Date: 12/30/13

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09,12,30 QC Batch ID: WG662083-4 WG662083-5 QC Sample: L1325990-30 Client ID: MIP43 (4)												
Trichloroethene	2400	2170	4400	90		4200	82		70-130	4		30
1,2-Dichlorobenzene	ND	2170	1700	80		1700	76		70-130	5		30
1,3-Dichlorobenzene	ND	2170	1700	80		1600	75		70-130	7		30
1,4-Dichlorobenzene	ND	2170	1700	78		1600	74		70-130	5		30
cis-1,2-Dichloroethene	440	2170	2400	89		2300	85		70-130	3		30
Dichlorodifluoromethane	ND	2170	1700	76		1600	74		70-130	4		30
1,2-Dibromoethane	ND	2170	1900	88		1800	82		70-130	7		30
1,3-Dichloropropane	ND	2170	1800	82		1700	78		70-130	5		30
1,1,1,2-Tetrachloroethane	ND	2170	1800	83		1700	80		70-130	4		30
o-Chlorotoluene	ND	2170	1700	78		1600	75		70-130	5		30
p-Chlorotoluene	ND	2170	1700	77		1600	72		70-130	6		30
Hexachlorobutadiene	ND	2170	1800	81		1700	76		70-130	6		30
1,2,4-Trichlorobenzene	ND	2170	1800	81		1600	75		70-130	8		30

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichloroethane-d4	94		95		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	101		101		70-130
Toluene-d8	95		94		70-130



PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-01 D
 Client ID: MIP15 (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 16:41
 Analyst: JW
 Percent Solids: 93%

Date Collected: 12/19/13 14:00
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	8240	--	400	A
Aroclor 1221	ND		ug/kg	8240	--	400	A
Aroclor 1232	ND		ug/kg	8240	--	400	A
Aroclor 1242	ND		ug/kg	8240	--	400	A
Aroclor 1248	ND		ug/kg	5500	--	400	A
Aroclor 1254	150000		ug/kg	8240	--	400	B
Aroclor 1260	ND		ug/kg	5500	--	400	A
Aroclor 1262	ND		ug/kg	2750	--	400	A
Aroclor 1268	ND		ug/kg	2750	--	400	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-03
 Client ID: MIP15 (8)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/24/13 11:47
 Analyst: JW
 Percent Solids: 47%

Date Collected: 12/19/13 14:02
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.5	--	1	A
Aroclor 1221	ND		ug/kg	41.5	--	1	A
Aroclor 1232	ND		ug/kg	41.5	--	1	A
Aroclor 1242	ND		ug/kg	41.5	--	1	A
Aroclor 1248	ND		ug/kg	27.6	--	1	A
Aroclor 1254	ND		ug/kg	41.5	--	1	A
Aroclor 1260	ND		ug/kg	27.6	--	1	A
Aroclor 1262	ND		ug/kg	13.8	--	1	A
Aroclor 1268	ND		ug/kg	13.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	17	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	33		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-04
Client ID: MIP15 (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 12:00
Analyst: JW
Percent Solids: 59%

Date Collected: 12/19/13 14:03
Date Received: 12/20/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/21/13 13:49
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/23/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.9	--	1	A
Aroclor 1221	ND		ug/kg	32.9	--	1	A
Aroclor 1232	ND		ug/kg	32.9	--	1	A
Aroclor 1242	ND		ug/kg	32.9	--	1	A
Aroclor 1248	ND		ug/kg	21.9	--	1	A
Aroclor 1254	ND		ug/kg	32.9	--	1	A
Aroclor 1260	ND		ug/kg	21.9	--	1	A
Aroclor 1262	ND		ug/kg	11.0	--	1	A
Aroclor 1268	ND		ug/kg	11.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-08 D
 Client ID: MIP15 (24)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 16:54
 Analyst: JW
 Percent Solids: 90%

Date Collected: 12/19/13 14:07
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	419000	--	20000	A
Aroclor 1221	ND		ug/kg	419000	--	20000	A
Aroclor 1232	ND		ug/kg	419000	--	20000	A
Aroclor 1242	6710000		ug/kg	419000	--	20000	B
Aroclor 1248	ND		ug/kg	280000	--	20000	A
Aroclor 1254	2330000		ug/kg	419000	--	20000	A
Aroclor 1260	ND		ug/kg	280000	--	20000	A
Aroclor 1262	ND		ug/kg	140000	--	20000	A
Aroclor 1268	ND		ug/kg	140000	--	20000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-09 D
 Client ID: DUP-05
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 17:08
 Analyst: JW
 Percent Solids: 91%

Date Collected: 12/19/13 14:08
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	521000	--	25000	A
Aroclor 1221	ND		ug/kg	521000	--	25000	A
Aroclor 1232	ND		ug/kg	521000	--	25000	A
Aroclor 1242	5560000		ug/kg	521000	--	25000	B
Aroclor 1248	ND		ug/kg	347000	--	25000	A
Aroclor 1254	1920000		ug/kg	521000	--	25000	A
Aroclor 1260	ND		ug/kg	347000	--	25000	A
Aroclor 1262	ND		ug/kg	174000	--	25000	A
Aroclor 1268	ND		ug/kg	174000	--	25000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-13 D
 Client ID: MIP23 (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 17:21
 Analyst: JW
 Percent Solids: 82%

Date Collected: 12/20/13 09:00
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	118000	--	5000	A
Aroclor 1221	ND		ug/kg	118000	--	5000	A
Aroclor 1232	ND		ug/kg	118000	--	5000	A
Aroclor 1242	1220000		ug/kg	118000	--	5000	B
Aroclor 1248	ND		ug/kg	78500	--	5000	A
Aroclor 1254	246000		ug/kg	118000	--	5000	A
Aroclor 1260	ND		ug/kg	78500	--	5000	A
Aroclor 1262	ND		ug/kg	39300	--	5000	A
Aroclor 1268	ND		ug/kg	39300	--	5000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-14 D
 Client ID: MIP23 (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 15:49
 Analyst: JW
 Percent Solids: 63%

Date Collected: 12/20/13 09:01
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	30100	--	1000	A
Aroclor 1221	ND		ug/kg	30100	--	1000	A
Aroclor 1232	ND		ug/kg	30100	--	1000	A
Aroclor 1242	633000		ug/kg	30100	--	1000	B
Aroclor 1248	ND		ug/kg	20100	--	1000	A
Aroclor 1254	119000		ug/kg	30100	--	1000	B
Aroclor 1260	ND		ug/kg	20100	--	1000	A
Aroclor 1262	ND		ug/kg	10000	--	1000	A
Aroclor 1268	ND		ug/kg	10000	--	1000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-15 D
 Client ID: MIP23 (5-6)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 18:21
 Analyst: JW
 Percent Solids: 78%

Date Collected: 12/20/13 09:02
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	24800	--	1000	A
Aroclor 1221	ND		ug/kg	24800	--	1000	A
Aroclor 1232	ND		ug/kg	24800	--	1000	A
Aroclor 1242	422000		ug/kg	24800	--	1000	B
Aroclor 1248	ND		ug/kg	16600	--	1000	A
Aroclor 1254	111000		ug/kg	24800	--	1000	A
Aroclor 1260	ND		ug/kg	16600	--	1000	A
Aroclor 1262	ND		ug/kg	8280	--	1000	A
Aroclor 1268	ND		ug/kg	8280	--	1000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-21 D
 Client ID: B08BC (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 14:17
 Analyst: JW
 Percent Solids: 96%

Date Collected: 12/20/13 10:50
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	2050	--	100	A
Aroclor 1221	ND		ug/kg	2050	--	100	A
Aroclor 1232	ND		ug/kg	2050	--	100	A
Aroclor 1242	ND		ug/kg	2050	--	100	A
Aroclor 1248	ND		ug/kg	1370	--	100	A
Aroclor 1254	24000		ug/kg	2050	--	100	B
Aroclor 1260	ND		ug/kg	1370	--	100	A
Aroclor 1262	ND		ug/kg	684	--	100	A
Aroclor 1268	ND		ug/kg	684	--	100	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-23
Client ID: B08BC (5-6)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/24/13 13:32
Analyst: JW
Percent Solids: 29%

Date Collected: 12/20/13 10:52
Date Received: 12/20/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/21/13 13:49
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/23/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	66.8	--	1	A
Aroclor 1221	ND		ug/kg	66.8	--	1	A
Aroclor 1232	ND		ug/kg	66.8	--	1	A
Aroclor 1242	1760		ug/kg	66.8	--	1	A
Aroclor 1248	ND		ug/kg	44.6	--	1	A
Aroclor 1254	873		ug/kg	66.8	--	1	B
Aroclor 1260	ND		ug/kg	44.6	--	1	A
Aroclor 1262	ND		ug/kg	22.3	--	1	A
Aroclor 1268	ND		ug/kg	22.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-29 D
 Client ID: MIP43 (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 16:15
 Analyst: JW
 Percent Solids: 96%

Date Collected: 12/20/13 12:00
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	2020	--	100	A
Aroclor 1221	ND		ug/kg	2020	--	100	A
Aroclor 1232	ND		ug/kg	2020	--	100	A
Aroclor 1242	ND		ug/kg	2020	--	100	A
Aroclor 1248	ND		ug/kg	1340	--	100	A
Aroclor 1254	23800		ug/kg	2020	--	100	B
Aroclor 1260	ND		ug/kg	1340	--	100	A
Aroclor 1262	ND		ug/kg	672	--	100	A
Aroclor 1268	ND		ug/kg	672	--	100	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-30 D
 Client ID: MIP43 (4)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 12/27/13 16:28
 Analyst: JW
 Percent Solids: 89%

Date Collected: 12/20/13 12:01
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.8	--	2	A
Aroclor 1221	ND		ug/kg	42.8	--	2	A
Aroclor 1232	ND		ug/kg	42.8	--	2	A
Aroclor 1242	ND		ug/kg	42.8	--	2	A
Aroclor 1248	ND		ug/kg	28.5	--	2	A
Aroclor 1254	860		ug/kg	42.8	--	2	B
Aroclor 1260	ND		ug/kg	28.5	--	2	A
Aroclor 1262	ND		ug/kg	14.2	--	2	A
Aroclor 1268	ND		ug/kg	14.2	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 12/27/13 13:36
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 12/21/13 13:49
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 12/23/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 12/23/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,03-04,08-09,13-15,21,23,29-30 Batch: WG660849-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.49	--	A
Aroclor 1268	ND		ug/kg	6.49	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,03-04,08-09,13-15,21,23,29-30 Batch: WG660849-2 WG660849-3									
Aroclor 1016	73		77		40-140	5		30	A
Aroclor 1260	68		69		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		72		30-150	A
Decachlorobiphenyl	71		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		71		30-150	B
Decachlorobiphenyl	67		63		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-01
Client ID: MIP15 (0-2)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/19/13 14:00
Date Received: 12/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-03
Client ID: MIP15 (8)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/19/13 14:02
Date Received: 12/20/13
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	46.6		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-04
 Client ID: MIP15 (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 14:03
 Date Received: 12/20/13
 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	59.4		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-08
 Client ID: MIP15 (24)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 14:07
 Date Received: 12/20/13
 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	89.6		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-09
 Client ID: DUP-05
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 14:08
 Date Received: 12/20/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-13

Date Collected: 12/20/13 09:00

Client ID: MIP23 (0-2)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-14
 Client ID: MIP23 (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/20/13 09:01
 Date Received: 12/20/13
 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	63.3		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-15
 Client ID: MIP23 (5-6)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/20/13 09:02
 Date Received: 12/20/13
 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	77.9		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-21
 Client ID: B08BC (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/20/13 10:50
 Date Received: 12/20/13
 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	95.6		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-23
 Client ID: B08BC (5-6)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/20/13 10:52
 Date Received: 12/20/13
 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	29.2		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

SAMPLE RESULTS

Lab ID: L1325990-29

Date Collected: 12/20/13 12:00

Client ID: MIP43 (0-2)

Date Received: 12/20/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1325990**Project Number:** 39744051.10003**Report Date:** 12/30/13**SAMPLE RESULTS**

Lab ID: L1325990-30
Client ID: MIP43 (4)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/20/13 12:01
Date Received: 12/20/13
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	88.6		%	0.100	NA	1	-	12/22/13 08:01	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325990

Report Date: 12/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03-04,08-09,13-15,21,23,29-30 QC Batch ID: WG660882-1 QC Sample: L1325990-01 Client ID: MIP15 (0-2)						
Solids, Total	93.3	93.2	%	0		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 12/20/2013 23:27

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325990-01A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-02A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-02B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-02C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-02D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-03A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-03B	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-03C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-03D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-04A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-04B	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-04C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-04D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-05A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-05B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-05C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-05D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-06A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-06B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-06C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-06D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-07A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-07B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-07C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-07D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325990-08A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-08B	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-08C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-08D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-09A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-09B	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-09C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-09D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-10A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-10B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-10C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-10D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-11A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-11B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-11C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-11D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-12A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325990-12B	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325990-12C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1325990-13A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-14A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-14B	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-14C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-14D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-15A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-15B	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-15C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-15D	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-16A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-16B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-16C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-16D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325990

Report Date: 12/30/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325990-17A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-17B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-17C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-17D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-18A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-18B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-18C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-18D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-19A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-19B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-19C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-19D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-20A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-20B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-20C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-20D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-21A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-21B	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	MCP-8082LL-10-3540C(365)
L1325990-21C	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	MCP-8082LL-10-3540C(365)
L1325990-22A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-22B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-22C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-22D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-23A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-23B	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-23C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-23D	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-24A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-24B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-24C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-24D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-25A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-25B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-25C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-25D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1325990

Report Date: 12/30/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1325990-26A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-26B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-26C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-26D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-27A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-27B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-27C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-27D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-28A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-28B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-28C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-28D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-29A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-30A	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1325990-30B	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-30C	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-30D	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-30E	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-30F	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-30G	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-30H	Vial MeOH preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-30I	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-30J	Vial water preserved	A	N/A	2.1	Y	Absent	MCP-8260HLW-10(14)
L1325990-31A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-31B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-31C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-31D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-32A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-32B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-32C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-32D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()
L1325990-33A	Vial MeOH preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-33B	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-33C	Vial water preserved	A	N/A	2.1	Y	Absent	HOLD-8260HLW(14)
L1325990-33D	Amber 250ml unpreserved	A	N/A	2.1	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE

Lab Number: L1325990

Project Number: 39744051.10003

Report Date: 12/30/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1325990-04B

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325990
Report Date: 12/30/13

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325990
Report Date: 12/30/13

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1325990
Report Date: 12/30/13

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 4

Date Rec'd in Lab: 12/20/13

ALPHA Job #: U325990

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe

Project Location: New Bedford, MA

Project #: 39744051.10003

Project Manager: J. LeClair/M. Wade

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/30/13

Report Information - Data Deliverables

ADEX EMAIL 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 _____

Client Information

Client: URS

Address: US5 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 6260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> RCR48 <input type="checkbox"/> PPT3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<u>Total Solids (from PCB)</u>	SAMPLE INFO
									Filtration
									<input type="checkbox"/> Field
									<input type="checkbox"/> Lab to do
									Preservation
									<input type="checkbox"/> Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	C/VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Sample Comments	TOTAL # BOTTLES
		Date	Time												
25990.1	MIP15(0-2)	12/19/13	1400	S	JLH									RUN	1
2	MIP15(3-5)		1401											HOLD	4
3	MIP15(8)		1402											RUN	4
4	MIP15(8-10)		1403											RUN	4
5	MIP15(13-15)		1404											HOLD	4
6	MIP15(18-20)		1405											HOLD	4
7	MIP15(21.5-22.5)		1406											HOLD	4
8	MIP15(24)		1407											RUN	4
9	DUP-05		1408											RUN	4
10	MIP15(26)		1409											HOLD	4

- 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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	V															
Preservative	O															

Relinquished By: [Signature] Date/Time: 12/20/13 1545

Received By: [Signature] Date/Time: 12/20/13 1545

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-622-9300

Date Rec'd In Lab: 12/20/13

ALPHA Job #: L1325990

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project # 39744051.10003
Project Manager: J.L. Clair / M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL Same as Client info PO #:

Billing Information

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/20/13

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 6260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> RCR48 <input type="checkbox"/> PPT3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
	Total Solids (from PCB)						Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	C/Vol	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Sample Comments	TOTAL # BOTTLES
		Date	Time												
25990.11	MIP15 (28-30)	12.19.13	1410	S	JKH	3								HOLD	4
12	TB-13	12.19.13		TB	JKH	3								RUN	3
13	MIP23 (0-2)	12.20.13	0900	S	JKH									RUN	1
14	MIP23 (4-5)		0901	S		3								Highest PID	4
16	MIP23 (5-6)		0902			3								NAPL Present	4
16	MIP23 (8-10)		0903			3								HOLD	4
17	MIP23 (13-15)		0904			3								HOLD	4
18	MIP23 (18-20)		0905			3								HOLD	4
19	MIP23 (21)		0906			3								HOLD	4
20	MIP23 (26)		0907			3								HOLD	4

- 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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type: V
Preservative: O
G
A

Relinquished By: [Signature] Date/Time: 12/20/13 1545
Received By: [Signature] Date/Time: 12/20/13 1545

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: *Aerovox Geoprobe*
Project Location: *New Bedford, MA*
Project #: *39744057.10023*
Project Manager: *J. Leclair/Wade*
ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: *12/30/13*

Date Rec'd in Lab: *12/20/13*

ALPHA Job #: *U325990*

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: *URS*
Address: *1155 Elm St, Suite 401
Manchester, NH 03101*
Phone: *(603) 606-4800*
Email: *Judith.Leclair@urs.com*

Additional Project Information:

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	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Other: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	TPH	Other	Sample Comments	
		Date	Time												
<i>25990.21</i>	<i>B08BC(0-2)</i>	<i>12-20-13</i>	<i>1050</i>	<i>S</i>	<i>JLH</i>									<i>Use extra vol. for MS/MSD</i>	<i>3</i>
<i>22</i>	<i>B08BC(3-5)</i>		<i>1051</i>			<i>3</i>								<i>HOLD</i>	<i>4</i>
<i>23</i>	<i>B08BC(5-6)</i>		<i>1052</i>			<i>3</i>								<i>Highest PID in boring</i> <i>RUN</i>	<i>4</i>
<i>24</i>	<i>B08BC(13-15)</i>		<i>1053</i>			<i>3</i>								<i>HOLD</i>	<i>4</i>
<i>25</i>	<i>B08BC(18-20)</i>		<i>1054</i>			<i>3</i>								<i>HOLD</i>	<i>4</i>
<i>26</i>	<i>B08BC(23-25)</i>		<i>1055</i>			<i>3</i>								<i>HOLD</i>	<i>4</i>
<i>27</i>	<i>B08BC(28-30)</i>		<i>1056</i>			<i>3</i>								<i>HOLD</i>	<i>4</i>
<i>28</i>	<i>B08BC(31-33)</i>		<i>1057</i>			<i>3</i>								<i>HOLD</i>	<i>4</i>
<i>29</i>	<i>MIP43(0-2)</i>		<i>1200</i>			<i>1</i>								<i>RUN</i>	<i>1</i>
<i>30</i>	<i>MIP43(4)</i>		<i>1201</i>			<i>9</i>								<i>Use extra vol of VOC bottles for MS/MSD</i>	<i>10</i>

- 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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	<i>V</i>															
Preservative	<i>O</i>															

Relinquished By: *[Signature]* Date/Time: *12/20/13 1545*

Received By: *[Signature]* Date/Time: *12/20/13 1545*

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 4 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: **URS**

Address: **1155 Elm St, Suite 401
Manchester, NH 03101**

Phone: **(603) 606-4800**

Email: **judith.leclair@urs.com**

Additional Project Information:

Project Information

Project Name: **Aerovox Geoprobe**

Project Location: **New Bedford, MA**

Project #: **39744051.10003**

Project Manager: **J. Leclair / M. Wade**

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: **12/30/13**

Date Rec'd In Lab: **12/20/13**

ALPHA Job #: **L1325990**

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	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 5242	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> RCRAB <input type="checkbox"/> RCP-13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> PEST <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Other: Total Solids (from PCB)	SAMPLE INFO	TOTAL # BOTTLES
								Filtration		
								<input type="checkbox"/> Field		
								<input type="checkbox"/> Lab to do		
								Preservation		
								<input type="checkbox"/> Lab to do		
								Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials																					
		Date	Time																							
25990, 31	MIP43 (8-10)	12/20/13	1202	S	JRH	3							1	X									HOLD	4		
32	MIP43 (14-15)	↓	1203	↓	↓	3							1	X										HOLD	4	
33	MIP43 (18-20)	↓	1204	↓	↓	3							1	X										HOLD	4	

Container Type	Preservative	Container Type	Preservative
P= Plastic A= Amber glass V= Vial G= Glass B= Bacteria cup C= Cube O= Other E= Encore D= BOD Bottle	A= None B= HCl C= HNO ₃ D= H ₂ SO ₄ E= NaOH F= MeOH G= NaHSO ₄ H= Na ₂ S ₂ O ₃ I= Ascorbic Acid J= NH ₄ Cl K= Zn Acetate O= Other	V	G
		O	A

Relinquished By: <i>[Signature]</i>	Date/Time: 12/20/13 1545	Received By: <i>[Signature]</i>	Date/Time: 12/20/13 1545
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All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325990

Instrument ID: Voal00.i Calibration Date: 27-DEC-2013 Time: 07:14

Lab File ID: 1227A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.18832	.20586	.1	9	20	
chloromethane	100	96.717	.1	-3	20	
vinyl chloride	100	102	.1	2	20	
bromomethane	100	136	.1	36	20	F
chloroethane	100	84.715	.1	-15	20	
trichlorofluoromethane	.33683	.37108	.1	10	20	
ethyl ether	.1212	.11391	.05	-6	20	
1,1,-dichloroethene	.22262	.2099	.1	-6	20	
carbon disulfide	100	90.089	.1	-10	20	
methylene chloride	100	90.779	.1	-9	20	
acetone	100	137	.1	37	20	F
trans-1,2-dichloroethene	.26173	.24541	.1	-6	20	
methyl tert butyl ether	.60479	.55825	.1	-8	20	
Diisopropyl Ether	1.0458	.86496	.05	-17	20	
1,1-dichloroethane	.5436	.5093	.2	-6	20	
Ethyl-Tert-Butyl-Ether	.911	.86561	.05	-5	20	
cis-1,2-dichloroethene	.27799	.26061	.1	-6	20	
2,2-dichloropropane	.35171	.36183	.05	3	20	
bromochloromethane	.12984	.13459	.05	4	20	
chloroform	.44702	.42904	.2	-4	20	
carbontetrachloride	.34389	.33596	.1	-2	20	
tetrahydrofuran	.09245	.06756	.05	-27	20	F
1,1,1-trichloroethane	.39751	.38322	.1	-4	20	
2-butanone	.14186	.14933	.1	5	20	
1,1-dichloropropene	.32911	.31373	.05	-5	20	
benzene	1.0319	.89555	.5	-13	20	
Tertiary-Amyl Methyl Ether	.61291	.56985	.05	-7	20	
1,2-dichloroethane	.36498	.34184	.1	-6	20	
trichloroethene	.25885	.24298	.2	-6	20	
dibromomethane	.14599	.13911	.05	-5	20	
1,2-dichloropropane	.2993	.2865	.1	-4	20	
bromodichloromethane	.33589	.32576	.2	-3	20	
1,4-dioxane	.00246	.00211	.05	-14	20	F
cis-1,3-dichloropropene	.38482	.36057	.2	-6	20	
toluene	.88345	.74073	.4	-16	20	
4-methyl-2-pentanone	.11106	.09797	.1	-12	20	
tetrachloroethene	.38403	.35543	.2	-7	20	
trans-1,3-dichloropropene	.49088	.43405	.1	-12	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325990

Instrument ID: Voal00.i Calibration Date: 27-DEC-2013 Time: 07:14

Lab File ID: 1227A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.21131	.1	-11	20
chlorodibromomethane	.37052	.33829	.1	-9	20
1,3-dichloropropane	.5037	.42456	.05	-16	20
1,2-dibromoethane	.29224	.26915	.1	-8	20
2-hexanone	.2592	.21403	.1	-17	20
chlorobenzene	.99049	.87655	.5	-12	20
ethyl benzene	1.6824	1.4108	.1	-16	20
1,1,1,2-tetrachloroethane	.35511	.32648	.05	-8	20
p/m xylene	.67162	.56497	.1	-16	20
o xylene	.61821	.53468	.3	-14	20
styrene	1.0041	.89466	.3	-11	20
bromoform	.44959	.39342	.1	-12	20
isopropylbenzene	3.0990	2.5757	.1	-17	20
bromobenzene	.77202	.68441	.05	-11	20
n-propylbenzene	3.5073	2.9245	.05	-17	20
1,1,2,2,-tetrachloroethane	.77486	.60611	.3	-22	20
2-chlorotoluene	2.3619	1.5342	.05	-35	20
1,3,5-trimethylbenzene	2.6433	2.2298	.05	-16	20
1,2,3-trichloropropane	.63167	.48949	.05	-23	20
4-chorotoluene	2.2438	1.8848	.05	-16	20
tert-butylbenzene	2.2528	1.9807	.05	-12	20
1,2,4-trimethylbenzene	2.5422	2.1727	.05	-15	20
sec-butylbenzene	3.4471	2.8754	.05	-17	20
p-isopropyltoluene	2.8589	2.5760	.05	-10	20
1,3-dichlorobenzene	1.5833	1.3947	.6	-12	20
1,4-dichlorobenzene	1.5941	1.3968	.5	-12	20
n-butylbenzene	2.6718	2.2157	.05	-17	20
1,2-dichlorobenzene	1.4725	1.2756	.4	-13	20
1,2-dibromo-3-chloropropane	100	83.655	.05	-16	20
hexachlorobutadiene	.50157	.45047	.05	-10	20
1,2,4-trichlorobenzene	.95266	.86438	.2	-9	20
naphthalene	2.2469	1.8713	.05	-17	20
1,2,3-trichlorobenzene	.88277	.76657	.05	-13	20
dibromofluoromethane	.25768	.26524	.05	3	30
1,2-dichloroethane-d4	.28696	.28005	.05	-2	30
toluene-d8	1.2970	1.2301	.05	-5	30
4-bromofluorobenzene	.89072	.89702	.05	1	30

F
F
F

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325990

Instrument ID: Voal00.i Calibration Date: 21-DEC-2013 Time: 09:52

Lab File ID: 1221A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dichlorodifluoromethane	.18832	.20809	.1	10	20
chloromethane	100	103	.1	3	20
vinyl chloride	100	107	.1	7	20
bromomethane	100	137	.1	37	20
chloroethane	100	89.249	.1	-11	20
trichlorofluoromethane	.33683	.34882	.1	4	20
ethyl ether	.1212	.11839	.05	-2	20
1,1,-dichloroethene	.22262	.22189	.1	0	20
carbon disulfide	100	98.193	.1	-2	20
methylene chloride	100	93.626	.1	-6	20
acetone	100	108	.1	8	20
trans-1,2-dichloroethene	.26173	.25312	.1	-3	20
methyl tert butyl ether	.60479	.57045	.1	-6	20
Diisopropyl Ether	1.0458	.88801	.05	-15	20
1,1-dichloroethane	.5436	.52097	.2	-4	20
Ethyl-Tert-Butyl-Ether	.911	.88067	.05	-3	20
cis-1,2-dichloroethene	.27799	.26312	.1	-5	20
2,2-dichloropropane	.35171	.3652	.05	4	20
bromochloromethane	.12984	.13178	.05	1	20
chloroform	.44702	.43517	.2	-3	20
carbontetrachloride	.34389	.33115	.1	-4	20
tetrahydrofuran	.09245	.06898	.05	-25	20
1,1,1-trichloroethane	.39751	.38153	.1	-4	20
2-butanone	.14186	.13831	.1	-3	20
1,1-dichloropropene	.32911	.32225	.05	-2	20
benzene	1.0319	.92703	.5	-10	20
Tertiary-Amyl Methyl Ether	.61291	.58098	.05	-5	20
1,2-dichloroethane	.36498	.33614	.1	-8	20
trichloroethene	.25885	.24797	.2	-4	20
dibromomethane	.14599	.14041	.05	-4	20
1,2-dichloropropane	.2993	.29437	.1	-2	20
bromodichloromethane	.33589	.32258	.2	-4	20
1,4-dioxane	.00246	.00217	.05	-12	20
cis-1,3-dichloropropene	.38482	.36547	.2	-5	20
toluene	.88345	.78823	.4	-11	20
4-methyl-2-pentanone	.11106	.09869	.1	-11	20
tetrachloroethene	.38403	.36567	.2	-5	20
trans-1,3-dichloropropene	.49088	.45455	.1	-7	20

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1325990

Instrument ID: Voal00.i Calibration Date: 21-DEC-2013 Time: 09:52

Lab File ID: 1221A01 Init. Calib. Date(s): 21-NOV-2 21-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 17:13 20:02

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.23863	.22021	.1	-8	20
chlorodibromomethane	.37052	.34441	.1	-7	20
1,3-dichloropropane	.5037	.44828	.05	-11	20
1,2-dibromoethane	.29224	.27653	.1	-5	20
2-hexanone	.2592	.20317	.1	-22	20
chlorobenzene	.99049	.90664	.5	-8	20
ethyl benzene	1.6824	1.4933	.1	-11	20
1,1,1,2-tetrachloroethane	.35511	.33573	.05	-5	20
p/m xylene	.67162	.58881	.1	-12	20
o xylene	.61821	.56108	.3	-9	20
styrene	1.0041	.93394	.3	-7	20
bromoform	.44959	.4109	.1	-9	20
isopropylbenzene	3.0990	2.7967	.1	-10	20
bromobenzene	.77202	.72562	.05	-6	20
n-propylbenzene	3.5073	3.1780	.05	-9	20
1,1,2,2,-tetrachloroethane	.77486	.66336	.3	-14	20
2-chlorotoluene	2.3619	2.2044	.05	-7	20
1,3,5-trimethylbenzene	2.6433	2.4096	.05	-9	20
1,2,3-trichloropropane	.63167	.52188	.05	-17	20
4-chlorotoluene	2.2438	2.0251	.05	-10	20
tert-butylbenzene	2.2528	2.1399	.05	-5	20
1,2,4-trimethylbenzene	2.5422	2.3348	.05	-8	20
sec-butylbenzene	3.4471	3.1278	.05	-9	20
p-isopropyltoluene	2.8589	2.7559	.05	-4	20
1,3-dichlorobenzene	1.5833	1.4936	.6	-6	20
1,4-dichlorobenzene	1.5941	1.4828	.5	-7	20
n-butylbenzene	2.6718	2.4461	.05	-8	20
1,2-dichlorobenzene	1.4725	1.3685	.4	-7	20
1,2-dibromo-3-chloropropane	100	87.550	.05	-12	20
hexachlorobutadiene	.50157	.48762	.05	-3	20
1,2,4-trichlorobenzene	.95266	.91682	.2	-4	20
naphthalene	2.2469	2.0121	.05	-10	20
1,2,3-trichlorobenzene	.88277	.8159	.05	-8	20
dibromofluoromethane	.25768	.26012	.05	1	30
1,2-dichloroethane-d4	.28696	.27685	.05	-4	30
toluene-d8	1.2970	1.2413	.05	-4	30
4-bromofluorobenzene	.89072	.89792	.05	1	30

F

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1400741
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	01/07/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1400741-01	B04D (3-5)	NEW BEDFORD, MA	12/05/13 09:50
L1400741-02	B06C (3-5)	NEW BEDFORD, MA	12/09/13 09:16
L1400741-03	B06B (3-5)	NEW BEDFORD, MA	12/09/13 10:42
L1400741-04	B07B (3-5)	NEW BEDFORD, MA	12/10/13 08:46
L1400741-05	B08D (3-5)	NEW BEDFORD, MA	12/10/13 13:56
L1400741-06	B08C (3-5)	NEW BEDFORD, MA	12/11/13 09:25
L1400741-07	B08B (3-5)	NEW BEDFORD, MA	12/11/13 12:21
L1400741-08	B08B (8-10)	NEW BEDFORD, MA	12/11/13 12:22
L1400741-09	B09A (8-10)	NEW BEDFORD, MA	12/11/13 15:34
L1400741-10	B09B (3-5)	NEW BEDFORD, MA	12/12/13 15:11
L1400741-11	B09C (3-5)	NEW BEDFORD, MA	12/13/13 10:51
L1400741-12	B09D (3-5)	NEW BEDFORD, MA	12/13/13 14:38
L1400741-13	B09D (8-10)	NEW BEDFORD, MA	12/13/13 14:39
L1400741-14	B10C (3-5)	NEW BEDFORD, MA	12/16/13 09:31
L1400741-15	B10B (3-5)	NEW BEDFORD, MA	12/16/13 12:01
L1400741-16	B10A (3-5)	NEW BEDFORD, MA	12/16/13 15:11
L1400741-17	B01A (13-15)	NEW BEDFORD, MA	12/17/13 10:03
L1400741-18	B02B (13-15)	NEW BEDFORD, MA	12/17/13 15:46
L1400741-19	B02A (8-10)	NEW BEDFORD, MA	12/18/13 09:11
L1400741-20	B07.5BC (3-5)	NEW BEDFORD, MA	12/18/13 15:01

Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

Case Narrative (continued)

MCP Related Narratives

PCBs

L1400741-11 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in the sample.

L1400741-19 contains peaks which match the retention times for aroclor 1248, but do not match the area ratios typical for this aroclor. The result for aroclor 1248 is reported as "weathered".

In reference to question G:

L1400741-04, -10, -11, -14, -16, -19, and -20: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1400741-04, -11, -14, -16, and -20 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 01/07/14

ORGANICS

PCBS

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-01
 Client ID: B04D (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/06/14 15:19
 Analyst: TQ
 Percent Solids: 93%

Date Collected: 12/05/13 09:50
 Date Received: 12/05/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.9	--	1	A
Aroclor 1221	ND		ug/kg	20.9	--	1	A
Aroclor 1232	ND		ug/kg	20.9	--	1	A
Aroclor 1242	ND		ug/kg	20.9	--	1	A
Aroclor 1248	ND		ug/kg	13.9	--	1	A
Aroclor 1254	ND		ug/kg	20.9	--	1	A
Aroclor 1260	ND		ug/kg	13.9	--	1	A
Aroclor 1262	ND		ug/kg	6.97	--	1	A
Aroclor 1268	ND		ug/kg	6.97	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-02
 Client ID: B06C (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/06/14 15:32
 Analyst: TQ
 Percent Solids: 91%

Date Collected: 12/09/13 09:16
 Date Received: 12/09/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.0	--	1	A
Aroclor 1221	ND		ug/kg	21.0	--	1	A
Aroclor 1232	ND		ug/kg	21.0	--	1	A
Aroclor 1242	ND		ug/kg	21.0	--	1	A
Aroclor 1248	ND		ug/kg	14.0	--	1	A
Aroclor 1254	ND		ug/kg	21.0	--	1	A
Aroclor 1260	ND		ug/kg	14.0	--	1	A
Aroclor 1262	ND		ug/kg	6.99	--	1	A
Aroclor 1268	ND		ug/kg	6.99	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-03
Client ID: B06B (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 15:44
Analyst: TQ
Percent Solids: 87%

Date Collected: 12/09/13 10:42
Date Received: 12/09/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.5	--	1	A
Aroclor 1221	ND		ug/kg	22.5	--	1	A
Aroclor 1232	ND		ug/kg	22.5	--	1	A
Aroclor 1242	ND		ug/kg	22.5	--	1	A
Aroclor 1248	ND		ug/kg	15.0	--	1	A
Aroclor 1254	74.1		ug/kg	22.5	--	1	B
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.51	--	1	A
Aroclor 1268	ND		ug/kg	7.51	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-04 D
 Client ID: B07B (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/06/14 20:14
 Analyst: TQ
 Percent Solids: 95%

Date Collected: 12/10/13 08:46
 Date Received: 12/10/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	199	--	10	A
Aroclor 1221	ND		ug/kg	199	--	10	A
Aroclor 1232	ND		ug/kg	199	--	10	A
Aroclor 1242	ND		ug/kg	199	--	10	A
Aroclor 1248	2380		ug/kg	132	--	10	B
Aroclor 1254	2230		ug/kg	199	--	10	A
Aroclor 1260	ND		ug/kg	132	--	10	A
Aroclor 1262	ND		ug/kg	66.3	--	10	A
Aroclor 1268	ND		ug/kg	66.3	--	10	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-05
Client ID: B08D (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 16:08
Analyst: TQ
Percent Solids: 84%

Date Collected: 12/10/13 13:56
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.2	--	1	A
Aroclor 1221	ND		ug/kg	23.2	--	1	A
Aroclor 1232	ND		ug/kg	23.2	--	1	A
Aroclor 1242	ND		ug/kg	23.2	--	1	A
Aroclor 1248	ND		ug/kg	15.4	--	1	A
Aroclor 1254	156		ug/kg	23.2	--	1	A
Aroclor 1260	ND		ug/kg	15.4	--	1	A
Aroclor 1262	ND		ug/kg	7.73	--	1	A
Aroclor 1268	ND		ug/kg	7.73	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-06
Client ID: B08C (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 16:21
Analyst: TQ
Percent Solids: 59%

Date Collected: 12/11/13 09:25
Date Received: 12/11/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	--	1	A
Aroclor 1221	ND		ug/kg	33.6	--	1	A
Aroclor 1232	ND		ug/kg	33.6	--	1	A
Aroclor 1242	ND		ug/kg	33.6	--	1	A
Aroclor 1248	ND		ug/kg	22.4	--	1	A
Aroclor 1254	38.5		ug/kg	33.6	--	1	A
Aroclor 1260	ND		ug/kg	22.4	--	1	A
Aroclor 1262	ND		ug/kg	11.2	--	1	A
Aroclor 1268	ND		ug/kg	11.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-07
Client ID: B08B (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 16:33
Analyst: TQ
Percent Solids: 83%

Date Collected: 12/11/13 12:21
Date Received: 12/11/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.2	--	1	A
Aroclor 1221	ND		ug/kg	23.2	--	1	A
Aroclor 1232	ND		ug/kg	23.2	--	1	A
Aroclor 1242	ND		ug/kg	23.2	--	1	A
Aroclor 1248	ND		ug/kg	15.5	--	1	A
Aroclor 1254	145		ug/kg	23.2	--	1	A
Aroclor 1260	ND		ug/kg	15.5	--	1	A
Aroclor 1262	ND		ug/kg	7.74	--	1	A
Aroclor 1268	ND		ug/kg	7.74	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-08
Client ID: B08B (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 16:45
Analyst: TQ
Percent Solids: 78%

Date Collected: 12/11/13 12:22
Date Received: 12/11/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	25.0	--	1	A
Aroclor 1221	ND		ug/kg	25.0	--	1	A
Aroclor 1232	ND		ug/kg	25.0	--	1	A
Aroclor 1242	ND		ug/kg	25.0	--	1	A
Aroclor 1248	ND		ug/kg	16.6	--	1	A
Aroclor 1254	ND		ug/kg	25.0	--	1	A
Aroclor 1260	ND		ug/kg	16.6	--	1	A
Aroclor 1262	ND		ug/kg	8.32	--	1	A
Aroclor 1268	ND		ug/kg	8.32	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-09
 Client ID: B09A (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/06/14 16:58
 Analyst: TQ
 Percent Solids: 90%

Date Collected: 12/11/13 15:34
 Date Received: 12/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.1	--	1	A
Aroclor 1221	ND		ug/kg	21.1	--	1	A
Aroclor 1232	ND		ug/kg	21.1	--	1	A
Aroclor 1242	ND		ug/kg	21.1	--	1	A
Aroclor 1248	ND		ug/kg	14.1	--	1	A
Aroclor 1254	ND		ug/kg	21.1	--	1	A
Aroclor 1260	ND		ug/kg	14.1	--	1	A
Aroclor 1262	ND		ug/kg	7.03	--	1	A
Aroclor 1268	ND		ug/kg	7.03	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-10 D
 Client ID: B09B (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/07/14 11:51
 Analyst: TQ
 Percent Solids: 78%

Date Collected: 12/12/13 15:11
 Date Received: 12/12/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	124	--	5	A
Aroclor 1221	ND		ug/kg	124	--	5	A
Aroclor 1232	ND		ug/kg	124	--	5	A
Aroclor 1242	ND		ug/kg	124	--	5	A
Aroclor 1248	1500		ug/kg	82.4	--	5	B
Aroclor 1254	530		ug/kg	124	--	5	B
Aroclor 1260	ND		ug/kg	82.4	--	5	A
Aroclor 1262	ND		ug/kg	41.2	--	5	A
Aroclor 1268	ND		ug/kg	41.2	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-11 D
 Client ID: B09C (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/07/14 12:03
 Analyst: TQ
 Percent Solids: 79%

Date Collected: 12/13/13 10:51
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	494	--	20	A
Aroclor 1221	ND		ug/kg	494	--	20	A
Aroclor 1232	ND		ug/kg	494	--	20	A
Aroclor 1242	ND		ug/kg	494	--	20	A
Aroclor 1248	ND		ug/kg	329	--	20	A
Aroclor 1254	1590		ug/kg	494	--	20	A
Aroclor 1260	4180		ug/kg	329	--	20	A
Aroclor 1262	ND		ug/kg	164	--	20	A
Aroclor 1268	ND		ug/kg	164	--	20	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-12
Client ID: B09D (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 17:35
Analyst: TQ
Percent Solids: 86%

Date Collected: 12/13/13 14:38
Date Received: 12/13/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.5	--	1	A
Aroclor 1221	ND		ug/kg	22.5	--	1	A
Aroclor 1232	ND		ug/kg	22.5	--	1	A
Aroclor 1242	ND		ug/kg	22.5	--	1	A
Aroclor 1248	ND		ug/kg	15.0	--	1	A
Aroclor 1254	248		ug/kg	22.5	--	1	A
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.52	--	1	A
Aroclor 1268	ND		ug/kg	7.52	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-13
Client ID: B09D (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 18:36
Analyst: TQ
Percent Solids: 28%

Date Collected: 12/13/13 14:39
Date Received: 12/13/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	68.8	--	1	A
Aroclor 1221	ND		ug/kg	68.8	--	1	A
Aroclor 1232	ND		ug/kg	68.8	--	1	A
Aroclor 1242	ND		ug/kg	68.8	--	1	A
Aroclor 1248	ND		ug/kg	45.9	--	1	A
Aroclor 1254	ND		ug/kg	68.8	--	1	A
Aroclor 1260	ND		ug/kg	45.9	--	1	A
Aroclor 1262	ND		ug/kg	22.9	--	1	A
Aroclor 1268	ND		ug/kg	22.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-14 D
 Client ID: B10C (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/07/14 12:15
 Analyst: TQ
 Percent Solids: 88%

Date Collected: 12/16/13 09:31
 Date Received: 12/16/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	10800	--	500	A
Aroclor 1221	ND		ug/kg	10800	--	500	A
Aroclor 1232	ND		ug/kg	10800	--	500	A
Aroclor 1242	ND		ug/kg	10800	--	500	A
Aroclor 1248	49200		ug/kg	7230	--	500	B
Aroclor 1254	48600		ug/kg	10800	--	500	B
Aroclor 1260	ND		ug/kg	7230	--	500	A
Aroclor 1262	ND		ug/kg	3610	--	500	A
Aroclor 1268	ND		ug/kg	3610	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-15
Client ID: B10B (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 19:01
Analyst: TQ
Percent Solids: 92%

Date Collected: 12/16/13 12:01
Date Received: 12/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.5	--	1	A
Aroclor 1221	ND		ug/kg	21.5	--	1	A
Aroclor 1232	ND		ug/kg	21.5	--	1	A
Aroclor 1242	ND		ug/kg	21.5	--	1	A
Aroclor 1248	ND		ug/kg	14.3	--	1	A
Aroclor 1254	ND		ug/kg	21.5	--	1	A
Aroclor 1260	ND		ug/kg	14.3	--	1	A
Aroclor 1262	ND		ug/kg	7.15	--	1	A
Aroclor 1268	ND		ug/kg	7.15	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-16 D
 Client ID: B10A (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/07/14 12:28
 Analyst: TQ
 Percent Solids: 88%

Date Collected: 12/16/13 15:11
 Date Received: 12/16/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22100	--	1000	A
Aroclor 1221	ND		ug/kg	22100	--	1000	A
Aroclor 1232	ND		ug/kg	22100	--	1000	A
Aroclor 1242	ND		ug/kg	22100	--	1000	A
Aroclor 1248	104000		ug/kg	14800	--	1000	B
Aroclor 1254	109000		ug/kg	22100	--	1000	A
Aroclor 1260	ND		ug/kg	14800	--	1000	A
Aroclor 1262	ND		ug/kg	7380	--	1000	A
Aroclor 1268	ND		ug/kg	7380	--	1000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-17
Client ID: B01A (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 19:25
Analyst: TQ
Percent Solids: 93%

Date Collected: 12/17/13 10:03
Date Received: 12/17/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.6	--	1	A
Aroclor 1221	ND		ug/kg	20.6	--	1	A
Aroclor 1232	ND		ug/kg	20.6	--	1	A
Aroclor 1242	106		ug/kg	20.6	--	1	A
Aroclor 1248	ND		ug/kg	13.8	--	1	A
Aroclor 1254	29.1		ug/kg	20.6	--	1	A
Aroclor 1260	ND		ug/kg	13.8	--	1	A
Aroclor 1262	ND		ug/kg	6.88	--	1	A
Aroclor 1268	ND		ug/kg	6.88	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-18
Client ID: B02B (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/06/14 19:37
Analyst: TQ
Percent Solids: 87%

Date Collected: 12/17/13 15:46
Date Received: 12/18/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/14 08:43
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/06/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.8	--	1	A
Aroclor 1221	ND		ug/kg	21.8	--	1	A
Aroclor 1232	ND		ug/kg	21.8	--	1	A
Aroclor 1242	69.0		ug/kg	21.8	--	1	A
Aroclor 1248	ND		ug/kg	14.5	--	1	A
Aroclor 1254	ND		ug/kg	21.8	--	1	B
Aroclor 1260	ND		ug/kg	14.5	--	1	A
Aroclor 1262	ND		ug/kg	7.25	--	1	A
Aroclor 1268	ND		ug/kg	7.25	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-19 D
 Client ID: B02A (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/07/14 12:40
 Analyst: TQ
 Percent Solids: 82%

Date Collected: 12/18/13 09:11
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	120	--	5	A
Aroclor 1221	ND		ug/kg	120	--	5	A
Aroclor 1232	ND		ug/kg	120	--	5	A
Aroclor 1242	ND		ug/kg	120	--	5	A
Aroclor 1248	840		ug/kg	80.2	--	5	A
Aroclor 1254	ND		ug/kg	120	--	5	A
Aroclor 1260	ND		ug/kg	80.2	--	5	A
Aroclor 1262	ND		ug/kg	40.1	--	5	A
Aroclor 1268	ND		ug/kg	40.1	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-20 D
 Client ID: B07.5BC (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/07/14 12:52
 Analyst: TQ
 Percent Solids: 86%

Date Collected: 12/18/13 15:01
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	11000	--	500	A
Aroclor 1221	ND		ug/kg	11000	--	500	A
Aroclor 1232	ND		ug/kg	11000	--	500	A
Aroclor 1242	ND		ug/kg	11000	--	500	A
Aroclor 1248	58600		ug/kg	7370	--	500	A
Aroclor 1254	19800		ug/kg	11000	--	500	A
Aroclor 1260	ND		ug/kg	7370	--	500	A
Aroclor 1262	ND		ug/kg	3680	--	500	A
Aroclor 1268	ND		ug/kg	3680	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 01/06/14 17:47
 Analyst: TQ

Extraction Method: EPA 3540C
 Extraction Date: 01/05/14 08:43
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/06/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/06/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-20 Batch: WG662909-1						
Aroclor 1016	ND		ug/kg	19.8	--	A
Aroclor 1221	ND		ug/kg	19.8	--	A
Aroclor 1232	ND		ug/kg	19.8	--	A
Aroclor 1242	ND		ug/kg	19.8	--	A
Aroclor 1248	ND		ug/kg	13.2	--	A
Aroclor 1254	ND		ug/kg	19.8	--	A
Aroclor 1260	ND		ug/kg	13.2	--	A
Aroclor 1262	ND		ug/kg	6.62	--	A
Aroclor 1268	ND		ug/kg	6.62	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	108		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-20 Batch: WG662909-2 WG662909-3									
Aroclor 1016	72		79		40-140	9		30	A
Aroclor 1260	79		80		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		80		30-150	A
Decachlorobiphenyl	99		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		84		30-150	B
Decachlorobiphenyl	111		106		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-01
 Client ID: B04D (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/05/13 09:50
 Date Received: 12/05/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-02
 Client ID: B06C (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/09/13 09:16
 Date Received: 12/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-03
Client ID: B06B (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/09/13 10:42
Date Received: 12/09/13
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	86.9		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-04
Client ID: B07B (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/10/13 08:46
Date Received: 12/10/13
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	94.9		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-05
 Client ID: B08D (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/10/13 13:56
 Date Received: 12/10/13
 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	83.9		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-06
Client ID: B08C (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/11/13 09:25
Date Received: 12/11/13
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	58.6		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-07
 Client ID: B08B (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/11/13 12:21
 Date Received: 12/11/13
 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	82.7		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-08
Client ID: B08B (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/11/13 12:22
Date Received: 12/11/13
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	78.1		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-09
 Client ID: B09A (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/11/13 15:34
 Date Received: 12/12/13
 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	89.7		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-10
 Client ID: B09B (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/12/13 15:11
 Date Received: 12/12/13
 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	78.2		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-11
Client ID: B09C (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/13/13 10:51
Date Received: 12/13/13
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	78.5		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-12
 Client ID: B09D (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 14:38
 Date Received: 12/13/13
 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	86.0		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-13
Client ID: B09D (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/13/13 14:39
Date Received: 12/13/13
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	28.3		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-14
Client ID: B10C (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 09:31
Date Received: 12/16/13
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	88.0		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-15
Client ID: B10B (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 12:01
Date Received: 12/16/13
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	92.2		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-16

Date Collected: 12/16/13 15:11

Client ID: B10A (3-5)

Date Received: 12/16/13

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-17
 Client ID: B01A (13-15)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/17/13 10:03
 Date Received: 12/17/13
 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	92.5		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-18
 Client ID: B02B (13-15)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/17/13 15:46
 Date Received: 12/18/13
 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	86.9		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400741**Project Number:** 39744051.10003**Report Date:** 01/07/14**SAMPLE RESULTS**

Lab ID: L1400741-19
Client ID: B02A (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/18/13 09:11
Date Received: 12/18/13
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	82.1		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

SAMPLE RESULTS

Lab ID: L1400741-20
 Client ID: B07.5BC (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/18/13 15:01
 Date Received: 12/18/13
 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	85.8		%	0.100	NA	1	-	01/04/14 01:27	30,2540G	DE



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1400741

Report Date: 01/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG662901-1 QC Sample: L1400741-01 Client ID: B04D (3-5)						
Solids, Total	93.2	92.9	%	0		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1400741

Project Number: 39744051.10003

Report Date: 01/07/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A	Absent
D	Absent
I	Absent
B	Absent
C	Absent
E	Absent
H	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1400741-01A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-02A	Amber 120ml unpreserved	B	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-03A	Amber 120ml unpreserved	B	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-04A	Amber 120ml unpreserved	C	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-05A	Amber 120ml unpreserved	C	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-06A	Amber 120ml unpreserved	D	N/A	2.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-07A	Amber 120ml unpreserved	D	N/A	2.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-08A	Amber 120ml unpreserved	D	N/A	2.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-09A	Amber 120ml unpreserved	E	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-10A	Amber 120ml unpreserved	E	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-11A	Amber 120ml unpreserved	F	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-12A	Amber 120ml unpreserved	F	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE**Project Number:** 39744051.10003**Lab Number:** L1400741**Report Date:** 01/07/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1400741-13A	Amber 120ml unpreserved	F	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-14A	Amber 120ml unpreserved	G	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-15A	Amber 120ml unpreserved	G	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-16A	Amber 120ml unpreserved	G	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-17A	Amber 120ml unpreserved	H	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-18A	Amber 120ml unpreserved	I	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-19A	Amber 120ml unpreserved	I	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400741-20A	Amber 120ml unpreserved	I	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400741
Report Date: 01/07/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 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 VIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/5/13

ALPHA Job #: L1324798

1/3/14
KB

Client Information
Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Project Information
Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: Judy Leclair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables
 ADEX EMAIL
 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

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
Date Due: 12/10/13 1/10/14

ANALYSIS
VOC: 8200 824 5242
SVOC: ABN PAH
METALS: MCP 13 MCP 14 RCP 15
METALS: RCRA5 RCRA6 PPT3
EPH: Ranges & Targets Ranges Only
VPH: Ranges & Targets Ranges Only
 PCB PEST
TPH: Quant Only Fingerprint

SAMPLE INFO
Filtration
 Field Lab to do
Preservation
 Lab to do

Additional Project Information:

00741

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES	
		Date	Time			VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Fingerprint				
24710-01	B03D (0-2)	12.5.13	0830	S	JKH													
02	B03D (3-5)		0835	S	JKH													HOLD
03	B03D (8-10)		0840	S	JKH													HOLD
04	B03D (13-15)		0845	S	JKH													HOLD
05	B03D (18-20)		0850	S	JKH													HOLD
06	B03D (23-25)		0855	S	JKH													HOLD
07	B04D (0-2)		0945	S	JKH													HOLD
.01 08	B04D (3-5)		0950	S	JKH													HOLD
09	B04D (6-8)		0955	S	JKH													HOLD
10	B04C (0-2)		1010	S	JKH													

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O3
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type G
Preservative A

Relinquished By: Jeffrey K. [Signature] 12/5/13 15:40
Received By: Peter A. [Signature] 12-5-13 15:40
Peter [Signature] 12-5-13 16:57
Walter [Signature] 12/5/13/1057

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)

1/3/14
 CB



CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 12/9/13 ALPHA Job #: 1324902

8 Walkup Drive
 Westboro, MA 01581
 Tel: 508-898-9220

320 Forbes Blvd
 Mansfield, MA 02048
 Tel: 508-822-9300

Project Information
 Project Name: Aerovox Geoprobe

Report Information - Data Deliverables
 ADEX EMAIL

Billing Information
 Same as Client info PO #:

Client Information
 Client: VRS

Project Location: New Bedford, MA
 Project #: 39744051-10003

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

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Project Manager: J. LeClair/M. Wade
 ALPHA Quote #:

Phone: (603) 606-4800
 Email: judith.leclair@vrs.com

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
 Date Due: 12/16/13 / 1/10/14

ANALYSIS		TOTAL # BOTTLES
SVOC: <input type="checkbox"/> PCB <input type="checkbox"/> PAH	Sample Comments	
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15		
EPH: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 <input type="checkbox"/> RCP13		
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
<i>Total Solids (from PCB bottle)</i>		

Additional Project Information:
 mg 12-19-13 per JL take -10,11,17 off hold and run PCBs

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES		
		Date	Time			SVOC	METALS	EPH	VPH	PCB	TPH	Total Solids	Filtration	Preservation					
04962-01	B06C(0-2)	12-9-13	0915	S	JKH														
02	02 B06C(3-5)		0916	S	JKH														HOLD
	03 B06C(8-10)		0917	S	JKH														HOLD
	04 B06C(12.5)		0918	S	JKH	3								X					CVOC
	05 B06C(13-15)		0919	S	JKH														HOLD
	06 B06C(17-19)		0920	S	JKH														HOLD
	07 TB-04			TB		3													CVOC
	08 B06B(0-2)		1040	S	JKH							3							USE EXTRA VOL. FOR MS/MSD
03	09 B06B(3-5)		1042	S	JKH							1							HOLD
	10 B06B(8-10)		1043	S	JKH							1							HOLD

Container Type
 P= Plastic A= None
 A= Amber glass B= HCl
 V= Vial C= HNO3
 G= Glass D= H2SO4
 B= Bacteria cup E= NaOH
 C= Cube F= MeOH
 O= Other G= NaHSO4
 E= Encore H= Na2S2O8
 D= BOD Bottle I= Ascorbic Acid
 J= NH4Cl
 K= Zn Acetate
 O= Other

Relinquished By: [Signature] **Date/Time:** 12/9/13 1430
Received By: [Signature] **Date/Time:** 12/9/13 1430

Container Type V **Preservative** O

Container Type G **Preservative** A

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 FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 12/10/13 ALPHA Job #: 132505

1/3/14
KB

Project Information

Project Name: Aerovox Bioprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/17/13 1/10/14

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 _____

Additional Project Information:

12/19: updates per JL-MG

ANALYSIS	SVOC: <input checked="" type="checkbox"/> PCBs <input checked="" type="checkbox"/> BSA <input type="checkbox"/> SZA2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAR <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges Only <input type="checkbox"/> Ranges Only	Total Solids (from PCB)	Fingerprint
----------	--	---	---	---	---	--	-------------------------	-------------

SAMPLE INFO

Filtration
 Field
 Lab to do
Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC	METALS	METALS	EPH	VPH	TPH	Total Solids	Fingerprint	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time														
2502-0	B07A(0-2)	12.9.13	1440	S	JKH												1
02	B07A(2-5)		1445	S	JKH											CVOC	4
03	B07A(3-5)		1450	S	JKH											HOLD	1
04	B07A(8-10)		1451	S	JKH											HOLD	1
05	B07A(13-15)		1452	S	JKH											HOLD	1
06	B07A(18-20)		1453	S	JKH											HOLD	1
07	B07A(23-25)		1454	S	JKH											HOLD	1
08	TB-05			TB												CVOC	3
09	B07B(0-2)	12.10.13	0845	S	JKH												1
04	B07B(3-5)	12.10.13	0846	S	JKH											HOLD	1

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O8
J= Ascorbic Acid
K= NH4Cl
L= Zn Acetate
O= Other

Relinquished By: [Signature] Date/Time: 12/10/13 1505
Received By: [Signature] Date/Time: 12/10/13 1505
Relinquished By: [Signature] Date/Time: 12/10/13 1750
Received By: [Signature] Date/Time: 12/10/13 1745

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FORM NO. 01-01 (rev. 12-Mar-2012)

1/31/14
KPB



CHAIN OF CUSTODY

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Date Rec'd in Lab: 12/10/13 ALPHA Job #: 11825052

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744057.10003
Project Manager: J. LeClair/m. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/11/13 1/10/14

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:	SVOC: <input checked="" type="checkbox"/> A-2300 <input checked="" type="checkbox"/> E-624 <input checked="" type="checkbox"/> E-624-2
METALS:	<input type="checkbox"/> ABN <input type="checkbox"/> PAH
METALS:	<input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15
EPH:	<input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 <input type="checkbox"/> RCP 13
VPH:	<input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
PCB:	<input checked="" type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
TPH:	<input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint
<u>Total Solids (from PCB)</u>	

SAMPLE INFO
Filtration
 Field
 Lab to do
Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES		
		Date	Time			SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	Fingerprint					
25052-31	B07D (30-31)	12.10.13	1236	S	JKH													HOLD	1
32	B08D (0-2)		1355	S	JKH														1
05-33	B08D (3-5)		1356	S	JKH													HOLD	1
34	B08D (8-10)		1357	S	JKH													HOLD	1
35	B08D (12-5)		1400	S	JKH	3												CVOC	4
36	B08D (13-15)		1401	S	JKH													HOLD	1
37	B08D (18-20)		1402	S	JKH													HOLD	1
38	B08D (23-25)		1403	S	JKH													HOLD	1
39	B08D (27.5-29.5)	✓	1404	S	JKH													HOLD	1

Container Type
P= Plasto
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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O8
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/10/13 1505</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/10/13 1505</u>
<u>[Signature]</u>	<u>12/10/13 1400</u>	<u>[Signature]</u>	<u>12/10/13 1600</u>
<u>[Signature]</u>	<u>12/10/13 1700</u>	<u>[Signature]</u>	<u>12/10/13 1710</u>

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FORM NO: 01-01 (rev. 12-Mar-2012)

11/3/14
KBS



CHAIN OF CUSTODY

PAGE 1 OF 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-622-8300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair / M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/11/13 1/10/14

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	SVOC: <input checked="" type="checkbox"/> 224 <input type="checkbox"/> 9242
	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15
	EPH: <input type="checkbox"/> RCRAs <input type="checkbox"/> RCR48 <input type="checkbox"/> PPI3
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint
	<u>Total Solids (from Rep)</u>

SAMPLE INFO

Filtration
 Field
 Lab to do
Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES			
		Date	Time			SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids (from Rep)	Filtration	Preservation					
2573	B08C (0-2)	12-11-13	0924	S	JKH															1
06	B08C (3-5)		0925	S	JKH														HOLD	1
	B08C (13-15)		0927	S	JKH														HOLD	1
	B08C (18-20)		0928	S	JKH														HOLD	1
	B08C (23-25)		0929	S	JKH														HOLD	1
	B08C (28-30)		0930	S	JKH	3									X				CVOC	4
	B08C (30-31)		0931	S	JKH														HOLD	1
	TB-06					3													CVOC	3
	B08B (0-2)		1220	S	JKH															1
09	B08B (3-5)		1221	S	JKH														HOLD	1

- 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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V Preservative D

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>12/11/13 1505</u>	<u>[Signature]</u>	<u>12/11/13 1505</u>
<u>[Signature]</u>	<u>12/11/13 1545</u>	<u>[Signature]</u>	<u>12/11/13 1545</u>
<u>[Signature]</u>	<u>12/11/13 1730</u>	<u>[Signature]</u>	<u>12/11/13 1730</u>

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FORM NO. 03-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 12/11/13 ALPHA Job #: 132517

Client Information
 Client: URS
 Address: 1155 Elm St, Suite 401
 Manchester, NH 03101
 Phone: (603) 606-4800
 Email: judith.leclair@urs.com

Project Information

Project Name: *Aerovox Geoprobe*
 Project Location: *New Bedford, MA*
 Project #: *39744051.10003*
 Project Manager: *J. Leclair/M. Wade*
 ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL 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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
 Date Due: *12/10/13 1/10/14*

ANALYSIS		SAMPLE INFO	
SVOC: <input checked="" type="checkbox"/> 228 <input type="checkbox"/> 229 <input type="checkbox"/> 231 <input type="checkbox"/> 232	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> CRCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPT 13	<input type="checkbox"/> Field	
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Preservation	
<i>TOTAL SOLIDS (PERMAB)</i>		<input type="checkbox"/> Lab to do	
		Sample Comments	

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATIVE	CONTAINER TYPE	TOTAL SOLIDS	SAMPLE INFO	TOTAL BOTTLES
		Date	Time								
<i>2-17</i>	B08B(8-10)	12-11-13	1222	S	JKH						1
	B08B(13-15)		1223	S	JKH						1
	B08B(18-20)		1224	S	JKH						1
	B08B(23-25)		1225	S	JKH						1
	B08B(26.5)		1226	S	JKH	3			X		4
	B08B(28-30)		1227	S	JKH						1
	B08B(31-33)		1228	S	JKH						1

Container Type	Preservative	Container Type	Preservative
P= Plastic	A= None	V	G
A= Amber glass	B= HCl		A
V= Vial	C= HNO3		
G= Glass	D= H2SO4		
B= Bacteria cup	E= NaOH		
C= Cube	F= MeOH		
O= Other	G= NaHSO4		
E= Encore	H= Na2S2O3		
D= BOD Bottle	I= Ascorbic Acid		
	J= NH4Cl		
	K= Zn Acetate		
	L= Other		

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Jeffrey Handberg</i>	12/11/13 1509	<i>Richard Scott</i>	12/11/13 1730
<i>M. Wade</i>	12/11/13 1545		
<i>J. Leclair</i>	12/11/13 1730		

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 FORM NO: 311-01 (rev. 12-Mar-2012)

1/3/4
KB

4400741

1/3/14
KB



CHAIN OF CUSTODY

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Date Rec'd In Lab: 12/12/13

ALPHA Job #: L325289

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe

Project Location: New Bedford, MA

Project #: 39744051.10003

Project Manager: J. Leclaire/M. Wade

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 12/19/13 1/10/14

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client Info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Additional Project Information:

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		SAMPLE INFO	
SYOC: <input type="checkbox"/> PCB	<input type="checkbox"/> ARN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS 8 <input type="checkbox"/> PPI13	<input type="checkbox"/> Lab to do	
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Preservation	<input type="checkbox"/> Lab to do
YPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> PCB <input type="checkbox"/> PEST		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint			
Total Solids (from PCB)			

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SYOC	METALS	METALS	EPH	YPH	TPH	Total Solids (from PCB)	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time													
25284-01	B09A (0-2)	12/11/13	1532	S	JKH											1
01	B09A (3-5)		1533	S	JKH									HOLD		1
02	B09A (8-10)		1534	S	JKH									HOLD		1
03	B09A (13-15)		1535	S	JKH									HOLD		1
04	B09A (18-20)		1536	S	JKH									HOLD		1
05	B09A (23-25)		1537	S	JKH									HOLD		1
06	B09A (28-30)		1538	S	JKH									HOLD		1
07	B09A (33-35)		1539	S	JKH									HOLD		1
08	B09A (35-37)		1540	S	JKH											4
09	TB07			TB												3

- | | |
|-----------------------|--|
| Container Type | Preservative |
| F= Plastic | A= None |
| A= Amber glass | B= HCl |
| V= Vial | C= HNO ₃ |
| G= Glass | D= H ₂ SO ₄ |
| B= Bacteria cup | E= NaOH |
| C= Cube | F= MeOH |
| O= Other | G= NaHSO ₄ |
| E= Encore | H= Na ₂ S ₂ O ₈ |
| D= BOD Bottle | I= Ascorbic Acid |
| | J= NH ₄ Cl |
| | K= Zn Acetate |
| | L= Other |

Container Type: V G

Preservative: D A

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>12/12/13 1526</u>	<u>[Signature]</u>	<u>12/12/13 1526</u>
<u>[Signature]</u>	<u>12/12/13 1630</u>	<u>[Signature]</u>	<u>12/12/13 1630</u>
<u>[Signature]</u>	<u>12/12/13 1810</u>	<u>[Signature]</u>	<u>12/12/13 1810</u>

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FORM NO: 01-01 (rev. 12-Mar-2012)

1/31/14
LB



CHAIN OF CUSTODY

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Date Rec'd in Lab: 12/12/13 ALPHA Job #: 4325289

8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-8300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL Same as Client Info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/19/13 1/10/14

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	SYOC: <input checked="" type="checkbox"/> 8200 <input type="checkbox"/> 8224 <input type="checkbox"/> 8227	METALS: <input type="checkbox"/> ABW <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPH13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	APP/PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Total Solids (from ALB)	SAMPLE INFO
									Filtration
									<input type="checkbox"/> Field
									<input type="checkbox"/> Lab to do
									Preservation
									<input type="checkbox"/> Lab to do
									Sample Comments

TOTAL # BOTTLES

10

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	SYOC	METALS	METALS	EPH	VPH	APP/PCB	TPH	Total Solids	Sample Comments	TOTAL # BOTTLES
		Date	Time												
05284-21	B09B(3-5)	12-12-13	1511	S	JKH									HOLD	1
-22	B09B(8-10)		1512	S	JKH									HOLD	1
-23	B09B(13-15)		1513	S	JKH									HOLD	1
-24	B09B(18-20)		1514	S	JKH									HOLD	1
-25	B09B(20.5)		1515	S	JKH	3						X		HOLD	4
-26	B09B(23-25)		1516	S	JKH									HOLD	1
-27	B09B(28-30)		1517	S	JKH									HOLD	1
-28	B09B(33-35)		1518	S	JKH									HOLD	1

Container Type	Preservative	Container Type	V	G
Preservative	O	A		

- 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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Relinquished By: [Signature] Date/Time: 12/12/13 1526
Received By: [Signature] Date/Time: 12/12/13 1526

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 12/13/13 ALPHA Job #: 1325396

13/14
113

8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Project Information

Project Name: Aerover Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/20/13 1/10/14

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	SVOC: <input checked="" type="checkbox"/> Benzene <input type="checkbox"/> Toluene <input type="checkbox"/> Ethyl Benzene <input type="checkbox"/> Xylene
	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15
	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPI13
	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
	APCB <input type="checkbox"/> PEST
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint
	Total Solids (from PCB)

SAMPLE INFO

Filtration
 Field Lab to do
Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials								Sample Comments	
		Date	Time											
25396-01	TB-08	12-13-13		TB	JKH	3							CVOC	3
02	B09C (0-2)		1050	S	JKH									1
11 03	B09C (3-5)		1051	S	JKH								HOLD	1
04	B09C (8-10)		1052	S	JKH								HOLD	1
05	B09C (13-15)		1053	S	JKH								HOLD	1
06	B09C (18-20)		1054	S	JKH								HOLD	1
07	B09C (23-25)		1055	S	JKH	3					X		CVOC	4
08	B09C (28-30)		1056	S	JKH								HOLD	1
09	B09C (32.5-34.5)		1057	S	JKH								HOLD	1
10	B09D (0-2)		1437	S	JKH									1

Container Type	Preservative	Container Type	Preservative
P= Plastic	A= None	V	
A= Amber glass	B= HCl		
V= Vial	C= HNO3		
G= Glass	D= H2SO4		
B= Bacteria cup	E= NaOH		
C= Cube	F= MeOH		
O= Other	G= NaHSO4		
E= Encore	H= Na2S2O8		
D= BOD Bottle	I= Ascorbic Acid		
	J= NH4Cl		
	K= Zn Acetate		
	L= Other		

Relinquished By:	Date/Time	Received By:	Date/Time
<u>Judith Leclair</u>	<u>12/13/13 1530</u>	<u>M. Wade</u>	<u>12/13/13 1570</u>
<u>M. Wade</u>	<u>12/13/13 1530</u>	<u>Judith Leclair</u>	<u>12/13/13 1600</u>

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FORM NO: 01.01 (rev. 12-Mar-2012)

1/3/14
KLB



CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 12/13/13 ALPHA Job #: L13-25396

8 Walkup Drive Westboro, MA 01581 Tel: 508-888-9220
320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL 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

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/20/13 1/10/14

Additional Project Information:

ANALYSIS

SVOC: Benzene Ethyl Benzene Toluene Xylene

METALS: ABN PAH

METALS: MCP 13 MCP 14 RCP 15

EPH: RCRA5 RCRA8 PP13

VPH: Ranges & Targets Ranges Only

PCB: Ranges & Targets Ranges Only

TPH: Quant Only Fingerprint

Total Solids (from PCB)

SAMPLE INFO

Filtration
 Field Lab to do

Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES	
		Date	Time			SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	Filtration	Preservation			
12-25396-1	B09D (3-5)	12-13-13	1438	S	JKH													1
12-25396-2	B09D (8-10)		1439	S	JKH													1
12-25396-3	B09D (13-15)		1440	S	JKH													4
12-25396-4	B09D (18-20)		1441	S	JKH													
12-25396-5	B09D (23-25)		1442	S	JKH													
12-25396-6	B09D (28-30)		1443	S	JKH													
12-25396-7	B09D (33-35)		1444	S	JKH													
12-25396-8	B09D (36-38)		1445	S	JKH													

Container Type: V G A
Preservative: D A

- 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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O8
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Relinquished By: [Signature] Date/Time: 12/13/13 1530
Received By: [Signature] Date/Time: 12/13/13 1530

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 12/10/13 ALPHA Job #: 1325514

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Beeprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL Same as Client info PO #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/23/13

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

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Judith.leclair@urs.com

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> Hexachlorocyclopentadiene <input type="checkbox"/> PCBs <input type="checkbox"/> BSL <input type="checkbox"/> BSL2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAB <input type="checkbox"/> RCP 13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Other Solids (from PCB)	SAMPLE INFO	TOTAL # BOTTLES
								Filtration		
								<input type="checkbox"/> Field		
								<input type="checkbox"/> Lab to do		
								Preservation		
								<input type="checkbox"/> Lab to do		
								Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	CONTAINER	PRESERVATIVE	COMMENTS	TOTAL # BOTTLES
		Date	Time							
25514-01	B10C (0-2)	12-16-13	0930	S	JKH					1
02	B10C (3-5)		0931	S	JKH				HOLD	1
03	B10C (8-10)		0932	S	JKH				HOLD	1
04	B10C (11.5)		0933	S	JKH	B		X	CVOC	4
05	B10C (13-15)		0934	S	JKH				HOLD	1
06	B10C (18-20)		0935	S	JKH				HOLD	1
07	B10C (23-25)		0936	S	JKH				HOLD	1
08	TB-09			TB		B			CVOC	3
09	B10B (0-2)		1200	S	JKH					1
10	B10B (3-5)		1201	S	JKH				HOLD	1

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= HNO3 D= H2SO4 E= NaOH F= MeOH G= NaHSO4 H= Na2S2O8 I= Ascorbic Acid J= NH4Cl K= Zn Acetate O= Other	Container Type V G A	Preservative O	Relinquished By: <u>Judith LeClair</u> Date/Time: <u>12/10/13 1570</u>	Received By: <u>W. Wade</u> Date/Time: <u>12/10/13 1570</u>	Date/Time: <u>12/10/13 1610</u>	Date/Time: <u>12/10/13 1720</u>	All samples submitted are subject to Alpha's Terms and Conditions. See reverse side. FORM NO: 01-01 (rev. 12-Mar-2012)
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1/3/14
WJ

1/3/14
VJB



CHAIN OF CUSTODY

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Date Rec'd in Lab: 12/16/13 ALPHA Job #: 6325519

8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

Project Information

Project Name: Aerover Geoprobe
Project Location: New Bedford, MA
Project #: 39744057.10003
Project Manager: J. LeClair/m. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL 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

Client Information

Client: URS
Address: 155 Elm St, Suite 401 Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/23/13 / 1/10/14

ANALYSIS	SVOC: <input checked="" type="checkbox"/> PCBs <input type="checkbox"/> E-524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL # BOTTLES
	<u>Total Solids (from PCB)</u>							

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CLOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Sample Comments	TOTAL # BOTTLES
		Date	Time												
255177/1	B10B(8-10)	12/16/13	1202	S	JKH									HOLD	1
12	B10B(13-15)		1203	S	JKH									HOLD	1
13	B10B(18-20)		1204	S	JKH									HOLD	1
14	B10B(23-25)		1205	S	JKH									HOLD	1
15	B10B(25.5)		1206	S	JKH	B						X		CVOC	4
16	B10B(28-30)		1208	S	JKH									HOLD	1
17	B10B(31-33)		1209	S	JKH									HOLD	1
18	DUP-04		1207	S	JKH	B						X		CVOC	4
19	B10A(0-2)		1510	S	JKH										
20	B10A(3-5)		1511	S	JKH									HOLD	1

Container Type	Preservative	Container Type	Preservative
P= Plastic	A= None	V	G
A= Amber glass	B= HCl		A
V= Vial	C= HNO ₃		
G= Glass	D= H ₂ SO ₄		
B= Bacteria cup	E= NaOH		
C= Cube	F= MeOH		
O= Other	G= NaHSO ₄		
E= Encore	H= Na ₂ S ₂ O ₈		
D= BOD Bottle	I= Ascorbic Acid		
	J= NH ₄ Cl		
	K= Zn Acetate		
	O= Other		

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	12/16/13 1530	<u>[Signature]</u>	12/16/13 1530
<u>[Signature]</u>	12/16/13 1640	<u>[Signature]</u>	12/16/13 1640
<u>[Signature]</u>	12/16/13 1720	<u>[Signature]</u>	12/16/13 1720

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

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Date Rec'd in Lab: 12/17/13 ALPHA Job #: 1325606

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Project Information
 Project Name: Aerovox Geoprobe
 Project Location: New Bedford, MA
 Project #: 29744051.10003
 Project Manager: J. Leclair/M. Wade
 ALPHA Quote #:

Report Information - Data Deliverables
 ADEx EMAIL
Billing Information
 Same as Client info PO #:

Client Information
 Client: URS
 Address: 1155 Elm St, Suite 401
Manchester, NH 03101
 Phone: (603) 606-4800
 Email: judith.leclair@urs.com

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

Additional Project Information:

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
 Date Due: 12/24/13 / 1/10/14

ANALYSIS	SVOC: <input checked="" type="checkbox"/> B-54 <input type="checkbox"/> B-52A-2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP-13 <input type="checkbox"/> MCP-14 <input type="checkbox"/> RCP-15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
Total Solids (from PCB) Total Solids (from PCB)									

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES		
		Date	Time			SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Other	Other					
1	B01A (6-8)	12-17-13	1001	S	JKH													1	
2	B01A (8-10)		1002	S	JKH	3												CVOC	4
3	B01A (13-15)		1003	S	JKH													HOLD	1
4	B01A (18-20)		1004	S	JKH													HOLD	1
5	B01A (20-22)		1005	S	JKH													HOLD	1
6	TB-10			TB		3												CVOC	3
7	B01B (6.5-8)		1115	S	JKH														1
8	B01B (8-10)		1116	S	JKH													HOLD	1
9	B01B (13-15)		1117	S	JKH	3												CVOC	4
10	B01B (15.5-17.5)		1118	S	JKH													HOLD	1

Container Type: V G A
 Preservative: 0 A

- 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= HNO3
 D= H2SO4
 E= NaOH
 F= MeOH
 G= NaHSO4
 H= Na2S2O8
 I= Ascorbic Acid
 J= NH4Cl
 K= Zn Acetate
 O= Other

Relinquished By: Judith Leclair Date/Time: 12/17/13 1500
 Received By: J. Leclair Date/Time: 12/17/13 1700

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 FORM NO: 01-01 (rev. 12-Mar-2012)

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CHAIN OF CUSTODY

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8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe

Project Location: New Bedford, MA

Project #: 39744057-10003

Project Manager: J. Leclair/M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client Info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 0301

Phone: (603) 606-4800

Email: Judith.Leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/26/13 / 1/10/14

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

Additional Project Information:

ANALYSIS		TOTAL # BOTTLES
SVOC: <input checked="" type="checkbox"/> PCBs <input checked="" type="checkbox"/> PCBs <input checked="" type="checkbox"/> PCBs		
METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH		SAMPLE INFO
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15		
EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8		Filtration
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		<input type="checkbox"/> Field
PCB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		<input type="checkbox"/> Lab to do
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		Preservation
<u>Total Solids (Form PWS)</u>		<input type="checkbox"/> Lab to do
Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	TOTAL # BOTTLES
		Date	Time				
01	TB-11	12-17-13		TB			3
02	B02B (9-11)		1545	S	JKH		1
03	B02B (13-15)		1546	S	JKH		1
04	B02B (18-20)		1547	S	JKH		4
05	B02B (23-25)		1548	S	JKH		1
06	B02B (25-27)		1549	S	JKH		1
07	B02A (4-6)	12-18-13	0910	S	JKH		4
08	B02A (8-10)		0911	S	JKH		1
09	B02A (13-15)		0912	S	JKH		1
10	B02A (18-20)		0913	S	JKH		1

Container Type: V Preservative: A

Relinquished By: [Signature] Date/Time: 12/18/13 1543

Received By: [Signature] Date/Time: 12/18/13 1545

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

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8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-8300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051-10003
Project Manager: J. LeClair/A. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: Judith.Leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/26/13 1/10/14

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	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 8242	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL # BOTTLES
	<u>Total Solids (from PCB)</u>							

SAMPLE INFO

Filtration
 Field
 Lab to do
Preservation
 Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Sample Comments	TOTAL # BOTTLES
		Date	Time												
	B02A (20.5-22.5)	12-18-13	0914	S	JKH									HOLD	1
	B03A (4-6)		1025	S	JKH									CVOC	4
	B03A (8-10)		1026	S	JKH									HOLD	1
	B03A (10.5-12.5)		1027	S	JKH									HOLD	1
	B03B (7-10)		1225	S	JKH										1
	B03B (10.5) (10.5)		1226	S	JKH									CVOC	4
	B03B (11-13)		1227	S	JKH									HOLD	1
	B07.5BC (0-2)		1500	S	JKH										1
	B07.5BC (3-5)		1501	S	JKH									HOLD	4
	B07.5BC (8-10)		1502	S	JKH									HOLD	4

Container Type	Preservative	Container Type	Preservative
P= Plastic	A= None	V	O
A= Amber glass	B= HCl		
V= Vial	C= HNO3		
G= Glass	D= H2SO4		
B= Bacteria cup	E= NaOH		
C= Cube	F= MeOH		
O= Other	G= NaHSO4		
E= Encore	H= Na2S2O8		
D= BOD Bottle	I= Ascorbic Acid		
	J= NH4Cl		
	K= Zn Acetate		
	L= Other		

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>12/18/13 1843</u>	<u>[Signature]</u>	<u>12/18/13 1843</u>
<u>[Signature]</u>	<u>12-18-13 1843</u>	<u>[Signature]</u>	<u>12-18-13 1845</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

1/3/14
URB



ANALYTICAL REPORT

Lab Number:	L1400770
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	01/10/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400770
Report Date: 01/10/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1400770-01	MIP03 (3-5)	NEW BEDFORD, MA	12/19/13 08:41
L1400770-02	MIP11 (3-5)	NEW BEDFORD, MA	12/19/13 10:41
L1400770-03	MIP11 (8-10)	NEW BEDFORD, MA	12/19/13 10:42
L1400770-04	MIP15 (21.5-22.5)	NEW BEDFORD, MA	12/19/13 14:06
L1400770-05	MIP15 (26)	NEW BEDFORD, MA	12/19/13 14:09
L1400770-06	MIP15 (28-30)	NEW BEDFORD, MA	12/19/13 14:10
L1400770-07	MIP23 (5-6)	NEW BEDFORD, MA	12/20/13 09:02
L1400770-08	MIP23 (8-10)	NEW BEDFORD, MA	12/20/13 09:03
L1400770-09	MIP23 (13-15)	NEW BEDFORD, MA	12/20/13 09:04
L1400770-10	MIP23 (26)	NEW BEDFORD, MA	12/20/13 09:07
L1400770-11	B08BC (13-15)	NEW BEDFORD, MA	12/20/13 10:53

Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400770
Report Date: 01/10/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400770
Report Date: 01/10/14

Case Narrative (continued)

MCP Related Narratives

PCBs

In reference to question G:

L1400770-02 through -07: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1400770-03 through -07 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples.

Re-extraction was not required; therefore, the results of the original analyses 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:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 01/10/14

ORGANICS

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-01
Client ID: MIP03 (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/08/14 13:14
Analyst: JW
Percent Solids: 76%

Date Collected: 12/19/13 08:41
Date Received: 12/19/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

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	24.6	--	1	A
Aroclor 1254	283		ug/kg	36.9	--	1	B
Aroclor 1260	ND		ug/kg	24.6	--	1	A
Aroclor 1262	ND		ug/kg	12.3	--	1	A
Aroclor 1268	ND		ug/kg	12.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-02
Client ID: MIP11 (3-5)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/08/14 16:32
Analyst: JW
Percent Solids: 89%

Date Collected: 12/19/13 10:41
Date Received: 12/19/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	108	--	5	A
Aroclor 1221	ND		ug/kg	108	--	5	A
Aroclor 1232	ND		ug/kg	108	--	5	A
Aroclor 1242	ND		ug/kg	108	--	5	A
Aroclor 1248	ND		ug/kg	72.1	--	5	A
Aroclor 1254	919		ug/kg	108	--	5	B
Aroclor 1260	ND		ug/kg	72.1	--	5	A
Aroclor 1262	ND		ug/kg	36.1	--	5	A
Aroclor 1268	ND		ug/kg	36.1	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	123		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-03
Client ID: MIP11 (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/08/14 16:45
Analyst: JW
Percent Solids: 82%

Date Collected: 12/19/13 10:42
Date Received: 12/19/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	230	--	10	A
Aroclor 1221	ND		ug/kg	230	--	10	A
Aroclor 1232	ND		ug/kg	230	--	10	A
Aroclor 1242	ND		ug/kg	230	--	10	A
Aroclor 1248	ND		ug/kg	154	--	10	A
Aroclor 1254	2090		ug/kg	230	--	10	B
Aroclor 1260	ND		ug/kg	154	--	10	A
Aroclor 1262	ND		ug/kg	76.8	--	10	A
Aroclor 1268	ND		ug/kg	76.8	--	10	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-04 D
 Client ID: MIP15 (21.5-22.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/09/14 18:26
 Analyst: JW
 Percent Solids: 85%

Date Collected: 12/19/13 14:06
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/07/14 08:26
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/08/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	112000	--	5000	A
Aroclor 1221	ND		ug/kg	112000	--	5000	A
Aroclor 1232	ND		ug/kg	112000	--	5000	A
Aroclor 1242	1240000		ug/kg	112000	--	5000	A
Aroclor 1248	ND		ug/kg	75000	--	5000	A
Aroclor 1254	405000		ug/kg	112000	--	5000	B
Aroclor 1260	ND		ug/kg	75000	--	5000	A
Aroclor 1262	ND		ug/kg	37500	--	5000	A
Aroclor 1268	ND		ug/kg	37500	--	5000	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-05 D
Client ID: MIP15 (26)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/09/14 18:39
Analyst: JW
Percent Solids: 82%

Date Collected: 12/19/13 14:09
Date Received: 12/20/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	58200	--	2500	A
Aroclor 1221	ND		ug/kg	58200	--	2500	A
Aroclor 1232	ND		ug/kg	58200	--	2500	A
Aroclor 1242	964000		ug/kg	58200	--	2500	A
Aroclor 1248	ND		ug/kg	38800	--	2500	A
Aroclor 1254	354000		ug/kg	58200	--	2500	B
Aroclor 1260	ND		ug/kg	38800	--	2500	A
Aroclor 1262	ND		ug/kg	19400	--	2500	A
Aroclor 1268	ND		ug/kg	19400	--	2500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-06 D
Client ID: MIP15 (28-30)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/09/14 12:30
Analyst: JW
Percent Solids: 87%

Date Collected: 12/19/13 14:10
Date Received: 12/20/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	11100	--	500	A
Aroclor 1221	ND		ug/kg	11100	--	500	A
Aroclor 1232	ND		ug/kg	11100	--	500	A
Aroclor 1242	141000		ug/kg	11100	--	500	B
Aroclor 1248	ND		ug/kg	7380	--	500	A
Aroclor 1254	48800		ug/kg	11100	--	500	B
Aroclor 1260	ND		ug/kg	7380	--	500	A
Aroclor 1262	ND		ug/kg	3690	--	500	A
Aroclor 1268	ND		ug/kg	3690	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-07 D
 Client ID: MIP23 (5-6)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/09/14 18:53
 Analyst: JW
 Percent Solids: 73%

Date Collected: 12/20/13 09:02
 Date Received: 12/20/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/07/14 08:26
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/08/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	93500	--	2500	A
Aroclor 1221	ND		ug/kg	93500	--	2500	A
Aroclor 1232	ND		ug/kg	93500	--	2500	A
Aroclor 1242	1010000		ug/kg	93500	--	2500	B
Aroclor 1248	ND		ug/kg	62400	--	2500	A
Aroclor 1254	299000		ug/kg	93500	--	2500	A
Aroclor 1260	ND		ug/kg	62400	--	2500	A
Aroclor 1262	ND		ug/kg	31200	--	2500	A
Aroclor 1268	ND		ug/kg	31200	--	2500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-08
Client ID: MIP23 (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/08/14 14:46
Analyst: JW
Percent Solids: 58%

Date Collected: 12/20/13 09:03
Date Received: 12/20/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.6	--	1	A
Aroclor 1221	ND		ug/kg	47.6	--	1	A
Aroclor 1232	ND		ug/kg	47.6	--	1	A
Aroclor 1242	520		ug/kg	47.6	--	1	B
Aroclor 1248	ND		ug/kg	31.7	--	1	A
Aroclor 1254	177		ug/kg	47.6	--	1	B
Aroclor 1260	ND		ug/kg	31.7	--	1	A
Aroclor 1262	ND		ug/kg	15.9	--	1	A
Aroclor 1268	ND		ug/kg	15.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-09
Client ID: MIP23 (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/08/14 14:59
Analyst: JW
Percent Solids: 79%

Date Collected: 12/20/13 09:04
Date Received: 12/20/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

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	237		ug/kg	36.0	--	1	B
Aroclor 1248	ND		ug/kg	24.0	--	1	A
Aroclor 1254	74.0		ug/kg	36.0	--	1	B
Aroclor 1260	ND		ug/kg	24.0	--	1	A
Aroclor 1262	ND		ug/kg	12.0	--	1	A
Aroclor 1268	ND		ug/kg	12.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-10
Client ID: MIP23 (26)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/08/14 15:12
Analyst: JW
Percent Solids: 80%

Date Collected: 12/20/13 09:07
Date Received: 12/20/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.8	--	1	A
Aroclor 1221	ND		ug/kg	23.8	--	1	A
Aroclor 1232	ND		ug/kg	23.8	--	1	A
Aroclor 1242	44.2		ug/kg	23.8	--	1	B
Aroclor 1248	ND		ug/kg	15.9	--	1	A
Aroclor 1254	ND		ug/kg	23.8	--	1	B
Aroclor 1260	ND		ug/kg	15.9	--	1	A
Aroclor 1262	ND		ug/kg	7.93	--	1	A
Aroclor 1268	ND		ug/kg	7.93	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-11
Client ID: B08BC (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/08/14 15:26
Analyst: JW
Percent Solids: 87%

Date Collected: 12/20/13 10:53
Date Received: 12/20/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/07/14 08:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.8	--	1	A
Aroclor 1221	ND		ug/kg	21.8	--	1	A
Aroclor 1232	ND		ug/kg	21.8	--	1	A
Aroclor 1242	248		ug/kg	21.8	--	1	A
Aroclor 1248	ND		ug/kg	14.5	--	1	A
Aroclor 1254	ND		ug/kg	21.8	--	1	A
Aroclor 1260	ND		ug/kg	14.5	--	1	A
Aroclor 1262	ND		ug/kg	7.26	--	1	A
Aroclor 1268	ND		ug/kg	7.26	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 01/08/14 15:39
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 01/07/14 08:26
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/08/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-11 Batch: WG663203-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.38	--	A
Aroclor 1268	ND		ug/kg	6.38	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	123		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-11 Batch: WG663203-2 WG663203-3									
Aroclor 1016	82		81		40-140	1		30	A
Aroclor 1260	101		106		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		88		30-150	A
Decachlorobiphenyl	115		120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		92		30-150	B
Decachlorobiphenyl	125		130		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-01
 Client ID: MIP03 (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 08:41
 Date Received: 12/19/13
 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	76.0		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-02
 Client ID: MIP11 (3-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 10:41
 Date Received: 12/19/13
 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	89.2		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-03
 Client ID: MIP11 (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 10:42
 Date Received: 12/19/13
 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	82.2		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-04
 Client ID: MIP15 (21.5-22.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 14:06
 Date Received: 12/20/13
 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	84.6		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-05
 Client ID: MIP15 (26)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 14:09
 Date Received: 12/20/13
 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	81.6		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-06
 Client ID: MIP15 (28-30)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 14:10
 Date Received: 12/20/13
 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	87.2		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-07
Client ID: MIP23 (5-6)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/20/13 09:02
Date Received: 12/20/13
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	73.3		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-08
 Client ID: MIP23 (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/20/13 09:03
 Date Received: 12/20/13
 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	58.1		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-09
 Client ID: MIP23 (13-15)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/20/13 09:04
 Date Received: 12/20/13
 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	78.5		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE

Lab Number: L1400770

Project Number: 39744051.10003

Report Date: 01/10/14

SAMPLE RESULTS

Lab ID: L1400770-10
 Client ID: MIP23 (26)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/20/13 09:07
 Date Received: 12/20/13
 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	79.8		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**SAMPLE RESULTS**

Lab ID: L1400770-11
Client ID: B08BC (13-15)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/20/13 10:53
Date Received: 12/20/13
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	86.9		%	0.100	NA	1	-	01/07/14 03:26	30,2540G	DE



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1400770

Report Date: 01/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG663188-1 QC Sample: L1400790-04 Client ID: DUP Sample						
Solids, Total	49.1	49.8	%	1		20

Project Name: AEROVOX GEOPROBE**Lab Number:** L1400770**Project Number:** 39744051.10003**Report Date:** 01/10/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1400770-01A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-02A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-03A	Amber 120ml unpreserved	A	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-04A	Amber 120ml unpreserved	B	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-05A	Amber 120ml unpreserved	B	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-06A	Amber 120ml unpreserved	B	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-07A	Amber 120ml unpreserved	B	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-08A	Amber 120ml unpreserved	B	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-09A	Amber 120ml unpreserved	B	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-10A	Amber 120ml unpreserved	B	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1400770-11A	Amber 120ml unpreserved	B	N/A	2.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400770
Report Date: 01/10/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400770
Report Date: 01/10/14

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1400770
Report Date: 01/10/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 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 VIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF

8 Walkup Drive
Westboro, MA 01581
Tel: 508-896-8220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-622-9300

Date Rec'd in Lab: 12/19/13

ALPHA Job #: L1325849

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS

Address: 155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Project Information

Project Name: Aerovoo Geoprobe

Project Location: New Bedford, MA

Project #: 39744051.10003

Project Manager: J. Leclair/M. Wade

ALPHA Quote #:

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

Additional Project Information:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/27/13 / 1/13/14

ANALYSIS

SVOC: PCB PAH S242

METALS: ABN PAH

METALS: MCP 13 MCP 14 RCP 15

EPH: RCR45 RCR46 RCR48

YPH: Ranges & Targets Ranges Only

PCB: Ranges & Targets Ranges Only

TPH: PEST Quant Only Fingerprint

Total Solids (from PCB)

SAMPLE INFO

Filtration

Field Lab to do

Preservation

Lab to do

TOTAL # BOTTLES

ALPHA LAB ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES		
		Date	Time			SVOC	METALS	METALS	EPH	YPH	PCB	TPH	Total Solids	Fingerprint					
5849-01	MIP03 (0-2)	12-19-13	0840	S	JKH													RUN	1
0710-02	MIP03 (3-5)		0841	S	JKH													HOLD ALL	4
-03	MIP03 (8-10)		0842	S	JKH													HOLD ALL	4
-04	MIP03 (12.5-13.5)		0843	S	JKH													HOLD PCB ONLY	4
-05	MIP03 (13.5-15)		0844	S	JKH													HOLD	4
-06	MIP11 (0-2)		1040	S	JKH													RUN	1
-07	MIP11 (3-5)		1041	S	JKH													HOLD	4
-08	MIP11 (8-10)		1042	S	JKH													HOLD	4
-09	MIP11 (13-15)		1043	S	JKH													HOLD	4
-10	MIP11 (18-20)		1044	S	JKH													HOLD	4

Container Type Plastic Amber glass Vial Glass Bacteria cup Cube Other

Preservative None HCl HNO₃ H₂SO₄ NaOH MeOH NaHSO₄ Na₂S₂O₃ Ascorbic Acid NH₄Cl Zn Acetate Other

Container Type V G

Preservative O A

Relinquished By: [Signature] Date/Time: 12/19/13 11:00

Received By: [Signature] Date/Time: 12/19/13 17:25

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 4

Date Rec'd in Lab: 12/20/13
 ALPHA Job #: 1225990

8 Walkup Drive
 Westboro, MA 01581
 Tel: 508-898-9220

320 Forbes Blvd
 Mansfield, MA 02048
 Tel: 508-822-8300

Project Information

Project Name: Aerovox Geoprobe
 Project Location: New Bedford, MA
 Project #: 39744051.10003
 Project Manager: J. LeClair/M. Wade
 ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client Info PO #:

Client Information

Client: URS
 Address: 155 Elm St, Suite 401
Manchester, NH 03101
 Phone: (603) 606-4800
 Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
 Date Due: 12/30/13 1/13/14

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

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input checked="" type="checkbox"/> 624 <input type="checkbox"/> 824.2
	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15
	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCR48
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
	APPB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
	TPH: <input type="checkbox"/> PEST
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint
	<u>Total Solids (ppm)</u>

SAMPLE INFO

Filtration
 Field Lab to do
 Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES		
		Date	Time			SVOC: <input checked="" type="checkbox"/> 8260 <input checked="" type="checkbox"/> 624 <input type="checkbox"/> 824.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCR48	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	APPB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<u>Total Solids (ppm)</u>					
<u>25990</u>	MIP15(0-2)	<u>12/19/13</u>	<u>1400</u>	<u>S</u>	<u>JLH</u>	<input checked="" type="checkbox"/>												<u>RUN</u>	<u>1</u>
<u>6070</u>	MIP15(3-5)		<u>1401</u>			<input checked="" type="checkbox"/>												<u>HOLD</u>	<u>4</u>
	MIP15(8)		<u>1402</u>			<input checked="" type="checkbox"/>												<u>RUN</u>	<u>4</u>
	MIP15(8-10)		<u>1403</u>			<input checked="" type="checkbox"/>												<u>RUN</u>	<u>4</u>
	MIP15(13-15)		<u>1404</u>			<input checked="" type="checkbox"/>												<u>HOLD</u>	<u>4</u>
	MIP15(18-20)		<u>1405</u>			<input checked="" type="checkbox"/>												<u>HOLD</u>	<u>4</u>
<u>4</u>	MIP15(21.5-22.5)		<u>1406</u>			<input checked="" type="checkbox"/>						<input type="checkbox"/>						<u>HOLD</u>	<u>4</u>
<u>8</u>	MIP15(24)		<u>1407</u>			<input checked="" type="checkbox"/>						<input type="checkbox"/>						<u>RUN</u>	<u>4</u>
<u>9</u>	DUP-05		<u>1408</u>			<input checked="" type="checkbox"/>						<input type="checkbox"/>						<u>RUN</u>	<u>4</u>
<u>610</u>	MIP15(26)		<u>1409</u>			<input checked="" type="checkbox"/>						<input type="checkbox"/>						<u>HOLD</u>	<u>4</u>

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₈
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Relinquished By: [Signature] Date/Time: 12/20/13 1545
 Received By: [Signature] Date/Time: 12/20/13 1545

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 FORM NO: 01-01 (rev. 12-Mai-2012)



CHAIN OF CUSTODY

PAGE 2 OF 4

Date Rec'd in Lab: 12/20/13 ALPHA Job #: 12-5970

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 29744051.10003
Project Manager: J. L. Clair / M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/11/13 11/13/14

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	SVOC: <input checked="" type="checkbox"/> 624 <input checked="" type="checkbox"/> 625	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	POB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
	Total BOTTLES (1000)								

ALPHA Lab ID (Lab User ID)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	POB	TPH	Sample Comments	
		Date	Time												
251906	MIP15 (28-30)	12/19/13	1410	S	JKH	3								HOLD	4
00770	TB-13	12/19/13		TB	JKH	3								RUN	3
113	MIP23 (0-2)	12/20/13	0900	S	JKH	3								RUN	1
114	MIP23 (4-5)		0901	S		3								Highest P/d	4
711	MIP23 (5-6)		0902			3								NAPL Present	4
812	MIP23 (8-10)		0903			3								HOLD	4
913	MIP23 (13-15)		0904			3								HOLD	4
1014	MIP23 (18-20)		0905			3								HOLD	4
1115	MIP23 (21)		0906			3								HOLD	4
1020	MIP23 (26)		0907			3								HOLD	4

- 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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V
Preservative O

Relinquished By: [Signature] Date/Time: 12/20/13 1545
Received By: [Signature] Date/Time: 12/20/13 1545

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 4

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-0220

320 Forbes Blvd
Mansfield, MA 02040
Tel: 508-822-9300

Date Rec'd In Lab: 12/20/13 ALPHA Job #: 1210077C

Project Information

Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 31744057.10023
Project Manager: J. Leclaire/Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 12/30/13 / 1/13/14

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

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> PAH	SYOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15 EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only PCB: <input checked="" type="checkbox"/> PEST TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	(Handwritten notes: ANALYSIS, SVOC, SYOC, METALS, EPH, VPH, PCB, TPH, Fingerprint, etc.)								

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SYOC	VPH	PCB	TPH	Fingerprint	Sample Comments	TOTAL # BOTTLES
		Date	Time										
<u>2070</u>	<u>B08BC (0-2)</u>	<u>12-20-13</u>	<u>1050</u>	<u>S</u>	<u>JXH</u>							<u>Use extra vol. for MS/MSD</u>	<u>3</u>
<u>21</u>	<u>B08BC (3-5)</u>		<u>1051</u>									<u>HOLD</u>	<u>4</u>
<u>22</u>	<u>B08BC (5-6)</u>		<u>1052</u>									<u>HIGHEST PID IN BOTTLE</u>	<u>4</u>
<u>23</u>	<u>B08BC (13-15)</u>		<u>1053</u>									<u>HOLD</u>	<u>4</u>
<u>24</u>	<u>B08BC (18-20)</u>		<u>1054</u>									<u>HOLD</u>	<u>4</u>
<u>25</u>	<u>B08BC (23-25)</u>		<u>1055</u>									<u>HOLD</u>	<u>4</u>
<u>26</u>	<u>B08BC (28-30)</u>		<u>1056</u>									<u>HOLD</u>	<u>4</u>
<u>27</u>	<u>B08BC (31-33)</u>		<u>1057</u>									<u>HOLD</u>	<u>4</u>
<u>28</u>	<u>MIP43 (0-2)</u>		<u>1200</u>									<u>RUN</u>	<u>1</u>
<u>30</u>	<u>MIP43 (4)</u>		<u>1201</u>									<u>Use extra vol of VOC bottles for MS/MSD</u>	<u>10</u>

Container Type
 F= 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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₈
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Relinquished by: [Signature] Date/Time: 12/20/13 1545

Received By: [Signature] Date/Time: 12/20/13 1545

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1401204
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	01/16/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1401204
Report Date: 01/16/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1401204-01	B07B (8-10)	NEW BEDFORD, MA	12/10/13 08:47
L1401204-02	B09B (8-10)	NEW BEDFORD, MA	12/12/13 15:12
L1401204-03	B09C (8-10)	NEW BEDFORD, MA	12/13/13 10:52
L1401204-04	B10C (8-10)	NEW BEDFORD, MA	12/16/13 09:32
L1401204-05	B10A (8-10)	NEW BEDFORD, MA	12/16/13 15:12
L1401204-06	B01A (18-20)	NEW BEDFORD, MA	12/17/13 10:04
L1401204-07	B01A (20-22)	NEW BEDFORD, MA	12/17/13 10:05
L1401204-08	B07.5BC (8-10)	NEW BEDFORD, MA	12/18/13 15:02
L1401204-09	B07.5BC (13-15)	NEW BEDFORD, MA	12/18/13 15:03
L1401204-10	MIP03 (12.5-13.5)	NEW BEDFORD, MA	12/19/13 08:43

Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1401204
Report Date: 01/16/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1401204
Report Date: 01/16/14

Case Narrative (continued)

MCP Related Narratives

PCBs

In reference to question G:

L1401204-09: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1401204-09 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (both 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 01/16/14

ORGANICS

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-01
Client ID: B07B (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/14/14 15:49
Analyst: KB
Percent Solids: 92%

Date Collected: 12/10/13 08:47
Date Received: 12/10/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/13/14 09:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.3	--	1	A
Aroclor 1221	ND		ug/kg	21.3	--	1	A
Aroclor 1232	ND		ug/kg	21.3	--	1	A
Aroclor 1242	ND		ug/kg	21.3	--	1	A
Aroclor 1248	ND		ug/kg	14.2	--	1	A
Aroclor 1254	ND		ug/kg	21.3	--	1	A
Aroclor 1260	ND		ug/kg	14.2	--	1	A
Aroclor 1262	ND		ug/kg	7.11	--	1	A
Aroclor 1268	ND		ug/kg	7.11	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-02
Client ID: B09B (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/14/14 16:03
Analyst: KB
Percent Solids: 89%

Date Collected: 12/12/13 15:12
Date Received: 12/12/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/13/14 09:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.2	--	1	A
Aroclor 1221	ND		ug/kg	21.2	--	1	A
Aroclor 1232	ND		ug/kg	21.2	--	1	A
Aroclor 1242	ND		ug/kg	21.2	--	1	A
Aroclor 1248	ND		ug/kg	14.2	--	1	A
Aroclor 1254	ND		ug/kg	21.2	--	1	A
Aroclor 1260	ND		ug/kg	14.2	--	1	A
Aroclor 1262	ND		ug/kg	7.08	--	1	A
Aroclor 1268	ND		ug/kg	7.08	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1401204
Report Date: 01/16/14

SAMPLE RESULTS

Lab ID: L1401204-03
 Client ID: B09C (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/14/14 16:18
 Analyst: KB
 Percent Solids: 16%

Date Collected: 12/13/13 10:52
 Date Received: 12/13/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/13/14 09:09
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/14/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	123	--	1	A
Aroclor 1221	ND		ug/kg	123	--	1	A
Aroclor 1232	ND		ug/kg	123	--	1	A
Aroclor 1242	ND		ug/kg	123	--	1	A
Aroclor 1248	ND		ug/kg	81.8	--	1	A
Aroclor 1254	ND		ug/kg	123	--	1	A
Aroclor 1260	ND		ug/kg	81.8	--	1	A
Aroclor 1262	ND		ug/kg	40.9	--	1	A
Aroclor 1268	ND		ug/kg	40.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-04
 Client ID: B10C (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/14/14 16:32
 Analyst: KB
 Percent Solids: 78%

Date Collected: 12/16/13 09:32
 Date Received: 12/16/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/13/14 09:09
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/14/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	24.8	--	1	A
Aroclor 1221	ND		ug/kg	24.8	--	1	A
Aroclor 1232	ND		ug/kg	24.8	--	1	A
Aroclor 1242	ND		ug/kg	24.8	--	1	A
Aroclor 1248	179		ug/kg	16.5	--	1	A
Aroclor 1254	236		ug/kg	24.8	--	1	A
Aroclor 1260	ND		ug/kg	16.5	--	1	A
Aroclor 1262	ND		ug/kg	8.27	--	1	A
Aroclor 1268	ND		ug/kg	8.27	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-05
Client ID: B10A (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/14/14 16:46
Analyst: KB
Percent Solids: 83%

Date Collected: 12/16/13 15:12
Date Received: 12/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/13/14 09:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.0	--	1	A
Aroclor 1221	ND		ug/kg	23.0	--	1	A
Aroclor 1232	ND		ug/kg	23.0	--	1	A
Aroclor 1242	ND		ug/kg	23.0	--	1	A
Aroclor 1248	226		ug/kg	15.4	--	1	A
Aroclor 1254	286		ug/kg	23.0	--	1	A
Aroclor 1260	ND		ug/kg	15.4	--	1	A
Aroclor 1262	ND		ug/kg	7.69	--	1	A
Aroclor 1268	ND		ug/kg	7.69	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-06
Client ID: B01A (18-20)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/14/14 17:01
Analyst: KB
Percent Solids: 88%

Date Collected: 12/17/13 10:04
Date Received: 12/17/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/13/14 09:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.0	--	1	A
Aroclor 1221	ND		ug/kg	22.0	--	1	A
Aroclor 1232	ND		ug/kg	22.0	--	1	A
Aroclor 1242	ND		ug/kg	22.0	--	1	A
Aroclor 1248	27.0		ug/kg	14.7	--	1	A
Aroclor 1254	ND		ug/kg	22.0	--	1	A
Aroclor 1260	ND		ug/kg	14.7	--	1	A
Aroclor 1262	ND		ug/kg	7.34	--	1	A
Aroclor 1268	ND		ug/kg	7.34	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-07
Client ID: B01A (20-22)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/14/14 17:15
Analyst: KB
Percent Solids: 93%

Date Collected: 12/17/13 10:05
Date Received: 12/17/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/13/14 09:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.8	--	1	A
Aroclor 1221	ND		ug/kg	20.8	--	1	A
Aroclor 1232	ND		ug/kg	20.8	--	1	A
Aroclor 1242	ND		ug/kg	20.8	--	1	A
Aroclor 1248	62.2		ug/kg	13.8	--	1	A
Aroclor 1254	ND		ug/kg	20.8	--	1	A
Aroclor 1260	ND		ug/kg	13.8	--	1	A
Aroclor 1262	ND		ug/kg	6.92	--	1	A
Aroclor 1268	ND		ug/kg	6.92	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-08
Client ID: B07.5BC (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/14/14 17:29
Analyst: KB
Percent Solids: 13%

Date Collected: 12/18/13 15:02
Date Received: 12/18/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/13/14 09:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	156	--	1	A
Aroclor 1221	ND		ug/kg	156	--	1	A
Aroclor 1232	ND		ug/kg	156	--	1	A
Aroclor 1242	ND		ug/kg	156	--	1	A
Aroclor 1248	1280		ug/kg	104	--	1	A
Aroclor 1254	1100		ug/kg	156	--	1	B
Aroclor 1260	ND		ug/kg	104	--	1	A
Aroclor 1262	ND		ug/kg	52.0	--	1	A
Aroclor 1268	ND		ug/kg	52.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-09 D
 Client ID: B07.5BC (13-15)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/15/14 15:06
 Analyst: KB
 Percent Solids: 91%

Date Collected: 12/18/13 15:03
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/13/14 09:09
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/14/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	10800	--	500	A
Aroclor 1221	ND		ug/kg	10800	--	500	A
Aroclor 1232	ND		ug/kg	10800	--	500	A
Aroclor 1242	ND		ug/kg	10800	--	500	A
Aroclor 1248	90300		ug/kg	7230	--	500	B
Aroclor 1254	81400		ug/kg	10800	--	500	B
Aroclor 1260	ND		ug/kg	7230	--	500	A
Aroclor 1262	ND		ug/kg	3620	--	500	A
Aroclor 1268	ND		ug/kg	3620	--	500	A

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

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-10
 Client ID: MIP03 (12.5-13.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082A
 Analytical Date: 01/14/14 17:58
 Analyst: KB
 Percent Solids: 92%

Date Collected: 12/19/13 08:43
 Date Received: 12/18/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/13/14 09:09
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/14/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.0	--	1	A
Aroclor 1221	ND		ug/kg	21.0	--	1	A
Aroclor 1232	ND		ug/kg	21.0	--	1	A
Aroclor 1242	ND		ug/kg	21.0	--	1	A
Aroclor 1248	14.5		ug/kg	14.0	--	1	A
Aroclor 1254	ND		ug/kg	21.0	--	1	A
Aroclor 1260	ND		ug/kg	14.0	--	1	A
Aroclor 1262	ND		ug/kg	7.01	--	1	A
Aroclor 1268	ND		ug/kg	7.01	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 01/14/14 18:12
 Analyst: KB

Extraction Method: EPA 3540C
 Extraction Date: 01/13/14 09:09
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/14/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-10 Batch: WG664221-1						
Aroclor 1016	ND		ug/kg	19.1	--	A
Aroclor 1221	ND		ug/kg	19.1	--	A
Aroclor 1232	ND		ug/kg	19.1	--	A
Aroclor 1242	ND		ug/kg	19.1	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.1	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.38	--	A
Aroclor 1268	ND		ug/kg	6.38	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1401204
Report Date: 01/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-10 Batch: WG664221-2 WG664221-3									
Aroclor 1016	88		87		40-140	1		30	A
Aroclor 1260	87		89		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		79		30-150	A
Decachlorobiphenyl	95		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		83		30-150	B
Decachlorobiphenyl	96		95		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-01
Client ID: B07B (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/10/13 08:47
Date Received: 12/10/13
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	91.5		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

SAMPLE RESULTS

Lab ID: L1401204-02
 Client ID: B09B (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/12/13 15:12
 Date Received: 12/12/13
 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	88.6		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

SAMPLE RESULTS

Lab ID: L1401204-03
 Client ID: B09C (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/13/13 10:52
 Date Received: 12/13/13
 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	16.1		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-04
Client ID: B10C (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 09:32
Date Received: 12/16/13
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	77.6		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS**

Lab ID: L1401204-05
Client ID: B10A (8-10)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/16/13 15:12
Date Received: 12/16/13
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	82.5		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE**Lab Number:** L1401204**Project Number:** 39744051.10003**Report Date:** 01/16/14**SAMPLE RESULTS****Lab ID:** L1401204-06**Date Collected:** 12/17/13 10:04**Client ID:** B01A (18-20)**Date Received:** 12/17/13**Sample Location:** NEW BEDFORD, MA**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

SAMPLE RESULTS

Lab ID: L1401204-07
 Client ID: B01A (20-22)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/17/13 10:05
 Date Received: 12/17/13
 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	92.8		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

SAMPLE RESULTS

Lab ID: L1401204-08
 Client ID: B07.5BC (8-10)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/18/13 15:02
 Date Received: 12/18/13
 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	12.6		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

SAMPLE RESULTS

Lab ID: L1401204-09
 Client ID: B07.5BC (13-15)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/18/13 15:03
 Date Received: 12/18/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

SAMPLE RESULTS

Lab ID: L1401204-10
 Client ID: MIP03 (12.5-13.5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 12/19/13 08:43
 Date Received: 12/18/13
 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	92.0		%	0.100	NA	1	-	01/13/14 22:15	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.10003

Lab Number: L1401204

Report Date: 01/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG664378-1 QC Sample: L1401097-05 Client ID: DUP Sample						
Solids, Total	83.2	83.5	%	0		20

Project Name: AEROVOX GEOPROBE

Lab Number: L1401204

Project Number: 39744051.10003

Report Date: 01/16/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A	Absent
D	Absent
B	Absent
C	Absent
E	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1401204-01A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-02A	Amber 120ml unpreserved	B	N/A	3.6	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-03A	Amber 120ml unpreserved	C	N/A	2.2	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-04A	Amber 120ml unpreserved	D	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-05A	Amber 120ml unpreserved	D	N/A	3.0	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-06A	Amber 120ml unpreserved	E	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-07A	Amber 120ml unpreserved	E	N/A	3.7	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-08A	Amber 120ml unpreserved	F	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-09A	Amber 120ml unpreserved	F	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1401204-10A	Amber 120ml unpreserved	G	N/A	3.9	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1401204
Report Date: 01/16/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1401204
Report Date: 01/16/14

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1401204
Report Date: 01/16/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 2 OF 4

8 Walkup Drive
 Westboro, MA 01581
 Tel: 508-896-9220

320 Forbes Blvd
 Mansfield, MA 02048
 Tel: 508-622-9300

Date Rec'd In Lab: 12/10/13
 ALPHA Job #: 1132-11401204

Project Information	Report Information - Data Deliverables	Billing Information
Project Name: <u>Aerovox Geopirite</u>	<input type="checkbox"/> ADEX <input checked="" type="checkbox"/> EMAIL	<input checked="" type="checkbox"/> Same as Client info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
 Manchester, NH 03101

Phone: (603) 606-4800

Email: Judith.leclair@urs.com

Additional Project Information:

Project Location: New Bedford, MA

Project #: 39744057.10003

Project Manager: J. Leclair/M. Wade

ALPHA Quote #:

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 1/17/14 ~~1/17/13~~

ANALYSIS:

SVOC: ABN PAH

METALS: MCP 13 MCP 14 RCP 15

EPH: RCRA5 RCRA8 PPI3

VPH: Ranges & Targets Ranges Only

TPH: Ranges & Targets Ranges Only

Quant Only Fingerprint

TOTALS (See Remarks)

8082LL-3540C

SAMPLE INFO

Filtration

Field Lab to do

Preservation

Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES		
		Date	Time			SVOC	METALS	EPH	VPH	TPH	Quant Only	Fingerprint	Other	Other					
2052 01	B07B (8-10)	12-10-13	0847	S	JKH													Hold	1
01204	B07B (13-15)		0850	S	JKH													C VOC	4
	B07B (18-20)		0851	S	JKH													Hold	1
	B07B (20-21)		0852	S	JKH													Hold	1
	B07C (0-2)		1614	S	JKH														1
	B07C (3-5)		1015	S	JKH													Hold	1
	B07C (8-10)		1016	S	JKH													Hold	1
	B07C (13-15)		1017	S	JKH													Hold	1
	B07C (18-20)		1018	S	JKH													Hold	1
	B07C (23-25)		1019	S	JKH													Hold	1

Container Type	Preservative	Container Type	V	G
P= Plastic A= Amber glass V= Vial G= Glass B= Bacteria cup C= Cube O= Other E= Encore D= BOD Bottle	A= None B= HCl C= HNO3 D= H2SO4 E= NaOH F= MeOH G= NaHCO3 H= Na2B2O7 I= Ascorbic Acid J= NH4Cl K= Zn Acetate O= Other	Preservative	O	A

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/10/13 1505</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/10/13 1505</u>
	<u>12/10/13</u>		<u>12/10/13 16500</u>
	<u>12-10-13 1250</u>	<u>W. McLean</u>	<u>12/10/13 1745</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 3

8 Watup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd In Lab: 12/12/13
ALPHA Job #: ~~L132520~~

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

Client Information
Client: URS
Address: 155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Project Information
Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair/M. Wade
ALPHA Quote #:

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
Date Due: 1/17/14 ~~12/11/13~~

ANALYSIS
~~SVOC: PCB PAH~~
METALS: ABN PAH
METALS: MCP 13 MCP 14 RCP 15
EPH: RCRA5 RCRA8 PPI3
VPH: Ranges & Targets Ranges Only
TPH: Ranges & Targets Ranges Only
TPH: Quant Only Fingerprint
~~TOC: TOC (P) TOC (N)~~
80824-3590C

SAMPLE INFO
Filtration
 Field
 Lab to do
Preservation
 Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SYOC	METALS	METALS	EPH	VPH	TPH	TOC	Sample Comments	TOTAL # BOTTLES
		Date	Time												
0209-21	B09B(3-5)	12/12/13	1511	S	JKH									HOLD	1
0120-02	B09B(8-10)		1512	S	JKH									X HOLD	1
	B09B(13-15)		1513	S	JKH									HOLD	1
	B09B(18-20)		1514	S	JKH									HOLD	1
	B09B(20.5)		1515	S	JKH									HOLD	4
	B09B(23-25)		1516	S	JKH									HOLD	1
	B09B(28-30)		1517	S	JKH									HOLD	1
	B09B(33-35)		1518	S	JKH									HOLD	1

Container Type: V G
Preservative: O A

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O5
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Relinquished By: [Signature] Date/Time: 12/12/13 1526
Received By: [Signature] Date/Time: 12/12/13 1526

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 12/13/13 ALPHA Job #: 1305

Client Information
 Client: URS
 Address: 1155 Elm St, Suite 401
 Manchester, NH 03101
 Phone: (603) 606-4800
 Email: judith.leclair@urs.com

Project Information
 Project Name: Aerover Geoprobe
 Project Location: New Bedford, MA
 Project #: 39744051.10003
 Project Manager: J. Leclair/M. Wade
 ALPHA Quote #:

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

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
 Date Due: 1/17/14

Additional Project Information:

ANALYSIS
 SVOC: ABN PAH
 METALS: MCP 13 MCP 14 RCP 15
 METALS: RCRAS RCRAB RCP13
 EPH: Ranges & Targets Ranges Only
 VPH: Ranges & Targets Ranges Only
 TPH: Quant Only Fingerprint
 Total Solids (from PCB) 808211-3540C

SAMPLE INFO
 Filtration
 Field Lab to do
 Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATIVE	CONTAINER	COMMENTS	TOTAL # BOTTLES
		Date	Time							
2510-01	TB-08	12.13.13		TB	JKH	B			CVOC	3
02	B09C(0-2)		1050	S	JKH				HOLD	1
03	B09C(3-5)		1051	S	JKH				HOLD	1
012-03-04	B09C(8-10)		1052	S	JKH			X	HOLD	1
05	B09C(13-15)		1053	S	JKH				HOLD	1
06	B09C(18-20)		1054	S	JKH				HOLD	1
07	B09C(23-25)		1055	S	JKH			X	CVOC	4
08	B09C(28-30)		1056	S	JKH				HOLD	1
09	B09C(32.5-34.5)		1057	S	JKH				HOLD	1
10	B09D(0-2)		1437	S	JKH					1

- Container Type**
 P= Plastic
 A= Amber glass
 V= Vial
 G= Glass
 B= Beaker/cup
 C= Cube
 O= Other
 E= Encore
 D= BOD Bottle
- Preservative**
 A= None
 B= HCl
 C= HNO3
 D= H2SO4
 E= NaOH
 F= MeOH
 G= NaHSO4
 H= Na2S2O8
 I= Ascorbic Acid
 J= NH4Cl
 K= Zn Acetate
 O= Other

Relinquished By: [Signature] **Date/Time:** 12/13/13 1530
Received By: [Signature] **Date/Time:** 12/13/13 1570

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 FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd In Lab: 12/10/13 ALPHA Job #: 1225544

8 Walkup Drive
 Westboro, MA 01581
 Tel: 508-898-9220

320 Forbes Blvd
 Mansfield, MA 02048
 Tel: 508-822-9300

Project Information

Project Name: Aerovox Bernebe
 Project Location: New Bedford, MA
 Project #: 39744051.1003
 Project Manager: J. Leclair/M. Wade
 ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
 Address: 1155 Elm St, Suite 401
Manchester, NH 03101
 Phone: (603) 606-4800
 Email: Judith.Leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
 Date Due: 12/20/13

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

Additional Project Information:

ANALYSIS	SVOC: <input type="checkbox"/> PCB <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAF	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> MCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAB <input type="checkbox"/> PPF 13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	6082LL-3540C	TOTAL # BOTTLES
----------	---	---	---	--	---	---	---	--------------	-----------------

ALPHA LAB ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATIVE	CONTAINER	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time								
0519-01	B10C (0-2)	12-16-13	0930	S	JKH						1
02	B10C (3-5)		0931	S	JKH				HOLD		1
012 04-04-03	B10C (8-10)		0932	S	JKH				HOLD		1
04	B10C (11.5)		0933	S	JKH				CVOC		4
05	B10C (13-15)		0934	S	JKH				HOLD		1
06	B10C (18-20)		0935	S	JKH				HOLD		1
07	B10C (23-25)		0936	S	JKH				HOLD		1
08	TB-09			TB					CVOC		3
09	B10B (0-2)		1200	S	JKH						1
10	B10B (3-5)		1201	S	JKH				HOLD		1

Container Type: V
 Preservative: 0
 Relinquished By: [Signature]
 Date/Time: 12/13 1530

Received By: [Signature]
 Date/Time: 12/10/13 1530

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 12/16/13 ALPHA Job #: ~~11111111~~ 11/12/13

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprime
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client Info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: j.walsh.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 12/14/13

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

Additional Project Information:

mg 12-19-13 per JL/ESimmons PCB only -23

ANALYSIS:	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Metals: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAB <input type="checkbox"/> PPP13	YPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO	TOTAL # BOTTLES
						Filtration	
						<input type="checkbox"/> Field	
						<input type="checkbox"/> Lab to do	
						Preservation	
						<input type="checkbox"/> Lab to do	
						Sample Comments	

Handwritten notes: ANALYSIS: SVOC: ABN PAH METALS: MCP 13 MCP 14 RCP 15 EPH: RCRAS RCRAB PPP13 YPH: Ranges & Targets Ranges Only TPH: Quant Only Fingerprint

01204

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC	METALS	EPH	YPH	TPH	Sample Comments	TOTAL # BOTTLES
		Date	Time										
22	B10A(8-10)	12/16/13	1512	S	JKH							HOLD	1
23	B10A(13-15)		1513	S	JKH							HOLD	1
24	B10A(17-18)		1514	S	JKH	B						possible NAPL CVOC	4
25	B10A(18-20)		1515	S	JKH							HOLD	1
26	B10A(23-25)		1517	S	JKH							HOLD	1
27	B10A(26-28)		1518	S	JKH							HOLD	1
28	B10A(23)		1516	S	JKH	B						CVOC	4

Container Type: V
Preservative: D

Container Type: V
Preservative: D

Relinquished By: [Signature] Date/Time: 12/16/13 1530
Received By: [Signature] Date/Time: 12/16/13 1700

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FORM NO: 01-01 (rev. 12-May-2012)



CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 12/17/13

ALPHA Job #: 1325606

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: *Aerovox Geoprobe*

Project Location: *New Bedford, MA*

Project #: *39744051-10003*

Project Manager: *J. Leclair/M. Wade*

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: *1/17/14*

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

Client Information

Client: *URS*

Address: *1155 Elm St, Suite 401*

Manchester, NH 03101

Phone: *(603) 606-4800*

Email: *judith.leclair@urs.com*

Additional Project Information:

ANALYSIS	SYOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Quant Only <input type="checkbox"/> Fingerprint	8082 LL-3540 C	SAMPLE INFO
								Filtration
								<input type="checkbox"/> Field
								<input type="checkbox"/> Lab to do
								Preservation
								<input type="checkbox"/> Lab to do
								Sample Comments

ALPHA Job ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	TOTAL # BOTTLES
		Date	Time			
0606	B01A (6-8)	12-17-13	1001	S	JKH	1
	B01A (8-10)		1002	S	JKH	4
	B01A (13-15)		1003	S	JKH	1
01204-06	B01A (18-20)		1004	S	JKH	1
07	B01A (20-22)		1005	S	JKH	1
	TB-10			TB		3
	B01B (6.5-8)		1115	S	JKH	1
	B01B (8-10)		1116	S	JKH	1
	B01B (13-15)		1117	S	JKH	4
	B01B (15.5-17.5)		1118	S	JKH	1

Container Type	Preservative	Container Type	Preservative
P= Plastic A= Amber glass V= Vial B= Glass C= Bacteria cup O= Other E= Encore D= BOD Bottle	A= None B= HCl C= HNO ₃ D= H ₂ SO ₄ E= NaOH F= MeOH G= NaHSO ₄ H= Na ₂ S ₂ O ₈ I= Ascorbic Acid J= NH ₄ Cl K= Zn Acetate O= Other	✓	0

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Judith Leclair</i>	12/17/13 1500	<i>J. Wade</i>	12/17/13 1500
<i>M. Wade</i>	12/17/13 1700	<i>Tom Thumpe</i>	12/17/13 1700

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 3

Date Rec'd in Lab: 12/18/13

ALPHA Job # 11214

8 Walkup Drive
 Westboro, MA 01581
 Tel: 508-898-9220

320 Forbes Blvd
 Mansfield, MA 02048
 Tel: 508-822-9300

Client Information
 Client: URS
 Address: 1155 Elm St, Suite 401
Manchester, NH 03101
 Phone: (603) 606-4800
 Email: Judith.leclair@urs.com

Project Information
 Project Name: Aerovox Geoprobe
 Project Location: New Bedford, MA
 Project #: 39744051-10003
 Project Manager: J. Leclair / M. Wade
 ALPHA Quote #:

Report Information - Data Deliverables
 ADEX EMAIL
 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

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
 Date Due: 1/17/14 ~~1/16/13~~

ANALYSIS	SVOC: <input checked="" type="checkbox"/> PCBs <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> ASB <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 <input type="checkbox"/> PP-13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO
								Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do
								Preservation <input type="checkbox"/> Lab to do
								Sample Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	TOTAL # BOTTLES
		Date	Time			
	B02A (20.5-22.5)	12-18-13	0914	S	JKH	1
	B03A (4-6)		1025	S	JKH	4
	B03A (8-10)		1026	S	JKH	1
	B03A (10.5-12.5)		1027	S	JKH	1
	B03B (7-10)		1225	S	JKH	1
	B03B (12.5)		1226	S	JKH	4
	B03B (11-13)		1227	S	JKH	1
	B07.5BC (0-2)		1500	S	JKH	1
	B07.5BC (3-5)		1501	S	JKH	4
012 04 08	B07.5BC (8-10)		1502	S	JKH	4

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₈
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type V
Preservative O

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>12/18/13 1543</u>	<u>[Signature]</u>	<u>12/18/13 1542</u>
<u>[Signature]</u>	<u>12-18-13 1637</u>	<u>[Signature]</u>	<u>12-18-13 1635</u>
<u>[Signature]</u>	<u>12-18-13 1822</u>	<u>[Signature]</u>	<u>12-18-13 1845</u>

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 FORM NO. 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 3 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-698-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-622-9300

Date Rec'd in Lab: 12/15/13
ALPHA Job #: L1401204

Client Information
Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 666-4800
Email: judith.leclair@urs.com

Project Information
Project Name: *Aarovix Geoprobe*
Project Location: *New Bedford, MA*
Project #: *39744051.10003*
Project Manager: *J. Leclair/M. Wade*
ALPHA Quote #:

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

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
Date Due: *1/17/14*

ANALYSIS
~~SVOC: ABN PAH~~
~~METALS: MCP 13 MCP 14 RCP 15~~
~~EPH: RCR45 RCR48 RPP13~~
~~VPH: Ranges & Targets Ranges Only~~
~~X PCB Ranges Only~~
~~TPH: Quant Only Fingerprint~~
TOTALS (S&H) (Targeted)
8082LL-3540C

SAMPLE INFO
Filtration
 Field Lab to do
Preservation
 Lab to do

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	TOTAL # BOTTLES
		Date	Time				
012-04-04	B07.5BC(13-15)	12-18-13	1503	S	JKH	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15 EPH: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 <input type="checkbox"/> RPP13 VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only X PCB <input type="checkbox"/> Ranges Only TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint <i>TOTALS (S&H) (Targeted)</i> <i>8082LL-3540C</i>	4
	B07.5BC(17-19)	12-18-13	1504	S	JKH		4

Container Type
P= Plastic
A= Amber glass
V= Vial
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	V				G
Preservative	O				A

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	<i>12/13/13 1543</i>	<i>[Signature]</i>	<i>12/16/13 1543</i>
<i>[Signature]</i>	<i>12/13/13 1543</i>	<i>[Signature]</i>	<i>12/16/13 1543</i>

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FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
 Westboro, MA 01581
 Tel: 508-898-9220

320 Forbes Blvd
 Mansfield, MA 02048
 Tel: 508-822-9300

Project Information

Project Name: Aerovox Geoprobe
 Project Location: New Bedford, MA
 Project #: 39744051.10003
 Project Manager: J. Leclair/M. Wade
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 1/17/14

Date Rec'd in Lab: 12/19/13

ALPHA Job #: 125011

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

Client Information

Client: URS
 Address: 1155 Elm St, Suite 401
Manchester, NH 03101
 Phone: (603) 606-4800
 Email: judith.leclair@urs.com

Additional Project Information:

ANALYSIS	SVOC: <input checked="" type="checkbox"/> PCB <input checked="" type="checkbox"/> PAH	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP-13 <input type="checkbox"/> MCP-14 <input type="checkbox"/> RCP-15	EPH: <input type="checkbox"/> RCRA6 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP-13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL Solids (FAN 110)	8082LL-3540C	SAMPLE INFO
										Filtration
										<input type="checkbox"/> Field
										<input type="checkbox"/> Lab to do
										Preservation
										<input type="checkbox"/> Lab to do
										Sample Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES		
		Date	Time			SVOC	METALS	METALS	EPH	VPH	TPH	TPH	TPH	TPH	TPH				
58	MIP03 (0-2)	12-19-13	0840	S	JKH													RUN	1
59	MIP03 (3-5)		0841	S	JKH													HOLD ALL	4
60	MIP03 (8-10)		0842	S	JKH													HOLD ALL	4
01204-10	MIP03 (12.5-13.5)		0843	S	JKH													HOLD ALL	4
65	MIP03 (13.5-15)		0844	S	JKH													HOLD	4
66	MIP11 (0-2)		1040	S	JKH													RUN	1
67	MIP11 (3-5)		1041	S	JKH													HOLD	4
68	MIP11 (8-10)		1042	S	JKH													HOLD	4
69	MIP11 (13-15)		1043	S	JKH													HOLD	4
70	MIP11 (18-20)		1044	S	JKH													HOLD	4

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₈
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type: V
 Preservative: O

Relinquished By: Judith Leclair Date/Time: 12/19/13 1100
Steve Jout Date/Time: 12/19/13 1725

Received By: Steve Jout Date/Time: 12/18/13 1725
Steve Jout Date/Time: 12/19/13 1725

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1402243
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Marilyn Wade
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.10003
Report Date:	02/03/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1402243
Report Date: 02/03/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1402243-01	B07.5BC (17-19)	NEW BEDFORD, MA	12/18/13 15:04

Project Name: AEROVOX GEOPROBE

Lab Number: L1402243

Project Number: 39744051.10003

Report Date: 02/03/14

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1402243
Report Date: 02/03/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1402243
Report Date: 02/03/14

Case Narrative (continued)

MCP Related Narratives

Report Submission

All MCP required questions were answered with affirmative responses; therefore, there are no relevant protocol-specific QC and/or performance standard non-conformances to report.

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:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 02/03/14

ORGANICS

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1402243**Project Number:** 39744051.10003**Report Date:** 02/03/14**SAMPLE RESULTS**

Lab ID: L1402243-01
Client ID: B07.5BC (17-19)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 01/31/14 04:54
Analyst: JW
Percent Solids: 93%

Date Collected: 12/18/13 15:04
Date Received: 12/18/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/29/14 09:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/30/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	52.1		ug/kg	20.3	--	1	B
Aroclor 1221	ND		ug/kg	20.3	--	1	A
Aroclor 1232	ND		ug/kg	20.3	--	1	A
Aroclor 1242	ND		ug/kg	20.3	--	1	A
Aroclor 1248	ND		ug/kg	13.5	--	1	A
Aroclor 1254	ND		ug/kg	20.3	--	1	A
Aroclor 1260	ND		ug/kg	13.5	--	1	A
Aroclor 1262	ND		ug/kg	6.77	--	1	A
Aroclor 1268	ND		ug/kg	6.77	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1402243**Project Number:** 39744051.10003**Report Date:** 02/03/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082A
 Analytical Date: 01/31/14 05:06
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 01/29/14 09:59
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/30/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG667387-1						
Aroclor 1016	ND		ug/kg	19.6	--	A
Aroclor 1221	ND		ug/kg	19.6	--	A
Aroclor 1232	ND		ug/kg	19.6	--	A
Aroclor 1242	ND		ug/kg	19.6	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.6	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.53	--	A
Aroclor 1268	ND		ug/kg	6.53	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1402243

Project Number: 39744051.10003

Report Date: 02/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG667387-2 WG667387-3									
Aroclor 1016	66		73		40-140	10		30	A
Aroclor 1260	64		72		40-140	12		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		74		30-150	A
Decachlorobiphenyl	69		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		71		30-150	B
Decachlorobiphenyl	63		73		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1402243
Report Date: 02/03/14

SAMPLE RESULTS

Lab ID: L1402243-01
Client ID: B07.5BC (17-19)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 12/18/13 15:04
Date Received: 12/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	01/28/14 22:53	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1402243
Report Date: 02/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG667318-1 QC Sample: L1402215-14 Client ID: DUP Sample						
Solids, Total	82.5	85.3	%	3		20

Project Name: AEROVOX GEOPROBE**Lab Number:** L1402243**Project Number:** 39744051.10003**Report Date:** 02/03/14**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1402243-01A	Amber 120ml unpreserved	A	N/A	4.1	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1402243
Report Date: 02/03/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1402243
Report Date: 02/03/14

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.10003

Lab Number: L1402243
Report Date: 02/03/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 3 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-8220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-8300

Date Rec'd in Lab: 12/18/13

ALPHA Job #: L32570

12/18/13
CB

Client Information
Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 666-4800
Email: judith.leclair@urs.com

Project Information
Project Name: Aerovox Geoprobe
Project Location: New Bedford, MA
Project #: 39744051.10003
Project Manager: J. Leclair / M. Wade
ALPHA Quote #:

Report Information - Data Deliverables
 ADEX EMAIL
 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

Additional Project Information:

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
Date Due: 2/4/14
12/20/13

ANALYSIS		SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do
SVOC: <input checked="" type="checkbox"/> PCE <input checked="" type="checkbox"/> TCE <input checked="" type="checkbox"/> DCE <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> BSA2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15 EPH: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only <input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint Total Solids (from PCE)	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time						
	B07.5 BC(13-15)	12-18-13	1503	S	JKH			HOLD	4
02243.1	B07.5 BC(17-19)	12-18-13	1504	S	JKH			HOLD	4

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O8
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	V	G	
Preservative	D	A	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	12/18/13 1543 NSM	<i>[Signature]</i>	12/18/13 1543
<i>[Signature]</i>	12/18/13 1605	<i>[Signature]</i>	12/18/13 1605
<i>[Signature]</i>	12-18-13 1845	<i>[Signature]</i>	12/18/13 1845

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO. 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1402767
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith Leclair
Phone:	(603) 606-4818
Project Name:	AEROVOX
Project Number:	39744051
Report Date:	02/11/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1402767-01	MW-18D (0-2)	NEW BEDFORD, MA	02/03/14 13:50
L1402767-02	MW-18D (2-4)	NEW BEDFORD, MA	02/03/14 13:55
L1402767-03	MW-18D (4-5)	NEW BEDFORD, MA	02/03/14 14:00
L1402767-04	MW-18S (0-2)	NEW BEDFORD, MA	02/03/14 13:00
L1402767-05	MW-18S (2-4)	NEW BEDFORD, MA	02/03/14 13:10
L1402767-06	MW-18S (4-5)	NEW BEDFORD, MA	02/03/14 13:05
L1402767-07	TB-01	NEW BEDFORD, MA	02/03/14 00:00
L1402767-08	MW-4S (0-2)	NEW BEDFORD, MA	02/03/14 15:40
L1402767-09	MW-4S (2-4)	NEW BEDFORD, MA	02/03/14 15:45
L1402767-10	MW-4S (4-5)	NEW BEDFORD, MA	02/03/14 15:50
L1402767-11	MW-11B (8-9)	NEW BEDFORD, MA	02/03/14 12:00
L1402767-12	MW-13D (0-2)	NEW BEDFORD, MA	02/04/14 08:35
L1402767-13	MW-13D (6-8)	NEW BEDFORD, MA	02/04/14 09:00
L1402767-14	MW-13D (8-10)	NEW BEDFORD, MA	02/04/14 09:20
L1402767-15	MW-13D (10-12)	NEW BEDFORD, MA	02/04/14 09:30

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

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)?	NO

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

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



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

L1402767-10 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

In reference to question G:


L1402767-01, -04, -08, and -09: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1402767-01 and -08 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses 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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 02/11/14

ORGANICS

VOLATILES

Project Name: AEROVOX**Lab Number:** L1402767**Project Number:** 39744051**Report Date:** 02/11/14**SAMPLE RESULTS**

Lab ID: L1402767-07
 Client ID: TB-01
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/06/14 14:07
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/03/14 00:00
 Date Received: 02/04/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-07

Date Collected: 02/03/14 00:00

Client ID: TB-01

Date Received: 02/04/14

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX**Lab Number:** L1402767**Project Number:** 39744051**Report Date:** 02/11/14**SAMPLE RESULTS**

Lab ID: L1402767-11
Client ID: MW-11B (8-9)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/07/14 09:21
Analyst: MV
Percent Solids: 89%

Date Collected: 02/03/14 12:00
Date Received: 02/04/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	--	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	0.90		ug/kg	0.76	--	1
Chlorobenzene	ND		ug/kg	0.76	--	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
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	--	1
Chloromethane	ND		ug/kg	3.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	--	1
Dichlorodifluoromethane	ND		ug/kg	7.6	--	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
o-Chlorotoluene	ND		ug/kg	3.0	--	1

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-11

Date Collected: 02/03/14 12:00

Client ID: MW-11B (8-9)

Date Received: 02/04/14

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX**Lab Number:** L1402767**Project Number:** 39744051**Report Date:** 02/11/14**SAMPLE RESULTS**

Lab ID: L1402767-13
 Client ID: MW-13D (6-8)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/06/14 15:03
 Analyst: BN
 Percent Solids: 65%

Date Collected: 02/04/14 09:00
 Date Received: 02/04/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	2.8		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.7	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
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
Bromoform	ND		ug/kg	4.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.3	--	1
Vinyl chloride	2.4		ug/kg	2.1	--	1
Chloroethane	ND		ug/kg	2.1	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	2.2		ug/kg	1.6	--	1
Trichloroethene	17		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	--	1
cis-1,2-Dichloroethene	19		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	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
o-Chlorotoluene	ND		ug/kg	4.3	--	1

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-13
 Client ID: MW-13D (6-8)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/04/14 09:00
 Date Received: 02/04/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.3	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/06/14 09:00
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,13 Batch: WG669051-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/06/14 09:00
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,13 Batch: WG669051-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 02/06/14 09:00
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07,13 Batch: WG669051-3					
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	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 02/07/14 08:54
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG669224-3					
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	--
1,1-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	3.4		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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/07/14 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG669224-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 02/07/14 08:54
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG669224-3					
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	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,13 Batch: WG669051-1 WG669051-2								
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	92		94		70-130	2		20
Chloroform	94		96		70-130	2		20
Carbon tetrachloride	86		93		70-130	8		20
1,2-Dichloropropane	92		95		70-130	3		20
Dibromochloromethane	101		104		70-130	3		20
1,1,2-Trichloroethane	104		105		70-130	1		20
Tetrachloroethene	99		102		70-130	3		20
Chlorobenzene	100		104		70-130	4		20
Trichlorofluoromethane	114		120		70-130	5		20
1,2-Dichloroethane	95		98		70-130	3		20
1,1,1-Trichloroethane	91		96		70-130	5		20
Bromodichloromethane	91		95		70-130	4		20
trans-1,3-Dichloropropene	98		101		70-130	3		20
cis-1,3-Dichloropropene	90		94		70-130	4		20
1,1-Dichloropropene	93		96		70-130	3		20
Bromoform	106		110		70-130	4		20
1,1,2,2-Tetrachloroethane	107		109		70-130	2		20
Benzene	93		96		70-130	3		20
Toluene	98		101		70-130	3		20
Ethylbenzene	99		102		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,13 Batch: WG669051-1 WG669051-2								
Chloromethane	82		81		70-130	1		20
Bromomethane	108		109		70-130	1		20
Vinyl chloride	99		101		70-130	2		20
Chloroethane	100		104		70-130	4		20
1,1-Dichloroethene	94		98		70-130	4		20
trans-1,2-Dichloroethene	93		96		70-130	3		20
Trichloroethene	93		97		70-130	4		20
1,2-Dichlorobenzene	105		108		70-130	3		20
1,3-Dichlorobenzene	104		107		70-130	3		20
1,4-Dichlorobenzene	104		106		70-130	2		20
Methyl tert butyl ether	88		90		70-130	2		20
p/m-Xylene	97		100		70-130	3		20
o-Xylene	98		101		70-130	3		20
cis-1,2-Dichloroethene	94		97		70-130	3		20
Dibromomethane	94		99		70-130	5		20
1,2,3-Trichloropropane	107		114		70-130	6		20
Styrene	99		102		70-130	3		20
Dichlorodifluoromethane	89		91		70-130	2		20
Acetone	114		102		70-130	11		20
Carbon disulfide	80		83		70-130	4		20
Methyl ethyl ketone	102		99		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,13 Batch: WG669051-1 WG669051-2								
Methyl isobutyl ketone	90		94		70-130	4		20
2-Hexanone	99		99		70-130	0		20
Bromochloromethane	100		103		70-130	3		20
Tetrahydrofuran	96		99		70-130	3		20
2,2-Dichloropropane	90		93		70-130	3		20
1,2-Dibromoethane	100		102		70-130	2		20
1,3-Dichloropropane	99		101		70-130	2		20
1,1,1,2-Tetrachloroethane	100		103		70-130	3		20
Bromobenzene	103		105		70-130	2		20
n-Butylbenzene	106		110		70-130	4		20
sec-Butylbenzene	104		108		70-130	4		20
tert-Butylbenzene	102		105		70-130	3		20
o-Chlorotoluene	103		106		70-130	3		20
p-Chlorotoluene	103		106		70-130	3		20
1,2-Dibromo-3-chloropropane	97		103		70-130	6		20
Hexachlorobutadiene	96		100		70-130	4		20
Isopropylbenzene	102		105		70-130	3		20
p-Isopropyltoluene	104		107		70-130	3		20
Naphthalene	102		104		70-130	2		20
n-Propylbenzene	105		108		70-130	3		20
1,2,3-Trichlorobenzene	104		107		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07,13 Batch: WG669051-1 WG669051-2								
1,2,4-Trichlorobenzene	104		105		70-130	1		20
1,3,5-Trimethylbenzene	104		107		70-130	3		20
1,2,4-Trimethylbenzene	103		106		70-130	3		20
Diethyl ether	95		96		70-130	1		20
Diisopropyl Ether	86		88		70-130	2		20
Ethyl-Tert-Butyl-Ether	88		91		70-130	3		20
Tertiary-Amyl Methyl Ether	89		92		70-130	3		20
1,4-Dioxane	95		97		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		105		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG669224-1 WG669224-2								
Methylene chloride	93		91		70-130	2		20
1,1-Dichloroethane	93		87		70-130	7		20
Chloroform	95		92		70-130	3		20
Carbon tetrachloride	91		88		70-130	3		20
1,2-Dichloropropane	92		89		70-130	3		20
Dibromochloromethane	97		96		70-130	1		20
1,1,2-Trichloroethane	98		97		70-130	1		20
Tetrachloroethene	101		98		70-130	3		20
Chlorobenzene	100		98		70-130	2		20
Trichlorofluoromethane	118		115		70-130	3		20
1,2-Dichloroethane	92		90		70-130	2		20
1,1,1-Trichloroethane	95		92		70-130	3		20
Bromodichloromethane	93		92		70-130	1		20
trans-1,3-Dichloropropene	94		92		70-130	2		20
cis-1,3-Dichloropropene	90		88		70-130	2		20
1,1-Dichloropropene	96		93		70-130	3		20
Bromoform	103		101		70-130	2		20
1,1,2,2-Tetrachloroethane	103		99		70-130	4		20
Benzene	95		92		70-130	3		20
Toluene	98		96		70-130	2		20
Ethylbenzene	101		98		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG669224-1 WG669224-2								
Chloromethane	81		78		70-130	4		20
Bromomethane	114		107		70-130	6		20
Vinyl chloride	101		97		70-130	4		20
Chloroethane	116		102		70-130	13		20
1,1-Dichloroethene	95		95		70-130	0		20
trans-1,2-Dichloroethene	95		91		70-130	4		20
Trichloroethene	96		94		70-130	2		20
1,2-Dichlorobenzene	107		98		70-130	9		20
1,3-Dichlorobenzene	103		102		70-130	1		20
1,4-Dichlorobenzene	102		101		70-130	1		20
Methyl tert butyl ether	84		82		70-130	2		20
p/m-Xylene	100		96		70-130	4		20
o-Xylene	100		97		70-130	3		20
cis-1,2-Dichloroethene	94		92		70-130	2		20
Dibromomethane	92		91		70-130	1		20
1,2,3-Trichloropropane	104		99		70-130	5		20
Styrene	97		96		70-130	1		20
Dichlorodifluoromethane	85		82		70-130	4		20
Acetone	88		78		70-130	12		20
Carbon disulfide	83		81		70-130	2		20
Methyl ethyl ketone	88		84		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG669224-1 WG669224-2								
Methyl isobutyl ketone	82		83		70-130	1		20
2-Hexanone	83		82		70-130	1		20
Bromochloromethane	98		96		70-130	2		20
Tetrahydrofuran	89		74		70-130	18		20
2,2-Dichloropropane	92		89		70-130	3		20
1,2-Dibromoethane	93		92		70-130	1		20
1,3-Dichloropropane	94		93		70-130	1		20
1,1,1,2-Tetrachloroethane	99		94		70-130	5		20
Bromobenzene	104		99		70-130	5		20
n-Butylbenzene	114		108		70-130	5		20
sec-Butylbenzene	106		105		70-130	1		20
tert-Butylbenzene	102		102		70-130	0		20
o-Chlorotoluene	106		100		70-130	6		20
p-Chlorotoluene	103		101		70-130	2		20
1,2-Dibromo-3-chloropropane	93		88		70-130	6		20
Hexachlorobutadiene	105		95		70-130	10		20
Isopropylbenzene	108		101		70-130	7		20
p-Isopropyltoluene	105		103		70-130	2		20
Naphthalene	100		94		70-130	6		20
n-Propylbenzene	112		104		70-130	7		20
1,2,3-Trichlorobenzene	106		100		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG669224-1 WG669224-2								
1,2,4-Trichlorobenzene	107		97		70-130	10		20
1,3,5-Trimethylbenzene	109		100		70-130	9		20
1,2,4-Trimethylbenzene	102		102		70-130	0		20
Diethyl ether	93		90		70-130	3		20
Diisopropyl Ether	82		80		70-130	2		20
Ethyl-Tert-Butyl-Ether	85		83		70-130	2		20
Tertiary-Amyl Methyl Ether	86		84		70-130	2		20
1,4-Dioxane	95		95		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	102		101		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-01 D
 Client ID: MW-18D (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/08/14 18:55
 Analyst: JT
 Percent Solids: 94%

Date Collected: 02/03/14 13:50
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	--	50	A
Aroclor 1221	ND		ug/kg	1050	--	50	A
Aroclor 1232	ND		ug/kg	1050	--	50	A
Aroclor 1242	ND		ug/kg	1050	--	50	A
Aroclor 1248	5860		ug/kg	701	--	50	B
Aroclor 1254	7750		ug/kg	1050	--	50	A
Aroclor 1260	ND		ug/kg	701	--	50	A
Aroclor 1262	ND		ug/kg	350	--	50	A
Aroclor 1268	ND		ug/kg	350	--	50	A

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

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-02 D
 Client ID: MW-18D (2-4)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/10/14 13:10
 Analyst: JT
 Percent Solids: 88%

Date Collected: 02/03/14 13:55
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.7	--	2	A
Aroclor 1221	ND		ug/kg	43.7	--	2	A
Aroclor 1232	ND		ug/kg	43.7	--	2	A
Aroclor 1242	ND		ug/kg	43.7	--	2	A
Aroclor 1248	ND		ug/kg	29.1	--	2	A
Aroclor 1254	716		ug/kg	43.7	--	2	B
Aroclor 1260	ND		ug/kg	29.1	--	2	A
Aroclor 1262	ND		ug/kg	14.6	--	2	A
Aroclor 1268	ND		ug/kg	14.6	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-03
 Client ID: MW-18D (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/07/14 19:13
 Analyst: JT
 Percent Solids: 95%

Date Collected: 02/03/14 14:00
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	19.9	--	1	A
Aroclor 1221	ND		ug/kg	19.9	--	1	A
Aroclor 1232	ND		ug/kg	19.9	--	1	A
Aroclor 1242	ND		ug/kg	19.9	--	1	A
Aroclor 1248	31.4		ug/kg	13.3	--	1	B
Aroclor 1254	37.3		ug/kg	19.9	--	1	B
Aroclor 1260	ND		ug/kg	13.3	--	1	A
Aroclor 1262	ND		ug/kg	6.63	--	1	A
Aroclor 1268	ND		ug/kg	6.63	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-04 D
 Client ID: MW-18S (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/10/14 13:23
 Analyst: JT
 Percent Solids: 91%

Date Collected: 02/03/14 13:00
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	106	--	5	A
Aroclor 1221	ND		ug/kg	106	--	5	A
Aroclor 1232	ND		ug/kg	106	--	5	A
Aroclor 1242	ND		ug/kg	106	--	5	A
Aroclor 1248	ND		ug/kg	70.6	--	5	A
Aroclor 1254	1080		ug/kg	106	--	5	B
Aroclor 1260	ND		ug/kg	70.6	--	5	A
Aroclor 1262	ND		ug/kg	35.3	--	5	A
Aroclor 1268	ND		ug/kg	35.3	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-05
 Client ID: MW-18S (2-4)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/07/14 20:32
 Analyst: JT
 Percent Solids: 86%

Date Collected: 02/03/14 13:10
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.3	--	1	A
Aroclor 1221	ND		ug/kg	22.3	--	1	A
Aroclor 1232	ND		ug/kg	22.3	--	1	A
Aroclor 1242	ND		ug/kg	22.3	--	1	A
Aroclor 1248	ND		ug/kg	14.9	--	1	A
Aroclor 1254	ND		ug/kg	22.3	--	1	A
Aroclor 1260	ND		ug/kg	14.9	--	1	A
Aroclor 1262	ND		ug/kg	7.44	--	1	A
Aroclor 1268	ND		ug/kg	7.44	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: AEROVOX**Lab Number:** L1402767**Project Number:** 39744051**Report Date:** 02/11/14**SAMPLE RESULTS**

Lab ID: L1402767-06
 Client ID: MW-18S (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/07/14 20:45
 Analyst: JT
 Percent Solids: 95%

Date Collected: 02/03/14 13:05
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.9	--	1	A
Aroclor 1221	ND		ug/kg	20.9	--	1	A
Aroclor 1232	ND		ug/kg	20.9	--	1	A
Aroclor 1242	ND		ug/kg	20.9	--	1	A
Aroclor 1248	ND		ug/kg	13.9	--	1	A
Aroclor 1254	ND		ug/kg	20.9	--	1	A
Aroclor 1260	ND		ug/kg	13.9	--	1	A
Aroclor 1262	ND		ug/kg	6.96	--	1	A
Aroclor 1268	ND		ug/kg	6.96	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-08 D
 Client ID: MW-4S (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/10/14 13:37
 Analyst: JT
 Percent Solids: 92%

Date Collected: 02/03/14 15:40
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	--	50	A
Aroclor 1221	ND		ug/kg	1050	--	50	A
Aroclor 1232	ND		ug/kg	1050	--	50	A
Aroclor 1242	ND		ug/kg	1050	--	50	A
Aroclor 1248	ND		ug/kg	703	--	50	A
Aroclor 1254	12100		ug/kg	1050	--	50	B
Aroclor 1260	ND		ug/kg	703	--	50	A
Aroclor 1262	ND		ug/kg	352	--	50	A
Aroclor 1268	ND		ug/kg	352	--	50	A

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

Project Name: AEROVOX**Lab Number:** L1402767**Project Number:** 39744051**Report Date:** 02/11/14**SAMPLE RESULTS**

Lab ID: L1402767-09 D
Client ID: MW-4S (2-4)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082
Analytical Date: 02/10/14 13:50
Analyst: JT
Percent Solids: 84%

Date Collected: 02/03/14 15:45
Date Received: 02/04/14
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/06/14 12:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/07/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	115	--	5	A
Aroclor 1221	ND		ug/kg	115	--	5	A
Aroclor 1232	ND		ug/kg	115	--	5	A
Aroclor 1242	ND		ug/kg	115	--	5	A
Aroclor 1248	ND		ug/kg	76.8	--	5	A
Aroclor 1254	1380		ug/kg	115	--	5	B
Aroclor 1260	ND		ug/kg	76.8	--	5	A
Aroclor 1262	ND		ug/kg	38.4	--	5	A
Aroclor 1268	ND		ug/kg	38.4	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-10
 Client ID: MW-4S (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/07/14 21:25
 Analyst: JT
 Percent Solids: 81%

Date Collected: 02/03/14 15:50
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	48.2	--	2	A
Aroclor 1221	ND		ug/kg	48.2	--	2	A
Aroclor 1232	ND		ug/kg	48.2	--	2	A
Aroclor 1242	ND		ug/kg	48.2	--	2	A
Aroclor 1248	ND		ug/kg	32.1	--	2	A
Aroclor 1254	298		ug/kg	48.2	--	2	B
Aroclor 1260	ND		ug/kg	32.1	--	2	A
Aroclor 1262	ND		ug/kg	16.0	--	2	A
Aroclor 1268	ND		ug/kg	16.0	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	115		30-150	B

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-11
 Client ID: MW-11B (8-9)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/07/14 21:38
 Analyst: JT
 Percent Solids: 89%

Date Collected: 02/03/14 12:00
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.9	--	1	A
Aroclor 1221	ND		ug/kg	21.9	--	1	A
Aroclor 1232	ND		ug/kg	21.9	--	1	A
Aroclor 1242	ND		ug/kg	21.9	--	1	A
Aroclor 1248	ND		ug/kg	14.6	--	1	A
Aroclor 1254	ND		ug/kg	21.9	--	1	A
Aroclor 1260	ND		ug/kg	14.6	--	1	A
Aroclor 1262	ND		ug/kg	7.29	--	1	A
Aroclor 1268	ND		ug/kg	7.29	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-13
 Client ID: MW-13D (6-8)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/07/14 21:51
 Analyst: JT
 Percent Solids: 65%

Date Collected: 02/04/14 09:00
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	29.6	--	1	A
Aroclor 1221	ND		ug/kg	29.6	--	1	A
Aroclor 1232	ND		ug/kg	29.6	--	1	A
Aroclor 1242	646		ug/kg	29.6	--	1	B
Aroclor 1248	ND		ug/kg	19.7	--	1	A
Aroclor 1254	202		ug/kg	29.6	--	1	B
Aroclor 1260	ND		ug/kg	19.7	--	1	A
Aroclor 1262	ND		ug/kg	9.87	--	1	A
Aroclor 1268	ND		ug/kg	9.87	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
 Analytical Date: 02/07/14 19:26
 Analyst: JT

Extraction Method: EPA 3540C
 Extraction Date: 02/06/14 12:30
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-06,08-11,13 Batch: WG668988-1						
Aroclor 1016	ND		ug/kg	19.8	--	A
Aroclor 1221	ND		ug/kg	19.8	--	A
Aroclor 1232	ND		ug/kg	19.8	--	A
Aroclor 1242	ND		ug/kg	19.8	--	A
Aroclor 1248	ND		ug/kg	13.2	--	A
Aroclor 1254	ND		ug/kg	19.8	--	A
Aroclor 1260	ND		ug/kg	13.2	--	A
Aroclor 1262	ND		ug/kg	6.60	--	A
Aroclor 1268	ND		ug/kg	6.60	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-06,08-11,13 Batch: WG668988-2 WG668988-3									
Aroclor 1016	93		92		40-140	1		30	A
Aroclor 1260	82		82		40-140	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		97		30-150	A
Decachlorobiphenyl	86		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		92		30-150	B
Decachlorobiphenyl	101		103		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-01
 Client ID: MW-18D (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 13:50
 Date Received: 02/04/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-02
 Client ID: MW-18D (2-4)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 13:55
 Date Received: 02/04/14
 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	87.6		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-03
 Client ID: MW-18D (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 14:00
 Date Received: 02/04/14
 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	95.1		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-04
 Client ID: MW-18S (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 13:00
 Date Received: 02/04/14
 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	91.1		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-05
 Client ID: MW-18S (2-4)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 13:10
 Date Received: 02/04/14
 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	85.8		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-06
 Client ID: MW-18S (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 13:05
 Date Received: 02/04/14
 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	94.5		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-08
 Client ID: MW-4S (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 15:40
 Date Received: 02/04/14
 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	91.8		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-09
 Client ID: MW-4S (2-4)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 15:45
 Date Received: 02/04/14
 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	83.7		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-10
 Client ID: MW-4S (4-5)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 15:50
 Date Received: 02/04/14
 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	80.5		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-11
 Client ID: MW-11B (8-9)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/03/14 12:00
 Date Received: 02/04/14
 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	89.2		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Project Name: AEROVOX

Lab Number: L1402767

Project Number: 39744051

Report Date: 02/11/14

SAMPLE RESULTS

Lab ID: L1402767-13
 Client ID: MW-13D (6-8)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/04/14 09:00
 Date Received: 02/04/14
 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	65.0		%	0.100	NA	1	-	02/05/14 00:11	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06,08-11,13 QC Batch ID: WG668675-1 QC Sample: L1402767-01 Client ID: MW-18D (0-2)						
Solids, Total	93.5	94.1	%	1		20

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/04/2014 22:57

Cooler Information Custody Seal Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1402767-01A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-02A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-03A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-04A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-05A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-06A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-07A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)
L1402767-07B	Vial water preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)
L1402767-07C	Vial water preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)
L1402767-08A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-09A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-10A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-11A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)
L1402767-11B	Vial water preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)
L1402767-11C	Vial water preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)
L1402767-11D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1402767-11E	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	MCP-8082LL-10-3540C(365)
L1402767-12A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-12B	Vial water preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-12C	Vial water preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-12D	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	HOLD()
L1402767-13A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)
L1402767-13B	Vial water preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1402767

Report Date: 02/11/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1402767-13C	Vial water preserved	A	N/A	2.3	Y	Absent	MCP-8260HLW-10(14)
L1402767-13D	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402767-14A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-14B	Vial water preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-14C	Vial water preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-14D	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	HOLD()
L1402767-15A	Vial MeOH preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-15B	Vial water preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-15C	Vial water preserved	A	N/A	2.3	Y	Absent	HOLD-8260HLW(14)
L1402767-15D	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	HOLD()

Container Comments

L1402767-11C

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

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.
LCS D	- 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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1402767
Report Date: 02/11/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd in Lab: 2/4/14

ALPHA Job #: L1402767

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerosol X
Project Location: New Bedford, MA
Project #: 39744051
Project Manager: Judy Leclair/M. Wella
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester NH 03001
Phone: 603 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 2/11/14

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

Additional Project Information:

*Chlorinated VOCs only

ANALYSIS		TOTAL # BOTTLES
VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SAMPLE INFO	
SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> Field	
METALS: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 <input type="checkbox"/> RCP 13	<input type="checkbox"/> Lab to do	
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Preservation	
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> Lab to do	
<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
	Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATION	Sample Comments	TOTAL # BOTTLES
		Date	Time						
	MW-18D (0-2)	2/3	10:30	Soil	CHE				1
	MW-18D (2-4)	2/3	10:35	Soil	CHE				1
	MW-18D (4-5)	2/3	0:40	Soil	CHE				1
02767-01	MW-18D (0-2)	2/3	13:50	Soil	CHE			RUN	1
02	MW-18D (2-4)	2/3	13:55	Soil	CHE			RUN	1
03	MW-18D (4-5)	2/3	14:00	Soil	CHE			RUN	1
04	MW-18S (0-2)	2/3	13:00	Soil	CHE			RUN	1
05	MW-18S (2-4)	2/3	13:10	Soil	CHE			RUN	1
06	MW-18S (4-5)	2/3	13:05	Soil	CHE			RUN	1
07	TB-01	2/3	0900			X		RUN	3

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type: V G
Preservative: O A

Relinquished By: *Changho Kim* Date/Time: 11:30 2/4/14
Received By: *Stewart* Date/Time: 2/4/14 11:50
Jewett 2/4/14 15:15 *Weller* *Mella* 2/4/14 18:00

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF _____

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 2/4/14

ALPHA Job #: L1402767

Project Information

Project Name: AcrossX
Project Location: New Bedford, MA
Project #: 39744051
Project Manager: Judy Leclair/m. wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm Street, Suite 401
Manchester, NH 03101
Phone: 603 606 4800
Email: Judy.Lclair@URS.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 2/11/14

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 _____

Additional Project Information:

ANALYSIS

VOC: 8260 * 824 524.2
SVOC: ABN PAH
METALS: MCP 13 MCP 14 RCP 15
METALS: RCRA5 RCRA8 PP13
EPH: Ranges & Targets Ranges Only
VPH: Ranges & Targets Ranges Only
 PCB PEST
TPH: Quant Only Fingerprint

Total Solids (TS from PCB sample bottle)

SAMPLE INFO

Filtration
 Field
 Lab to do

Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	Fingerprint	Filtration	Preservation	Sample Comments	TOTAL # BOTTLES	
		Date	Time																	
02767-08	MW-4S (0-2)	2/3	15:40	Soil	CMK														RUN	1
09	MW-4S (2-4)	2/3	15:45	Soil	CMK														RUN	1
10	MW-4S (4-5)	2/3	15:50	Soil	CMK														RUN	1
11	MW-11B (8-9)	2/3	12:00	Soil	JAC	X					X	X							RUN	5
12	MW13D (0-2)	2/4/14	0835	S	JKH						1								HOLD	5 4
13	MW13D (6-8)	2/4/14	0900	S	JKH						1								RUN	5 4
14	MW13D (8-10)	2/4/14	0920	S	JKH						1								HOLD	5 4
15	MW13D (10-12)	2/4/14	0930	S	JKH						1								HOLD	5 4

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type G P
Preservative O A

Relinquished By: Chasim Khan 11/10/13 2/4/14
Date/Time: 2/4/14 15:55

Received By: Judy Leclair 2/4/14 11:40
Date/Time: 2/4/14 11:40

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: **2/4/14**

ALPHA Job #: **L1402767**

Report Information - Data Deliverables

ADEX EMAIL Same as Client info PO #:

Project Information

Project Name: **Aerovox**

Project Location: **New Bedford, MA**

Project #: **39744051**

Project Manager: **Judy Leclair/M. Wella**

ALPHA Quote #:

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: **2/11/14**

Client Information

Client: **URS**

Address: **1155 Elm St, Suite 401
Manchester NH 03001**

Phone: **603 606-4800**

Email: **Judith.Leclair@urs.com**

Additional Project Information:

ANALYSIS	VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCR45 <input type="checkbox"/> RCR48 <input type="checkbox"/> PP13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES
							Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	Filtration	Preservation	Sample Comments	TOTAL # BOTTLES
		Date	Time							
	MW-18B (0-2)	2/3	10:30	Soil	CUR					1
	MW-18B (2-4)	2/3	10:35	Soil	CUR					1
	MW-18B (4-5)	2/3	0:40	Soil	CUR					1
02767-01	MW-18D (0-2)	2/3	13:50	Soil	CUR				RUN	1
02	MW-18D (2-4)	2/3	13:55	Soil	CUR				RUN	1
03	MW-18D (4-5)	2/3	14:00	Soil	CUR				RUN	1
04	MW-18S (0-2)	2/3	13:00	Soil	CUR				RUN	1
05	MW-18S (2-4)	2/3	13:10	Soil	CUR				RUN	1
06	MW-18S (4-5)	2/3	13:05	Soil	CUR				RUN	1
07	TB-01	2/3	0900			X			RUN	3

Container Type	Preservative	Container Type	Preservative
P= Plastic A= Amber glass V= Vial G= Glass B= Bacteria cup C= Cube O= Other E= Encore D= BOD Bottle	A= None B= HCl C= HNO3 D= H2SO4 E= NaOH F= MeOH G= NaHSO4 H= Na2S2O3 I= Ascorbic Acid J= NH4Cl K= Zn Acetate O= Other	V	O

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Changho Kim</i>	11:30 2/4/14	<i>Stewart</i>	2/4/14 11:50
<i>Jennifer</i>	2/4/14 15:15	<i>Wella</i>	2/4/14 18:00

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF _____

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 2/4/14

ALPHA Job #: L1402767

Project Information

Project Name: Acrosux
Project Location: New Bedford, MA
Project #: 39744051
Project Manager: Judy Leclair/m. wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm Street, Suite 401
Manchester, NH 03101
Phone: 603 606 4800
Email: Judy.Leclair@URS.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 2/11/14

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 _____

Additional Project Information:

ANALYSIS	VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL Solids (15 from PCB sample bottle)	SAMPLE INFO	TOTAL # BOTTLES
									Filtration	
									<input type="checkbox"/> Field	
									<input type="checkbox"/> Lab to do	
									Preservation	
									<input type="checkbox"/> Lab to do	
									Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	Sample Comments	TOTAL # BOTTLES
		Date	Time													
02767-08	MW-4S (0-2)	2/3	15:40	Soil	CMK										RUN	1
09	MW-4S (2-4)	2/3	15:45	Soil	CMK										RUN	1
10	MW-4S (4-5)	2/3	15:50	Soil	CMK										RUN	1
11	MW-11B (8-9)	2/3	12:00	Soil	JAC	X					X	X			RUN	5
12	MW13D (0-2)	2/4/14	0835	S	JKH						1				HOLD	5 4
13	MW13D (6-8)	2/4/14	0900	S	JKH						1				RUN	5 4
14	MW13D (8-10)	2/4/14	0920	S	JKH						1				HOLD	5 4
15	MW13D (10-12)	2/4/14	0930	S	JKH						1				HOLD	5 4

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type G

Preservative O

G

P

A

A

Relinquished By:

Date/Time

Chasim Khan 11:30 2/4/14
Paul Wall 2/4/14 15:55

Received By:

Date/Time

Judy Leclair 2/4/14 11:40
M. Wade 2/4/14 18:15

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1402908
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	02/12/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1402908-01	MW6B (41-43)	NEW BEDFORD, MA	02/04/14 13:00
L1402908-02	TB-02	NEW BEDFORD, MA	02/04/14 00:00

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

MADEP MCP Response Action Analytical Report Certification

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

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

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question H:


The continuing calibration standard, associated with L1402908-01 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.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 02/12/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1402908-01
 Client ID: MW6B (41-43)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/10/14 12:51
 Analyst: PP
 Percent Solids: 86%

Date Collected: 02/04/14 13:00
 Date Received: 02/06/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.6	--	1
1,1-Dichloroethane	ND		ug/kg	1.3	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.86	--	1
1,2-Dichloropropane	ND		ug/kg	3.0	--	1
Dibromochloromethane	ND		ug/kg	0.86	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	--	1
Tetrachloroethene	ND		ug/kg	0.86	--	1
Chlorobenzene	ND		ug/kg	0.86	--	1
1,2-Dichloroethane	ND		ug/kg	0.86	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.86	--	1
Bromodichloromethane	ND		ug/kg	0.86	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.86	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.86	--	1
Chloromethane	ND		ug/kg	3.4	--	1
Vinyl chloride	ND		ug/kg	1.7	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.86	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1
Trichloroethene	27		ug/kg	0.86	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	--	1
cis-1,2-Dichloroethene	14		ug/kg	0.86	--	1
Dichlorodifluoromethane	ND		ug/kg	8.6	--	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	0.86	--	1
o-Chlorotoluene	ND		ug/kg	3.4	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1402908-01
 Client ID: MW6B (41-43)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/04/14 13:00
 Date Received: 02/06/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	3.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1402908-02
 Client ID: TB-02
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/10/14 13:18
 Analyst: PP
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/04/14 00:00
 Date Received: 02/06/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1402908-02
 Client ID: TB-02
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/04/14 00:00
 Date Received: 02/06/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/14 08:45
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG669640-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/14 08:45
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG669640-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/14 08:45
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG669640-3					
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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

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: WG669640-1 WG669640-2								
Methylene chloride	101		92		70-130	9		20
1,1-Dichloroethane	108		99		70-130	9		20
Chloroform	108		98		70-130	10		20
Carbon tetrachloride	117		103		70-130	13		20
1,2-Dichloropropane	106		98		70-130	8		20
Dibromochloromethane	104		98		70-130	6		20
1,1,2-Trichloroethane	102		97		70-130	5		20
Tetrachloroethene	114		103		70-130	10		20
Chlorobenzene	106		98		70-130	8		20
Trichlorofluoromethane	124		110		70-130	12		20
1,2-Dichloroethane	104		96		70-130	8		20
1,1,1-Trichloroethane	113		101		70-130	11		20
Bromodichloromethane	109		98		70-130	11		20
trans-1,3-Dichloropropene	104		98		70-130	6		20
cis-1,3-Dichloropropene	107		99		70-130	8		20
1,1-Dichloropropene	112		100		70-130	11		20
Bromoform	101		96		70-130	5		20
1,1,2,2-Tetrachloroethane	96		92		70-130	4		20
Benzene	108		98		70-130	10		20
Toluene	107		98		70-130	9		20
Ethylbenzene	109		99		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

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: WG669640-1 WG669640-2								
Chloromethane	106		94		70-130	12		20
Bromomethane	109		95		70-130	14		20
Vinyl chloride	115		101		70-130	13		20
Chloroethane	115		106		70-130	8		20
1,1-Dichloroethene	111		98		70-130	12		20
trans-1,2-Dichloroethene	110		99		70-130	11		20
Trichloroethene	112		101		70-130	10		20
1,2-Dichlorobenzene	106		100		70-130	6		20
1,3-Dichlorobenzene	109		100		70-130	9		20
1,4-Dichlorobenzene	110		101		70-130	9		20
Methyl tert butyl ether	101		94		70-130	7		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	109		99		70-130	10		20
cis-1,2-Dichloroethene	109		99		70-130	10		20
Dibromomethane	102		96		70-130	6		20
1,2,3-Trichloropropane	96		92		70-130	4		20
Styrene	108		100		70-130	8		20
Dichlorodifluoromethane	121		102		70-130	17		20
Acetone	103		93		70-130	10		20
Carbon disulfide	108		96		70-130	12		20
Methyl ethyl ketone	90		85		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

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: WG669640-1 WG669640-2								
Methyl isobutyl ketone	95		91		70-130	4		20
2-Hexanone	90		85		70-130	6		20
Bromochloromethane	105		97		70-130	8		20
Tetrahydrofuran	98		93		70-130	5		20
2,2-Dichloropropane	112		100		70-130	11		20
1,2-Dibromoethane	100		95		70-130	5		20
1,3-Dichloropropane	101		95		70-130	6		20
1,1,1,2-Tetrachloroethane	107		99		70-130	8		20
Bromobenzene	106		99		70-130	7		20
n-Butylbenzene	115		102		70-130	12		20
sec-Butylbenzene	113		100		70-130	12		20
tert-Butylbenzene	110		99		70-130	11		20
o-Chlorotoluene	108		99		70-130	9		20
p-Chlorotoluene	109		99		70-130	10		20
1,2-Dibromo-3-chloropropane	92		90		70-130	2		20
Hexachlorobutadiene	117		107		70-130	9		20
Isopropylbenzene	108		98		70-130	10		20
p-Isopropyltoluene	113		101		70-130	11		20
Naphthalene	99		96		70-130	3		20
n-Propylbenzene	111		99		70-130	11		20
1,2,3-Trichlorobenzene	107		102		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG669640-1 WG669640-2								
1,2,4-Trichlorobenzene	111		105		70-130	6		20
1,3,5-Trimethylbenzene	111		100		70-130	10		20
1,2,4-Trimethylbenzene	110		101		70-130	9		20
Diethyl ether	103		96		70-130	7		20
Diisopropyl Ether	105		98		70-130	7		20
Ethyl-Tert-Butyl-Ether	105		98		70-130	7		20
Tertiary-Amyl Methyl Ether	105		98		70-130	7		20
1,4-Dioxane	103		98		70-130	5		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	101		101		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1402908-01
 Client ID: MW6B (41-43)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/10/14 17:00
 Analyst: KB
 Percent Solids: 86%

Date Collected: 02/04/14 13:00
 Date Received: 02/06/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/08/14 05:00
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/09/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.6	--	1	A
Aroclor 1221	ND		ug/kg	22.6	--	1	A
Aroclor 1232	ND		ug/kg	22.6	--	1	A
Aroclor 1242	ND		ug/kg	22.6	--	1	A
Aroclor 1248	136		ug/kg	15.0	--	1	B
Aroclor 1254	168		ug/kg	22.6	--	1	A
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.52	--	1	A
Aroclor 1268	ND		ug/kg	7.52	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082
 Analytical Date: 02/10/14 17:12
 Analyst: KB

Extraction Method: EPA 3540C
 Extraction Date: 02/08/14 05:00
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/09/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG669375-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.50	--	A
Aroclor 1268	ND		ug/kg	6.50	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	109		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG669375-2 WG669375-3									
Aroclor 1016	93		97		40-140	4		30	A
Aroclor 1260	96		95		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		96		30-150	A
Decachlorobiphenyl	112		111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		105		30-150	B
Decachlorobiphenyl	110		109		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1402908-01
Client ID: MW6B (41-43)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/04/14 13:00
Date Received: 02/06/14
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	86.3		%	0.100	NA	1	-	02/06/14 20:38	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG669091-1 QC Sample: L1402913-01 Client ID: DUP Sample						
Solids, Total	42.9	38.3	%	11		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/05/2014 16:00

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1402908-01A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1402908-01B	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1402908-01C	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1402908-01D	Amber 250ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1402908-02A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1402908-02B	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1402908-02C	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1402908
Report Date: 02/12/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



8 Walkup Drive Westboro, MA 01581 Tel: 508-898-9220
 320 Forbes Blvd Mansfield, MA 02048 Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/6/14 ALPHA Job #: C1402908

Client Information

Client: **URS**
 Address: **1155 Elm St, Suite 401 Manchester, NH 03101**
 Phone: **(603) 606-4800**
 Email: **judith.leclair@urs.com**
 Additional Project Information:
CVOC x 8260B on all VOC Samples

Project Information

Project Name: **Aerovox**
 Project Location: **New Bedford, MA**
 Project #: **39744051.2000/**
 Project Manager: **M. Wade/J. LeClair**
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
 Date Due: **2/13/14**

Report Information - Data Deliverables

ADEx EMAIL 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	SAMPLE INFO	TOTAL # BOTTLES
SYOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2		
METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> Field	
EPH: <input type="checkbox"/> RCRAs <input type="checkbox"/> RCRAs <input type="checkbox"/> PPI3	<input type="checkbox"/> Lab to do	
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	Preservation	
<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	<input type="checkbox"/> Lab to do	
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
Total Solids (from PCB)		
	Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials
		Date	Time		
02908 - 01	MWLB (41-43)	2/4	13:00	Soil	CMK
02	TB-02	2/4	1300	TB	

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₃
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type	V	G
Preservative	O	A

Relinquished By: <i>[Signature]</i>	Date/Time 2/6/14 0950	Received By: <i>[Signature]</i>	Date/Time 2/6/14 0950
	2/6/14 1200		2/6/14 1201

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1402908

Instrument ID: Voal04.i Calibration Date: 10-FEB-2014 Time: 07:23

Lab File ID: 0210A02 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.2456	.29621	.1	21	20	F
chloromethane	.47699	.50737	.1	6	20	
vinyl chloride	.38826	.44558	.1	15	20	
bromomethane	.22319	.24368	.1	9	20	
chloroethane	.19181	.22069	.1	15	20	
trichlorofluoromethane	.38706	.48128	.1	24	20	F
ethyl ether	.12933	.13345	.05	3	20	
1,1,-dichloroethene	.2801	.31185	.1	11	20	
carbon disulfide	.87199	.94384	.1	8	20	
methylene chloride	.35034	.35263	.1	1	20	
acetone	100	103	.1	3	20	
trans-1,2-dichloroethene	.32209	.35613	.1	11	20	
methyl tert butyl ether	.77008	.77633	.1	1	20	
Diisopropyl Ether	1.3027	1.3630	.05	5	20	
1,1-dichloroethane	.63829	.68881	.2	8	20	
Ethyl-Tert-Butyl-Ether	1.1479	1.2070	.05	5	20	
cis-1,2-dichloroethene	.3552	.38722	.1	9	20	
2,2-dichloropropane	.42443	.47503	.05	12	20	
bromochloromethane	.19052	.19974	.05	5	20	
chloroform	.53755	.58111	.2	8	20	
carbontetrachloride	.41565	.48719	.1	17	20	
tetrahydrofuran	.12408	.12131	.05	-2	20	
1,1,1-trichloroethane	.47145	.53357	.1	13	20	
2-butanone	.16494	.14853	.1	-10	20	
1,1-dichloropropene	.40701	.45818	.05	13	20	
benzene	1.2029	1.3015	.5	8	20	
Tertiary-Amyl Methyl Ether	.79998	.84151	.05	5	20	
1,2-dichloroethane	.42241	.43781	.1	4	20	
trichloroethene	.3358	.37666	.2	12	20	
dibromomethane	.19714	.20058	.05	2	20	
1,2-dichloropropane	.37464	.39894	.1	6	20	
bromodichloromethane	.41046	.44634	.2	9	20	
1,4-dioxane	.00317	.00327	.05	3	20	F
cis-1,3-dichloropropene	.49373	.53045	.2	7	20	
toluene	.96163	1.0307	.4	7	20	
tetrachloroethene	.47421	.53937	.2	14	20	
4-methyl-2-pentanone	.14818	.14123	.1	-5	20	
trans-1,3-dichloropropene	.52206	.54513	.1	4	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1402908

Instrument ID: Voal04.i Calibration Date: 10-FEB-2014 Time: 07:23

Lab File ID: 0210A02 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.2743	.27843	.1	2	20
chlorodibromomethane	.44393	.46033	.1	4	20
1,3-dichloropropane	.53502	.54065	.05	1	20
1,2-dibromoethane	.37021	.37201	.1	0	20
2-hexanone	.31885	.28712	.1	-10	20
chlorobenzene	1.1447	1.2186	.5	6	20
ethyl benzene	1.8538	2.0204	.1	9	20
1,1,1,2-tetrachloroethane	.43944	.46887	.05	7	20
p/m xylene	.74208	.81291	.1	10	20
o xylene	.70662	.76763	.3	9	20
styrene	1.1709	1.2703	.3	8	20
bromoform	.57654	.58287	.1	1	20
isopropylbenzene	3.5665	3.8676	.1	8	20
bromobenzene	1.0234	1.0852	.05	6	20
n-propylbenzene	3.9208	4.3372	.05	11	20
1,1,2,2,-tetrachloroethane	.85149	.81588	.3	-4	20
2-chlorotoluene	2.4872	2.7007	.05	9	20
1,2,3-trichloropropane	.62086	.5951	.05	-4	20
1,3,5-trimethylbenzene	2.9418	3.2668	.05	11	20
4-chlorotoluene	2.4315	2.6485	.05	9	20
tert-butylbenzene	2.5877	2.8504	.05	10	20
1,2,4-trimethylbenzene	2.9827	3.2689	.05	10	20
sec-butylbenzene	3.7584	4.2332	.05	13	20
p-isopropyltoluene	3.2721	3.6850	.05	13	20
1,3-dichlorobenzene	1.8944	2.0740	.6	9	20
1,4-dichlorobenzene	1.9144	2.0973	.5	10	20
n-butylbenzene	2.6866	3.0954	.05	15	20
1,2-dichlorobenzene	1.7682	1.8798	.4	6	20
1,2-dibromo-3-chloropropane	.1627	.14961	.05	-8	20
hexachlorobutadiene	.57947	.6795	.05	17	20
1,2,4-trichlorobenzene	1.2197	1.3506	.2	11	20
naphthalene	2.8293	2.8005	.05	-1	20
1,2,3-trichlorobenzene	1.1423	1.2216	.05	7	20
dibromofluoromethane	.27073	.27382	.05	1	30
1,2-dichloroethane-d4	.25747	.25079	.05	-3	30
toluene-d8	1.1871	1.1683	.05	-2	30
4-bromofluorobenzene	.83425	.82371	.05	-1	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1403086
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith Leclair
Phone:	(603) 606-4818
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	02/12/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403086-01	MW4S (9-11)	NEW BEDFORD, MA	02/06/14 15:10
L1403086-02	MW4S (11-13)	NEW BEDFORD, MA	02/06/14 15:20
L1403086-03	TB-03	NEW BEDFORD, MA	02/06/14 15:10
L1403086-04	MW18D (13-15)	NEW BEDFORD, MA	02/07/14 09:20
L1403086-05	MW18D (19-21)	NEW BEDFORD, MA	02/07/14 09:50
L1403086-06	MW18D (21-23)	NEW BEDFORD, MA	02/07/14 10:10

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

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?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

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

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

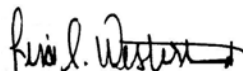
L1403086-02: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:



Lisa Westerlind

Title: Technical Director/Representative

Date: 02/12/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-02 D
 Client ID: MW4S (11-13)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/11/14 15:03
 Analyst: BN
 Percent Solids: 81%

Date Collected: 02/06/14 15:20
 Date Received: 02/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	910	--	2
1,1-Dichloroethane	ND		ug/kg	140	--	2
Chloroform	ND		ug/kg	140	--	2
Carbon tetrachloride	ND		ug/kg	91	--	2
1,2-Dichloropropane	ND		ug/kg	320	--	2
Dibromochloromethane	ND		ug/kg	91	--	2
1,1,2-Trichloroethane	ND		ug/kg	140	--	2
Tetrachloroethene	ND		ug/kg	91	--	2
Chlorobenzene	ND		ug/kg	91	--	2
1,2-Dichloroethane	ND		ug/kg	91	--	2
1,1,1-Trichloroethane	ND		ug/kg	91	--	2
Bromodichloromethane	ND		ug/kg	91	--	2
trans-1,3-Dichloropropene	ND		ug/kg	91	--	2
cis-1,3-Dichloropropene	ND		ug/kg	91	--	2
Bromoform	ND		ug/kg	360	--	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	91	--	2
Chloromethane	ND		ug/kg	360	--	2
Vinyl chloride	ND		ug/kg	180	--	2
Chloroethane	ND		ug/kg	180	--	2
1,1-Dichloroethene	ND		ug/kg	91	--	2
trans-1,2-Dichloroethene	ND		ug/kg	140	--	2
Trichloroethene	ND		ug/kg	91	--	2
1,2-Dichlorobenzene	ND		ug/kg	360	--	2
1,3-Dichlorobenzene	ND		ug/kg	360	--	2
1,4-Dichlorobenzene	ND		ug/kg	360	--	2
cis-1,2-Dichloroethene	ND		ug/kg	91	--	2
Dichlorodifluoromethane	ND		ug/kg	910	--	2
1,2-Dibromoethane	ND		ug/kg	360	--	2
1,3-Dichloropropane	ND		ug/kg	360	--	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	91	--	2
o-Chlorotoluene	ND		ug/kg	360	--	2

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-02 D
 Client ID: MW4S (11-13)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/06/14 15:20
 Date Received: 02/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	360	--	2
Hexachlorobutadiene	ND		ug/kg	360	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-03
 Client ID: TB-03
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/11/14 15:57
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/06/14 15:10
 Date Received: 02/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-03
 Client ID: TB-03
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/06/14 15:10
 Date Received: 02/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-03
 Client ID: TB-03
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/12/14 09:36
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/06/14 15:10
 Date Received: 02/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-03
 Client ID: TB-03
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/06/14 15:10
 Date Received: 02/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-06
 Client ID: MW18D (21-23)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/12/14 09:09
 Analyst: BN
 Percent Solids: 84%

Date Collected: 02/07/14 10:10
 Date Received: 02/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	2.7	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.78	--	1
Chlorobenzene	ND		ug/kg	0.78	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.78	--	1
Bromodichloromethane	ND		ug/kg	0.78	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	6.2		ug/kg	0.78	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	--	1
cis-1,2-Dichloroethene	3.0		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
1,2-Dibromoethane	ND		ug/kg	3.1	--	1
1,3-Dichloropropane	ND		ug/kg	3.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.78	--	1
o-Chlorotoluene	ND		ug/kg	3.1	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-06
 Client ID: MW18D (21-23)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/07/14 10:10
 Date Received: 02/07/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	3.1	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/11/14 08:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG669967-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/11/14 08:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG669967-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/11/14 08:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG669967-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/14 08:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03,06 Batch: WG670009-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/14 08:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03,06 Batch: WG670009-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/14 08:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03,06 Batch: WG670009-3					
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	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

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: WG669967-1 WG669967-2								
Methylene chloride	92		89		70-130	3		20
1,1-Dichloroethane	99		96		70-130	3		20
Chloroform	98		96		70-130	2		20
Carbon tetrachloride	106		102		70-130	4		20
1,2-Dichloropropane	98		95		70-130	3		20
Dibromochloromethane	94		94		70-130	0		20
1,1,2-Trichloroethane	95		94		70-130	1		20
Tetrachloroethene	105		102		70-130	3		20
Chlorobenzene	97		95		70-130	2		20
Trichlorofluoromethane	115		107		70-130	7		20
1,2-Dichloroethane	95		93		70-130	2		20
1,1,1-Trichloroethane	103		99		70-130	4		20
Bromodichloromethane	98		96		70-130	2		20
trans-1,3-Dichloropropene	95		95		70-130	0		20
cis-1,3-Dichloropropene	97		94		70-130	3		20
1,1-Dichloropropene	104		98		70-130	6		20
Bromoform	92		93		70-130	1		20
1,1,2,2-Tetrachloroethane	91		89		70-130	2		20
Benzene	100		95		70-130	5		20
Toluene	99		98		70-130	1		20
Ethylbenzene	99		96		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

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: WG669967-1 WG669967-2								
Chloromethane	98		89		70-130	10		20
Bromomethane	87		83		70-130	5		20
Vinyl chloride	104		96		70-130	8		20
Chloroethane	107		102		70-130	5		20
1,1-Dichloroethene	104		97		70-130	7		20
trans-1,2-Dichloroethene	101		97		70-130	4		20
Trichloroethene	103		96		70-130	7		20
1,2-Dichlorobenzene	99		96		70-130	3		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	101		97		70-130	4		20
Methyl tert butyl ether	94		92		70-130	2		20
p/m-Xylene	101		97		70-130	4		20
o-Xylene	99		96		70-130	3		20
cis-1,2-Dichloroethene	98		95		70-130	3		20
Dibromomethane	95		91		70-130	4		20
1,2,3-Trichloropropane	91		88		70-130	3		20
Styrene	100		97		70-130	3		20
Dichlorodifluoromethane	105		96		70-130	9		20
Acetone	110		88		70-130	22	Q	20
Carbon disulfide	98		93		70-130	5		20
Methyl ethyl ketone	87		82		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

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: WG669967-1 WG669967-2								
Methyl isobutyl ketone	90		86		70-130	5		20
2-Hexanone	87		85		70-130	2		20
Bromochloromethane	96		93		70-130	3		20
Tetrahydrofuran	93		89		70-130	4		20
2,2-Dichloropropane	104		98		70-130	6		20
1,2-Dibromoethane	92		91		70-130	1		20
1,3-Dichloropropane	93		93		70-130	0		20
1,1,1,2-Tetrachloroethane	96		96		70-130	0		20
Bromobenzene	99		97		70-130	2		20
n-Butylbenzene	105		100		70-130	5		20
sec-Butylbenzene	103		100		70-130	3		20
tert-Butylbenzene	102		98		70-130	4		20
o-Chlorotoluene	100		98		70-130	2		20
p-Chlorotoluene	101		98		70-130	3		20
1,2-Dibromo-3-chloropropane	85		82		70-130	4		20
Hexachlorobutadiene	107		100		70-130	7		20
Isopropylbenzene	101		99		70-130	2		20
p-Isopropyltoluene	103		100		70-130	3		20
Naphthalene	91		88		70-130	3		20
n-Propylbenzene	103		99		70-130	4		20
1,2,3-Trichlorobenzene	97		94		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

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: WG669967-1 WG669967-2								
1,2,4-Trichlorobenzene	102		98		70-130	4		20
1,3,5-Trimethylbenzene	102		98		70-130	4		20
1,2,4-Trimethylbenzene	101		98		70-130	3		20
Diethyl ether	95		92		70-130	3		20
Diisopropyl Ether	99		97		70-130	2		20
Ethyl-Tert-Butyl-Ether	98		96		70-130	2		20
Tertiary-Amyl Methyl Ether	98		94		70-130	4		20
1,4-Dioxane	90		86		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,06 Batch: WG670009-1 WG670009-2								
Methylene chloride	93		102		70-130	9		20
1,1-Dichloroethane	100		108		70-130	8		20
Chloroform	99		107		70-130	8		20
Carbon tetrachloride	106		115		70-130	8		20
1,2-Dichloropropane	98		107		70-130	9		20
Dibromochloromethane	91		101		70-130	10		20
1,1,2-Trichloroethane	91		101		70-130	10		20
Tetrachloroethene	105		112		70-130	6		20
Chlorobenzene	98		106		70-130	8		20
Trichlorofluoromethane	116		123		70-130	6		20
1,2-Dichloroethane	94		105		70-130	11		20
1,1,1-Trichloroethane	104		111		70-130	7		20
Bromodichloromethane	99		109		70-130	10		20
trans-1,3-Dichloropropene	94		102		70-130	8		20
cis-1,3-Dichloropropene	98		108		70-130	10		20
1,1-Dichloropropene	105		111		70-130	6		20
Bromoform	88		98		70-130	11		20
1,1,2,2-Tetrachloroethane	85		95		70-130	11		20
Benzene	99		108		70-130	9		20
Toluene	100		108		70-130	8		20
Ethylbenzene	100		108		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,06 Batch: WG670009-1 WG670009-2								
Chloromethane	98		105		70-130	7		20
Bromomethane	103		105		70-130	2		20
Vinyl chloride	104		112		70-130	7		20
Chloroethane	109		116		70-130	6		20
1,1-Dichloroethene	101		110		70-130	9		20
trans-1,2-Dichloroethene	103		110		70-130	7		20
Trichloroethene	104		112		70-130	7		20
1,2-Dichlorobenzene	97		108		70-130	11		20
1,3-Dichlorobenzene	100		109		70-130	9		20
1,4-Dichlorobenzene	100		108		70-130	8		20
Methyl tert butyl ether	92		100		70-130	8		20
p/m-Xylene	102		109		70-130	7		20
o-Xylene	101		107		70-130	6		20
cis-1,2-Dichloroethene	99		108		70-130	9		20
Dibromomethane	93		102		70-130	9		20
1,2,3-Trichloropropane	84		93		70-130	10		20
Styrene	101		109		70-130	8		20
Dichlorodifluoromethane	108		114		70-130	5		20
Acetone	100		108		70-130	8		20
Carbon disulfide	98		105		70-130	7		20
Methyl ethyl ketone	78		89		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,06 Batch: WG670009-1 WG670009-2								
Methyl isobutyl ketone	88		96		70-130	9		20
2-Hexanone	82		88		70-130	7		20
Bromochloromethane	95		106		70-130	11		20
Tetrahydrofuran	87		96		70-130	10		20
2,2-Dichloropropane	105		113		70-130	7		20
1,2-Dibromoethane	89		100		70-130	12		20
1,3-Dichloropropane	91		100		70-130	9		20
1,1,1,2-Tetrachloroethane	97		106		70-130	9		20
Bromobenzene	97		106		70-130	9		20
n-Butylbenzene	105		112		70-130	6		20
sec-Butylbenzene	102		110		70-130	8		20
tert-Butylbenzene	101		108		70-130	7		20
o-Chlorotoluene	98		107		70-130	9		20
p-Chlorotoluene	99		106		70-130	7		20
1,2-Dibromo-3-chloropropane	83		92		70-130	10		20
Hexachlorobutadiene	108		114		70-130	5		20
Isopropylbenzene	99		106		70-130	7		20
p-Isopropyltoluene	102		111		70-130	8		20
Naphthalene	88		99		70-130	12		20
n-Propylbenzene	100		107		70-130	7		20
1,2,3-Trichlorobenzene	98		108		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,06 Batch: WG670009-1 WG670009-2								
1,2,4-Trichlorobenzene	103		113		70-130	9		20
1,3,5-Trimethylbenzene	100		107		70-130	7		20
1,2,4-Trimethylbenzene	100		108		70-130	8		20
Diethyl ether	99		105		70-130	6		20
Diisopropyl Ether	97		106		70-130	9		20
Ethyl-Tert-Butyl-Ether	98		106		70-130	8		20
Tertiary-Amyl Methyl Ether	96		105		70-130	9		20
1,4-Dioxane	96		108		70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	99		101		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-02
 Client ID: MW4S (11-13)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/11/14 14:17
 Analyst: KB
 Percent Solids: 81%

Date Collected: 02/06/14 15:20
 Date Received: 02/07/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/10/14 12:18
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/11/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.6	--	1	A
Aroclor 1221	ND		ug/kg	23.6	--	1	A
Aroclor 1232	ND		ug/kg	23.6	--	1	A
Aroclor 1242	ND		ug/kg	23.6	--	1	A
Aroclor 1248	ND		ug/kg	15.7	--	1	A
Aroclor 1254	49.8		ug/kg	23.6	--	1	B
Aroclor 1260	ND		ug/kg	15.7	--	1	A
Aroclor 1262	ND		ug/kg	7.87	--	1	A
Aroclor 1268	ND		ug/kg	7.87	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-06
 Client ID: MW18D (21-23)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/11/14 14:30
 Analyst: KB
 Percent Solids: 84%

Date Collected: 02/07/14 10:10
 Date Received: 02/07/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/10/14 12:18
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/11/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.4	--	1	A
Aroclor 1221	ND		ug/kg	23.4	--	1	A
Aroclor 1232	ND		ug/kg	23.4	--	1	A
Aroclor 1242	ND		ug/kg	23.4	--	1	A
Aroclor 1248	ND		ug/kg	15.6	--	1	A
Aroclor 1254	ND		ug/kg	23.4	--	1	A
Aroclor 1260	ND		ug/kg	15.6	--	1	A
Aroclor 1262	ND		ug/kg	7.79	--	1	A
Aroclor 1268	ND		ug/kg	7.79	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	37		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 02/11/14 08:39
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 02/10/14 11:06
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/11/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02,06 Batch: WG669534-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.51	--	A
Aroclor 1268	ND		ug/kg	6.51	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02,06 Batch: WG669534-2 WG669534-3									
Aroclor 1016	76		73		40-140	4		30	A
Aroclor 1260	74		68		40-140	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		69		30-150	A
Decachlorobiphenyl	66		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		71		30-150	B
Decachlorobiphenyl	75		65		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-02
Client ID: MW4S (11-13)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/06/14 15:20
Date Received: 02/07/14
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	80.6		%	0.100	NA	1	-	02/07/14 21:44	30,2540G	RT



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

SAMPLE RESULTS

Lab ID: L1403086-06
Client ID: MW18D (21-23)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/07/14 10:10
Date Received: 02/07/14
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	84.1		%	0.100	NA	1	-	02/07/14 21:44	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,06 QC Batch ID: WG669337-1 QC Sample: L1403002-01 Client ID: DUP Sample						
Solids, Total	82.4	83.7	%	2		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/07/2014 18:00

Cooler Information Custody Seal Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403086-01A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-01B	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-01C	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-01D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1403086-02A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403086-02B	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403086-02C	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403086-02D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403086-03A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403086-03B	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403086-03C	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403086-04A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-04B	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-04C	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-04D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1403086-05A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-05B	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-05C	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD(0)
L1403086-05D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1403086-06A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403086-06B	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403086-06C	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403086-06D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403086
Report Date: 02/12/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 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 VIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd in Lab: 2/7/14

ALPHA Job #: L1403086

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox
Project Location: New Bedford, MA
Project #: 39744051.20001
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 2/14/14

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

Additional Project Information:
CVOC on all voc samples

ANALYSIS	CVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<u>Total Solids (from PCB)</u>	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials										Sample Comments			
		Date	Time															
03086-01	MW 4S (9-11)	2.6.14	1510	S	JKH	3									1	X	HOLD	4
-02	MW 4S (11-13)	2.6.14	1520	S	JKH	3									1	X	RUN	4
-03	TB-03	2.6.14	1510	TB	JKH	3											RUN	3
-04	MW 18D (13-15)	2.7.14	0920	S	JKH	3									1	X	HOLD	4
-05	MW 18D (19-21)	2.7.14	0950	S	JKH	3									1	X	HOLD	4
-06	MW 18D (21-23)	2.7.14	1010	S	JKH	3									1	X	RUN	4

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O3
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	<input checked="" type="checkbox"/>																		
Preservative	<input type="checkbox"/>																		

Relinquished By: JKH
[Signature]
Date/Time: 2/7/14 1410
Received By: [Signature]
Date/Time: 2/7/14 1651

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1403180
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX GEOPROBE
Project Number:	39744051.20001
Report Date:	02/18/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403180-01	TB-04	NEW BEDFORD, MA	02/10/14 00:00
L1403180-02	MW16S(5-7)	NEW BEDFORD, MA	02/10/14 09:10
L1403180-03	MW16S(9-11)	NEW BEDFORD, MA	02/10/14 09:30
L1403180-04	MW16S(11-13)	NEW BEDFORD, MA	02/10/14 09:40
L1403180-05	MW19D(4-6)	NEW BEDFORD, MA	02/10/14 11:30
L1403180-06	MW19D(16-18)	NEW BEDFORD, MA	02/10/14 12:30
L1403180-07	MW19D(20-22)	NEW BEDFORD, MA	02/10/14 12:45
L1403180-08	MW19D(22-24)	NEW BEDFORD, MA	02/10/14 13:10

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

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?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

L1403180-03: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L1403180-05 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

In reference to question G:

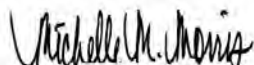
One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 02/18/14

ORGANICS

VOLATILES

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-01
 Client ID: TB-04
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/16/14 15:58
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/10/14 00:00
 Date Received: 02/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-01

Date Collected: 02/10/14 00:00

Client ID: TB-04

Date Received: 02/10/14

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-03
Client ID: MW16S(9-11)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/14/14 18:10
Analyst: MV
Percent Solids: 82%

Date Collected: 02/10/14 09:30
Date Received: 02/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	770	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	77	--	1
1,2-Dichloropropane	ND		ug/kg	270	--	1
Dibromochloromethane	ND		ug/kg	77	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	77	--	1
Chlorobenzene	ND		ug/kg	77	--	1
1,2-Dichloroethane	ND		ug/kg	77	--	1
1,1,1-Trichloroethane	ND		ug/kg	77	--	1
Bromodichloromethane	ND		ug/kg	77	--	1
trans-1,3-Dichloropropene	ND		ug/kg	77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	77	--	1
Bromoform	ND		ug/kg	310	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	77	--	1
Chloromethane	ND		ug/kg	310	--	1
Vinyl chloride	ND		ug/kg	150	--	1
Chloroethane	ND		ug/kg	150	--	1
1,1-Dichloroethene	ND		ug/kg	77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	ND		ug/kg	77	--	1
1,2-Dichlorobenzene	ND		ug/kg	310	--	1
1,3-Dichlorobenzene	ND		ug/kg	310	--	1
1,4-Dichlorobenzene	ND		ug/kg	310	--	1
cis-1,2-Dichloroethene	ND		ug/kg	77	--	1
Dichlorodifluoromethane	ND		ug/kg	770	--	1
1,2-Dibromoethane	ND		ug/kg	310	--	1
1,3-Dichloropropane	ND		ug/kg	310	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	77	--	1
o-Chlorotoluene	ND		ug/kg	310	--	1

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-03

Date Collected: 02/10/14 09:30

Client ID: MW16S(9-11)

Date Received: 02/10/14

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	310	--	1
Hexachlorobutadiene	ND		ug/kg	310	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-05 D
 Client ID: MW19D(4-6)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/14/14 18:38
 Analyst: MV
 Percent Solids: 93%

Date Collected: 02/10/14 11:30
 Date Received: 02/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1300	--	2.5
1,1-Dichloroethane	ND		ug/kg	200	--	2.5
Chloroform	ND		ug/kg	200	--	2.5
Carbon tetrachloride	ND		ug/kg	130	--	2.5
1,2-Dichloropropane	ND		ug/kg	460	--	2.5
Dibromochloromethane	ND		ug/kg	130	--	2.5
1,1,2-Trichloroethane	ND		ug/kg	200	--	2.5
Tetrachloroethene	ND		ug/kg	130	--	2.5
Chlorobenzene	ND		ug/kg	130	--	2.5
1,2-Dichloroethane	ND		ug/kg	130	--	2.5
1,1,1-Trichloroethane	ND		ug/kg	130	--	2.5
Bromodichloromethane	ND		ug/kg	130	--	2.5
trans-1,3-Dichloropropene	ND		ug/kg	130	--	2.5
cis-1,3-Dichloropropene	ND		ug/kg	130	--	2.5
Bromoform	ND		ug/kg	520	--	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	130	--	2.5
Chloromethane	ND		ug/kg	520	--	2.5
Vinyl chloride	ND		ug/kg	260	--	2.5
Chloroethane	ND		ug/kg	260	--	2.5
1,1-Dichloroethene	ND		ug/kg	130	--	2.5
trans-1,2-Dichloroethene	ND		ug/kg	200	--	2.5
Trichloroethene	ND		ug/kg	130	--	2.5
1,2-Dichlorobenzene	ND		ug/kg	520	--	2.5
1,3-Dichlorobenzene	ND		ug/kg	520	--	2.5
1,4-Dichlorobenzene	ND		ug/kg	520	--	2.5
cis-1,2-Dichloroethene	ND		ug/kg	130	--	2.5
Dichlorodifluoromethane	ND		ug/kg	1300	--	2.5
1,2-Dibromoethane	ND		ug/kg	520	--	2.5
1,3-Dichloropropane	ND		ug/kg	520	--	2.5
1,1,1,2-Tetrachloroethane	ND		ug/kg	130	--	2.5
o-Chlorotoluene	ND		ug/kg	520	--	2.5

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-05 D

Date Collected: 02/10/14 11:30

Client ID: MW19D(4-6)

Date Received: 02/10/14

Sample Location: NEW BEDFORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	520	--	2.5
Hexachlorobutadiene	ND		ug/kg	520	--	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	520	--	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/14/14 09:12
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03,05 Batch: WG670659-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
o-Chlorotoluene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 02/14/14 09:12
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03,05 Batch: WG670659-3					
p-Chlorotoluene	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 02/16/14 08:54
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 01 Batch: WG670735-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
o-Chlorotoluene	ND		ug/kg	200	--

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
 Analytical Date: 02/16/14 08:54
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 01 Batch: WG670735-3					
p-Chlorotoluene	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,05 Batch: WG670659-1 WG670659-2								
Methylene chloride	92		95		70-130	3		20
1,1-Dichloroethane	94		97		70-130	3		20
Chloroform	95		99		70-130	4		20
Carbon tetrachloride	97		101		70-130	4		20
1,2-Dichloropropane	96		99		70-130	3		20
Dibromochloromethane	92		95		70-130	3		20
1,1,2-Trichloroethane	97		100		70-130	3		20
Tetrachloroethene	94		97		70-130	3		20
Chlorobenzene	95		98		70-130	3		20
Trichlorofluoromethane	102		105		70-130	3		20
1,2-Dichloroethane	95		100		70-130	5		20
1,1,1-Trichloroethane	93		97		70-130	4		20
Bromodichloromethane	94		98		70-130	4		20
trans-1,3-Dichloropropene	92		95		70-130	3		20
cis-1,3-Dichloropropene	94		97		70-130	3		20
1,1-Dichloropropene	95		98		70-130	3		20
Bromoform	88		92		70-130	4		20
1,1,2,2-Tetrachloroethane	96		102		70-130	6		20
Benzene	93		96		70-130	3		20
Toluene	92		93		70-130	1		20
Ethylbenzene	94		96		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,05 Batch: WG670659-1 WG670659-2								
Chloromethane	86		89		70-130	3		20
Bromomethane	124		126		70-130	2		20
Vinyl chloride	94		99		70-130	5		20
Chloroethane	104		105		70-130	1		20
1,1-Dichloroethene	93		102		70-130	9		20
trans-1,2-Dichloroethene	95		98		70-130	3		20
Trichloroethene	95		98		70-130	3		20
1,2-Dichlorobenzene	100		102		70-130	2		20
1,3-Dichlorobenzene	101		102		70-130	1		20
1,4-Dichlorobenzene	102		104		70-130	2		20
Methyl tert butyl ether	90		95		70-130	5		20
p/m-Xylene	95		97		70-130	2		20
o-Xylene	93		96		70-130	3		20
cis-1,2-Dichloroethene	94		97		70-130	3		20
Dibromomethane	97		103		70-130	6		20
1,2,3-Trichloropropane	96		102		70-130	6		20
Styrene	93		97		70-130	4		20
Dichlorodifluoromethane	92		95		70-130	3		20
Acetone	91		99		70-130	8		20
Carbon disulfide	92		95		70-130	3		20
2-Butanone	93		105		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,05 Batch: WG670659-1 WG670659-2								
4-Methyl-2-pentanone	87		96		70-130	10		20
2-Hexanone	74		82		70-130	10		20
Bromochloromethane	97		100		70-130	3		20
Tetrahydrofuran	82		90		70-130	9		20
2,2-Dichloropropane	90		92		70-130	2		20
1,2-Dibromoethane	93		98		70-130	5		20
1,3-Dichloropropane	94		99		70-130	5		20
1,1,1,2-Tetrachloroethane	93		95		70-130	2		20
Bromobenzene	95		97		70-130	2		20
n-Butylbenzene	108		109		70-130	1		20
sec-Butylbenzene	100		101		70-130	1		20
tert-Butylbenzene	98		98		70-130	0		20
o-Chlorotoluene	101		102		70-130	1		20
p-Chlorotoluene	101		102		70-130	1		20
1,2-Dibromo-3-chloropropane	91		98		70-130	7		20
Hexachlorobutadiene	95		97		70-130	2		20
Isopropylbenzene	96		98		70-130	2		20
p-Isopropyltoluene	101		102		70-130	1		20
Naphthalene	94		101		70-130	7		20
n-Propylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	97		101		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03,05 Batch: WG670659-1 WG670659-2								
1,2,4-Trichlorobenzene	104		106		70-130	2		20
1,3,5-Trimethylbenzene	99		100		70-130	1		20
1,2,4-Trimethylbenzene	99		101		70-130	2		20
Ethyl ether	96		102		70-130	6		20
Isopropyl Ether	90		94		70-130	4		20
Ethyl-Tert-Butyl-Ether	90		94		70-130	4		20
Tertiary-Amyl Methyl Ether	88		92		70-130	4		20
1,4-Dioxane	98		106		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		96		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG670735-1 WG670735-2								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	102		95		70-130	7		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	104		96		70-130	8		20
1,2-Dichloropropane	102		99		70-130	3		20
Dibromochloromethane	97		97		70-130	0		20
1,1,2-Trichloroethane	102		101		70-130	1		20
Tetrachloroethene	100		94		70-130	6		20
Chlorobenzene	101		98		70-130	3		20
Trichlorofluoromethane	114		104		70-130	9		20
1,2-Dichloroethane	102		99		70-130	3		20
1,1,1-Trichloroethane	101		91		70-130	10		20
Bromodichloromethane	100		97		70-130	3		20
trans-1,3-Dichloropropene	99		97		70-130	2		20
cis-1,3-Dichloropropene	100		96		70-130	4		20
1,1-Dichloropropene	103		95		70-130	8		20
Bromoform	93		91		70-130	2		20
1,1,2,2-Tetrachloroethane	102		101		70-130	1		20
Benzene	100		94		70-130	6		20
Toluene	98		93		70-130	5		20
Ethylbenzene	101		95		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG670735-1 WG670735-2								
Chloromethane	93		86		70-130	8		20
Bromomethane	130		120		70-130	8		20
Vinyl chloride	100		92		70-130	8		20
Chloroethane	106		101		70-130	5		20
1,1-Dichloroethene	104		92		70-130	12		20
trans-1,2-Dichloroethene	102		94		70-130	8		20
Trichloroethene	101		95		70-130	6		20
1,2-Dichlorobenzene	104		101		70-130	3		20
1,3-Dichlorobenzene	105		101		70-130	4		20
1,4-Dichlorobenzene	107		103		70-130	4		20
Methyl tert butyl ether	94		94		70-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	99		96		70-130	3		20
cis-1,2-Dichloroethene	100		95		70-130	5		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	104		102		70-130	2		20
Styrene	100		97		70-130	3		20
Dichlorodifluoromethane	98		89		70-130	10		20
Acetone	100		96		70-130	4		20
Carbon disulfide	97		88		70-130	10		20
2-Butanone	93		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG670735-1 WG670735-2								
4-Methyl-2-pentanone	94		94		70-130	0		20
2-Hexanone	81		81		70-130	0		20
Bromochloromethane	102		99		70-130	3		20
Tetrahydrofuran	88		88		70-130	0		20
2,2-Dichloropropane	98		90		70-130	9		20
1,2-Dibromoethane	99		98		70-130	1		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	99		96		70-130	3		20
Bromobenzene	99		96		70-130	3		20
n-Butylbenzene	115		107		70-130	7		20
sec-Butylbenzene	107		99		70-130	8		20
tert-Butylbenzene	103		96		70-130	7		20
o-Chlorotoluene	107		101		70-130	6		20
p-Chlorotoluene	106		101		70-130	5		20
1,2-Dibromo-3-chloropropane	96		94		70-130	2		20
Hexachlorobutadiene	97		93		70-130	4		20
Isopropylbenzene	102		95		70-130	7		20
p-Isopropyltoluene	107		100		70-130	7		20
Naphthalene	97		98		70-130	1		20
n-Propylbenzene	105		99		70-130	6		20
1,2,3-Trichlorobenzene	100		99		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG670735-1 WG670735-2								
1,2,4-Trichlorobenzene	107		104		70-130	3		20
1,3,5-Trimethylbenzene	104		98		70-130	6		20
1,2,4-Trimethylbenzene	105		100		70-130	5		20
Ethyl ether	100		99		70-130	1		20
Isopropyl Ether	96		94		70-130	2		20
Ethyl-Tert-Butyl-Ether	96		93		70-130	3		20
Tertiary-Amyl Methyl Ether	93		92		70-130	1		20
1,4-Dioxane	100		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	102		101		70-130

PCBS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-03
Client ID: MW16S(9-11)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082
Analytical Date: 02/14/14 20:17
Analyst: JW
Percent Solids: 82%

Date Collected: 02/10/14 09:30
Date Received: 02/10/14
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/12/14 08:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	24.0	--	1	A
Aroclor 1221	ND		ug/kg	24.0	--	1	A
Aroclor 1232	ND		ug/kg	24.0	--	1	A
Aroclor 1242	ND		ug/kg	24.0	--	1	A
Aroclor 1248	ND		ug/kg	16.0	--	1	A
Aroclor 1254	ND		ug/kg	24.0	--	1	A
Aroclor 1260	ND		ug/kg	16.0	--	1	A
Aroclor 1262	ND		ug/kg	8.00	--	1	A
Aroclor 1268	ND		ug/kg	8.00	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-05
Client ID: MW19D(4-6)
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8082
Analytical Date: 02/14/14 20:30
Analyst: JW
Percent Solids: 93%

Date Collected: 02/10/14 11:30
Date Received: 02/10/14
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/12/14 08:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.5	--	1	A
Aroclor 1221	ND		ug/kg	20.5	--	1	A
Aroclor 1232	ND		ug/kg	20.5	--	1	A
Aroclor 1242	ND		ug/kg	20.5	--	1	A
Aroclor 1248	ND		ug/kg	13.7	--	1	A
Aroclor 1254	ND		ug/kg	20.5	--	1	A
Aroclor 1260	ND		ug/kg	13.7	--	1	A
Aroclor 1262	ND		ug/kg	6.85	--	1	A
Aroclor 1268	ND		ug/kg	6.85	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
 Analytical Date: 02/14/14 21:10
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 02/12/14 08:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/14/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 03,05 Batch: WG669973-1						
Aroclor 1016	ND		ug/kg	19.4	--	A
Aroclor 1221	ND		ug/kg	19.4	--	A
Aroclor 1232	ND		ug/kg	19.4	--	A
Aroclor 1242	ND		ug/kg	19.4	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.4	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.48	--	A
Aroclor 1268	ND		ug/kg	6.48	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	92		30-150	B

Matrix Spike Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG669973-4 WG669973-5 QC Sample: L1403250-01 Client ID: MS Sample													
Aroclor 1016	ND	246	284	116		303	122		40-140	6		30	A
Aroclor 1260	ND	246	193	79		203	82		40-140	5		30	A

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>	<i>Column</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>		
2,4,5,6-Tetrachloro-m-xylene	82		87		30-150	A
Decachlorobiphenyl	75		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		82		30-150	B
Decachlorobiphenyl	88		90		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 03,05 Batch: WG669973-2 WG669973-3									
Aroclor 1016	87		85		40-140	2		30	A
Aroclor 1260	86		82		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		85		30-150	A
Decachlorobiphenyl	82		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		81		30-150	B
Decachlorobiphenyl	93		85		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**SAMPLE RESULTS**

Lab ID: L1403180-03
Client ID: MW16S(9-11)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/10/14 09:30
Date Received: 02/10/14
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	82.4		%	0.100	NA	1	-	02/11/14 00:10	30,2540G	RT



Project Name: AEROVOX GEOPROBE

Lab Number: L1403180

Project Number: 39744051.20001

Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403180-05
 Client ID: MW19D(4-6)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/10/14 11:30
 Date Received: 02/10/14
 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	92.8		%	0.100	NA	1	-	02/11/14 00:10	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX GEOPROBE

Project Number: 39744051.20001

Lab Number: L1403180

Report Date: 02/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG669665-1 QC Sample: L1403122-01 Client ID: DUP Sample						
Solids, Total	96.6	96.9	%	0		20

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/10/2014 23:24

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403180-01A	Vial MeOH preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-01B	Vial water preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-01C	Vial water preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-02A	Vial MeOH preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-02B	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-02C	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-02D	Amber 120ml unpreserved	A	N/A	4.4	Y	Absent	HOLD()
L1403180-03A	Vial MeOH preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-03B	Vial water preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-03C	Vial water preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-03D	Amber 120ml unpreserved	A	N/A	4.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403180-04A	Vial MeOH preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-04B	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-04C	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-04D	Amber 120ml unpreserved	A	N/A	4.4	Y	Absent	HOLD()
L1403180-05A	Vial MeOH preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-05B	Vial water preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-05C	Vial water preserved	A	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403180-05D	Amber 120ml unpreserved	A	N/A	4.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403180-06A	Vial MeOH preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-06B	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-06C	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-06D	Amber 120ml unpreserved	A	N/A	4.4	Y	Absent	HOLD()
L1403180-07A	Vial MeOH preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-07B	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-07C	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX GEOPROBE**Lab Number:** L1403180**Project Number:** 39744051.20001**Report Date:** 02/18/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403180-07D	Amber 120ml unpreserved	A	N/A	4.4	Y	Absent	HOLD()
L1403180-08A	Vial MeOH preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-08B	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-08C	Vial water preserved	A	N/A	4.4	Y	Absent	HOLD(0)
L1403180-08D	Amber 120ml unpreserved	A	N/A	4.4	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

Data Qualifiers

- 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.

Project Name: AEROVOX GEOPROBE
Project Number: 39744051.20001

Lab Number: L1403180
Report Date: 02/18/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 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 VIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 2/10/14

ALPHA Job #: L1403180

Project Information

Project Name: Aerovox
Project Location: New Bedford, MA
Project #: 39744051.20001
Project Manager: J. Leclair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: 2/17/14

Additional Project Information:

CVOC ONLY

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8280 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<u>Total Solids (from PCB bottle)</u>	SAMPLE INFO	TOTAL # BOTTLES
									Filtration	
									<input type="checkbox"/> Field	
									<input type="checkbox"/> Lab to do	
									Preservation	
									<input type="checkbox"/> Lab to do	
									Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials												
		Date	Time														
03180.01	TB-04	2.10.14	0900	TB												RUN	3
.02	MW 16S (5-7)	2.10.14	0910	S	JKH											HOLD	4
.03	MW 16S (9-11)	2.10.14	0930	S	JKH											RUN	4
.04	MW 16S (11-13)	2.10.14	0940	S	JKH											HOLD	4
.05	MW 19D (4-6)	2.10.14	1130	S	JKH											RUN	4
.06	MW 19D (16-18)	2.10.14	1230	S	JKH											HOLD	4
.07	MW 19D (20-22)	2.10.14	1245	S	JKH											HOLD	4
.08	MW 19D (22-24)	2.10.14	1310	S	JKH											HOLD	4

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O3
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	V								G
Preservative	O								A

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>2/10/14 1633</u>	<u>[Signature]</u>	<u>2/10/14 1635</u>
	<u>2/10/14 18:00</u>	<u>[Signature]</u>	<u>2/10/14 18:00</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1403250
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	02/18/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403250-01	MW-10D (16-18)	NEW BEDFORD, MA	02/11/14 10:00
L1403250-02	TB-05	NEW BEDFORD, MA	02/11/14 00:00
L1403250-03	MW-10D (24-26)	NEW BEDFORD, MA	02/11/14 11:00
L1403250-04	MW-10D (30-32)	NEW BEDFORD, MA	02/11/14 11:45
L1403250-05	MW-10D (36-37)	NEW BEDFORD, MA	02/11/14 12:45
L1403250-06	MW-10D (26-28)	NEW BEDFORD, MA	02/11/14 11:10

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L1403250-06: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:


The WG670808-4 MS recoveries, performed on L1403250-01, are above the acceptance criteria for vinyl chloride (131%), 1,3-dichlorobenzene (136%) and cis-1,2-dichloroethene (160%); however, the associated LCS/LCSD recoveries are within overall method allowances. The results of the sample utilized for the MS/MSD are considered to have a potentially high bias for these compounds. In addition, the MS/MSD RPD is above the acceptance criteria for cis-1,2-dichloroethene (45%).

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 02/18/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-01
 Client ID: MW-10D (16-18)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/16/14 11:44
 Analyst: BN
 Percent Solids: 81%

Date Collected: 02/11/14 10:00
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.66	--	1
1,2-Dichloropropane	ND		ug/kg	2.3	--	1
Dibromochloromethane	ND		ug/kg	0.66	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.66	--	1
Chlorobenzene	ND		ug/kg	0.66	--	1
1,2-Dichloroethane	ND		ug/kg	0.66	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	--	1
Bromodichloromethane	ND		ug/kg	0.66	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.66	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Vinyl chloride	4.1		ug/kg	1.3	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.66	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Trichloroethene	ND		ug/kg	0.66	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,3-Dichlorobenzene	3.6		ug/kg	2.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	--	1
cis-1,2-Dichloroethene	5.6		ug/kg	0.66	--	1
Dichlorodifluoromethane	ND		ug/kg	6.6	--	1
1,2-Dibromoethane	ND		ug/kg	2.6	--	1
1,3-Dichloropropane	ND		ug/kg	2.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	--	1
o-Chlorotoluene	ND		ug/kg	2.6	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-01
 Client ID: MW-10D (16-18)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/11/14 10:00
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-02
Client ID: TB-05
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/16/14 13:08
Analyst: BN
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/11/14 00:00
Date Received: 02/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
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
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	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
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	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
o-Chlorotoluene	ND		ug/kg	4.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-02
 Client ID: TB-05
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/11/14 00:00
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-02
Client ID: TB-05
Sample Location: NEW BEDFORD, MA
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/17/14 15:46
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/11/14 00:00
Date Received: 02/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-02
 Client ID: TB-05
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/11/14 00:00
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-06
 Client ID: MW-10D (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/16/14 18:20
 Analyst: BN
 Percent Solids: 77%

Date Collected: 02/11/14 11:10
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	900	--	1
1,1-Dichloroethane	ND		ug/kg	130	--	1
Chloroform	ND		ug/kg	130	--	1
Carbon tetrachloride	ND		ug/kg	90	--	1
1,2-Dichloropropane	ND		ug/kg	310	--	1
Dibromochloromethane	ND		ug/kg	90	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	90	--	1
Chlorobenzene	ND		ug/kg	90	--	1
1,2-Dichloroethane	ND		ug/kg	90	--	1
1,1,1-Trichloroethane	ND		ug/kg	90	--	1
Bromodichloromethane	ND		ug/kg	90	--	1
trans-1,3-Dichloropropene	ND		ug/kg	90	--	1
cis-1,3-Dichloropropene	ND		ug/kg	90	--	1
Bromoform	ND		ug/kg	360	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	90	--	1
Chloromethane	ND		ug/kg	360	--	1
Vinyl chloride	ND		ug/kg	180	--	1
Chloroethane	ND		ug/kg	180	--	1
1,1-Dichloroethene	ND		ug/kg	90	--	1
trans-1,2-Dichloroethene	ND		ug/kg	130	--	1
Trichloroethene	6200		ug/kg	90	--	1
1,2-Dichlorobenzene	ND		ug/kg	360	--	1
1,3-Dichlorobenzene	ND		ug/kg	360	--	1
1,4-Dichlorobenzene	ND		ug/kg	360	--	1
cis-1,2-Dichloroethene	ND		ug/kg	90	--	1
Dichlorodifluoromethane	ND		ug/kg	900	--	1
1,2-Dibromoethane	ND		ug/kg	360	--	1
1,3-Dichloropropane	ND		ug/kg	360	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	90	--	1
o-Chlorotoluene	ND		ug/kg	360	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-06
 Client ID: MW-10D (26-28)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/11/14 11:10
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	360	--	1
Hexachlorobutadiene	ND		ug/kg	360	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/16/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 06 Batch: WG670735-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/16/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 06 Batch: WG670735-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/16/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 06 Batch: WG670735-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/16/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG670808-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/16/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG670808-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 02/16/14 08:54
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG670808-3					
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	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 02/17/14 08:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG670976-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/17/14 08:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG670976-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 02/17/14 08:41
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG670976-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG670735-1 WG670735-2								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	102		95		70-130	7		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	104		96		70-130	8		20
1,2-Dichloropropane	102		99		70-130	3		20
Dibromochloromethane	97		97		70-130	0		20
1,1,2-Trichloroethane	102		101		70-130	1		20
Tetrachloroethene	100		94		70-130	6		20
Chlorobenzene	101		98		70-130	3		20
Trichlorofluoromethane	114		104		70-130	9		20
1,2-Dichloroethane	102		99		70-130	3		20
1,1,1-Trichloroethane	101		91		70-130	10		20
Bromodichloromethane	100		97		70-130	3		20
trans-1,3-Dichloropropene	99		97		70-130	2		20
cis-1,3-Dichloropropene	100		96		70-130	4		20
1,1-Dichloropropene	103		95		70-130	8		20
Bromoform	93		91		70-130	2		20
1,1,2,2-Tetrachloroethane	102		101		70-130	1		20
Benzene	100		94		70-130	6		20
Toluene	98		93		70-130	5		20
Ethylbenzene	101		95		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG670735-1 WG670735-2								
Chloromethane	93		86		70-130	8		20
Bromomethane	130		120		70-130	8		20
Vinyl chloride	100		92		70-130	8		20
Chloroethane	106		101		70-130	5		20
1,1-Dichloroethene	104		92		70-130	12		20
trans-1,2-Dichloroethene	102		94		70-130	8		20
Trichloroethene	101		95		70-130	6		20
1,2-Dichlorobenzene	104		101		70-130	3		20
1,3-Dichlorobenzene	105		101		70-130	4		20
1,4-Dichlorobenzene	107		103		70-130	4		20
Methyl tert butyl ether	94		94		70-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	99		96		70-130	3		20
cis-1,2-Dichloroethene	100		95		70-130	5		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	104		102		70-130	2		20
Styrene	100		97		70-130	3		20
Dichlorodifluoromethane	98		89		70-130	10		20
Acetone	100		96		70-130	4		20
Carbon disulfide	97		88		70-130	10		20
Methyl ethyl ketone	93		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG670735-1 WG670735-2								
Methyl isobutyl ketone	94		94		70-130	0		20
2-Hexanone	81		81		70-130	0		20
Bromochloromethane	102		99		70-130	3		20
Tetrahydrofuran	88		88		70-130	0		20
2,2-Dichloropropane	98		90		70-130	9		20
1,2-Dibromoethane	99		98		70-130	1		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	99		96		70-130	3		20
Bromobenzene	99		96		70-130	3		20
n-Butylbenzene	115		107		70-130	7		20
sec-Butylbenzene	107		99		70-130	8		20
tert-Butylbenzene	103		96		70-130	7		20
o-Chlorotoluene	107		101		70-130	6		20
p-Chlorotoluene	106		101		70-130	5		20
1,2-Dibromo-3-chloropropane	96		94		70-130	2		20
Hexachlorobutadiene	97		93		70-130	4		20
Isopropylbenzene	102		95		70-130	7		20
p-Isopropyltoluene	107		100		70-130	7		20
Naphthalene	97		98		70-130	1		20
n-Propylbenzene	105		99		70-130	6		20
1,2,3-Trichlorobenzene	100		99		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG670735-1 WG670735-2								
1,2,4-Trichlorobenzene	107		104		70-130	3		20
1,3,5-Trimethylbenzene	104		98		70-130	6		20
1,2,4-Trimethylbenzene	105		100		70-130	5		20
Diethyl ether	100		99		70-130	1		20
Diisopropyl Ether	96		94		70-130	2		20
Ethyl-Tert-Butyl-Ether	96		93		70-130	3		20
Tertiary-Amyl Methyl Ether	93		92		70-130	1		20
1,4-Dioxane	100		95		70-130	5		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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: WG670808-1 WG670808-2								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	102		95		70-130	7		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	104		96		70-130	8		20
1,2-Dichloropropane	102		99		70-130	3		20
Dibromochloromethane	97		97		70-130	0		20
1,1,2-Trichloroethane	102		101		70-130	1		20
Tetrachloroethene	100		94		70-130	6		20
Chlorobenzene	101		98		70-130	3		20
Trichlorofluoromethane	114		104		70-130	9		20
1,2-Dichloroethane	102		99		70-130	3		20
1,1,1-Trichloroethane	101		91		70-130	10		20
Bromodichloromethane	100		97		70-130	3		20
trans-1,3-Dichloropropene	99		97		70-130	2		20
cis-1,3-Dichloropropene	100		96		70-130	4		20
1,1-Dichloropropene	103		95		70-130	8		20
Bromoform	93		91		70-130	2		20
1,1,2,2-Tetrachloroethane	102		101		70-130	1		20
Benzene	100		94		70-130	6		20
Toluene	98		93		70-130	5		20
Ethylbenzene	101		95		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG670808-1 WG670808-2								
Chloromethane	93		86		70-130	8		20
Bromomethane	130		120		70-130	8		20
Vinyl chloride	100		92		70-130	8		20
Chloroethane	106		101		70-130	5		20
1,1-Dichloroethene	104		92		70-130	12		20
trans-1,2-Dichloroethene	102		94		70-130	8		20
Trichloroethene	101		95		70-130	6		20
1,2-Dichlorobenzene	104		101		70-130	3		20
1,3-Dichlorobenzene	105		101		70-130	4		20
1,4-Dichlorobenzene	107		103		70-130	4		20
Methyl tert butyl ether	94		94		70-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	99		96		70-130	3		20
cis-1,2-Dichloroethene	100		95		70-130	5		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	104		102		70-130	2		20
Styrene	100		97		70-130	3		20
Dichlorodifluoromethane	98		89		70-130	10		20
Acetone	100		96		70-130	4		20
Carbon disulfide	97		88		70-130	10		20
Methyl ethyl ketone	93		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG670808-1 WG670808-2								
Methyl isobutyl ketone	94		94		70-130	0		20
2-Hexanone	81		81		70-130	0		20
Bromochloromethane	102		99		70-130	3		20
Tetrahydrofuran	88		88		70-130	0		20
2,2-Dichloropropane	98		90		70-130	9		20
1,2-Dibromoethane	99		98		70-130	1		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	99		96		70-130	3		20
Bromobenzene	99		96		70-130	3		20
n-Butylbenzene	115		107		70-130	7		20
sec-Butylbenzene	107		99		70-130	8		20
tert-Butylbenzene	103		96		70-130	7		20
o-Chlorotoluene	107		101		70-130	6		20
p-Chlorotoluene	106		101		70-130	5		20
1,2-Dibromo-3-chloropropane	96		94		70-130	2		20
Hexachlorobutadiene	97		93		70-130	4		20
Isopropylbenzene	102		95		70-130	7		20
p-Isopropyltoluene	107		100		70-130	7		20
Naphthalene	97		98		70-130	1		20
n-Propylbenzene	105		99		70-130	6		20
1,2,3-Trichlorobenzene	100		99		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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: WG670808-1 WG670808-2								
1,2,4-Trichlorobenzene	107		104		70-130	3		20
1,3,5-Trimethylbenzene	104		98		70-130	6		20
1,2,4-Trimethylbenzene	105		100		70-130	5		20
Diethyl ether	100		99		70-130	1		20
Diisopropyl Ether	96		94		70-130	2		20
Ethyl-Tert-Butyl-Ether	96		93		70-130	3		20
Tertiary-Amyl Methyl Ether	93		92		70-130	1		20
1,4-Dioxane	100		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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: WG670976-1 WG670976-2								
Methylene chloride	101		104		70-130	3		20
1,1-Dichloroethane	104		109		70-130	5		20
Chloroform	104		106		70-130	2		20
Carbon tetrachloride	105		111		70-130	6		20
1,2-Dichloropropane	104		108		70-130	4		20
Dibromochloromethane	96		99		70-130	3		20
1,1,2-Trichloroethane	104		105		70-130	1		20
Tetrachloroethene	100		105		70-130	5		20
Chlorobenzene	101		107		70-130	6		20
Trichlorofluoromethane	109		116		70-130	6		20
1,2-Dichloroethane	105		105		70-130	0		20
1,1,1-Trichloroethane	102		108		70-130	6		20
Bromodichloromethane	102		105		70-130	3		20
trans-1,3-Dichloropropene	99		103		70-130	4		20
cis-1,3-Dichloropropene	101		103		70-130	2		20
1,1-Dichloropropene	107		112		70-130	5		20
Bromoform	90		93		70-130	3		20
1,1,2,2-Tetrachloroethane	104		104		70-130	0		20
Benzene	102		108		70-130	6		20
Toluene	100		105		70-130	5		20
Ethylbenzene	101		108		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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: WG670976-1 WG670976-2								
Chloromethane	97		100		70-130	3		20
Bromomethane	133	Q	134	Q	70-130	1		20
Vinyl chloride	102		109		70-130	7		20
Chloroethane	109		115		70-130	5		20
1,1-Dichloroethene	103		114		70-130	10		20
trans-1,2-Dichloroethene	104		109		70-130	5		20
Trichloroethene	104		108		70-130	4		20
1,2-Dichlorobenzene	102		107		70-130	5		20
1,3-Dichlorobenzene	104		109		70-130	5		20
1,4-Dichlorobenzene	106		112		70-130	6		20
Methyl tert butyl ether	96		97		70-130	1		20
p/m-Xylene	101		108		70-130	7		20
o-Xylene	100		106		70-130	6		20
cis-1,2-Dichloroethene	103		107		70-130	4		20
Dibromomethane	104		106		70-130	2		20
1,2,3-Trichloropropane	106		106		70-130	0		20
Styrene	100		106		70-130	6		20
Dichlorodifluoromethane	96		102		70-130	6		20
Acetone	114		101		70-130	12		20
Carbon disulfide	99		104		70-130	5		20
Methyl ethyl ketone	106		102		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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: WG670976-1 WG670976-2								
Methyl isobutyl ketone	96		97		70-130	1		20
2-Hexanone	84		83		70-130	1		20
Bromochloromethane	103		105		70-130	2		20
Tetrahydrofuran	95		89		70-130	7		20
2,2-Dichloropropane	100		104		70-130	4		20
1,2-Dibromoethane	101		101		70-130	0		20
1,3-Dichloropropane	102		103		70-130	1		20
1,1,1,2-Tetrachloroethane	97		102		70-130	5		20
Bromobenzene	98		101		70-130	3		20
n-Butylbenzene	115		124		70-130	8		20
sec-Butylbenzene	106		114		70-130	7		20
tert-Butylbenzene	102		108		70-130	6		20
o-Chlorotoluene	82		113		70-130	32	Q	20
p-Chlorotoluene	105		113		70-130	7		20
1,2-Dibromo-3-chloropropane	94		95		70-130	1		20
Hexachlorobutadiene	98		106		70-130	8		20
Isopropylbenzene	100		108		70-130	8		20
p-Isopropyltoluene	106		115		70-130	8		20
Naphthalene	98		101		70-130	3		20
n-Propylbenzene	105		113		70-130	7		20
1,2,3-Trichlorobenzene	97		103		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG670976-1 WG670976-2								
1,2,4-Trichlorobenzene	104		110		70-130	6		20
1,3,5-Trimethylbenzene	104		112		70-130	7		20
1,2,4-Trimethylbenzene	104		112		70-130	7		20
Diethyl ether	102		101		70-130	1		20
Diisopropyl Ether	98		101		70-130	3		20
Ethyl-Tert-Butyl-Ether	96		99		70-130	3		20
Tertiary-Amyl Methyl Ether	93		96		70-130	3		20
1,4-Dioxane	100		91		70-130	9		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	105		102		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	103		101		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG670808-4 WG670808-5 QC Sample: L1403250-01 Client ID: MW-10D (16-18)												
Methylene chloride	ND	24.7	24	96		23	93		70-130	3		30
1,1-Dichloroethane	ND	24.7	26	103		24	97		70-130	6		30
Chloroform	ND	24.7	26	104		24	96		70-130	8		30
Carbon tetrachloride	ND	24.7	28	112		26	106		70-130	6		30
1,2-Dichloropropane	ND	24.7	25	100		23	93		70-130	8		30
Dibromochloromethane	ND	24.7	22	87		20	82		70-130	7		30
1,1,2-Trichloroethane	ND	24.7	23	92		22	88		70-130	4		30
Tetrachloroethene	ND	24.7	26	104		24	97		70-130	7		30
Chlorobenzene	ND	24.7	25	100		23	92		70-130	9		30
1,2-Dichloroethane	ND	24.7	23	94		22	88		70-130	6		30
1,1,1-Trichloroethane	ND	24.7	27	107		25	101		70-130	6		30
Bromodichloromethane	ND	24.7	24	98		22	90		70-130	9		30
trans-1,3-Dichloropropene	ND	24.7	22	87		20	81		70-130	8		30
cis-1,3-Dichloropropene	ND	24.7	23	93		21	86		70-130	8		30
Bromoform	ND	24.7	20	79		19	77		70-130	3		30
1,1,2,2-Tetrachloroethane	ND	24.7	21	86		21	84		70-130	2		30
Chloromethane	ND	24.7	23	94		22	90		70-130	5		30
Vinyl chloride	4.1	24.7	37	131	Q	28	97		70-130	26		30
Chloroethane	ND	24.7	27	110		27	109		70-130	1		30
1,1-Dichloroethene	ND	24.7	27	108		26	103		70-130	5		30
trans-1,2-Dichloroethene	ND	24.7	26	106		24	99		70-130	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG670808-4 WG670808-5 QC Sample: L1403250-01 Client ID: MW-10D (16-18)												
Trichloroethene	ND	24.7	27	108		25	100		70-130	7		30
1,2-Dichlorobenzene	ND	24.7	24	99		22	88		70-130	11		30
1,3-Dichlorobenzene	3.6	24.7	37	136	Q	28	98		70-130	28		30
1,4-Dichlorobenzene	ND	24.7	29	116		24	98		70-130	17		30
cis-1,2-Dichloroethene	5.6	24.7	45	160	Q	29	93		70-130	45	Q	30
Dichlorodifluoromethane	ND	24.7	26	106		25	102		70-130	4		30
1,2-Dibromoethane	ND	24.7	21	86		20	82		70-130	5		30
1,3-Dichloropropane	ND	24.7	22	89		21	85		70-130	5		30
1,1,1,2-Tetrachloroethane	ND	24.7	23	95		22	87		70-130	8		30
o-Chlorotoluene	ND	24.7	27	107		24	97		70-130	10		30
p-Chlorotoluene	ND	24.7	26	104		23	94		70-130	10		30
Hexachlorobutadiene	ND	24.7	24	96		20	82		70-130	16		30
1,2,4-Trichlorobenzene	ND	24.7	25	102		21	85		70-130	18		30

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichloroethane-d4	98		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	103		104		70-130
Toluene-d8	98		99		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-01
 Client ID: MW-10D (16-18)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/14/14 20:43
 Analyst: JW
 Percent Solids: 81%

Date Collected: 02/11/14 10:00
 Date Received: 02/11/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/12/14 08:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/14/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.8	--	1	A
Aroclor 1221	ND		ug/kg	23.8	--	1	A
Aroclor 1232	161		ug/kg	23.8	--	1	A
Aroclor 1242	ND		ug/kg	23.8	--	1	A
Aroclor 1248	ND		ug/kg	15.8	--	1	A
Aroclor 1254	ND		ug/kg	23.8	--	1	A
Aroclor 1260	ND		ug/kg	15.8	--	1	A
Aroclor 1262	ND		ug/kg	7.92	--	1	A
Aroclor 1268	ND		ug/kg	7.92	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-06
 Client ID: MW-10D (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/14/14 20:56
 Analyst: JW
 Percent Solids: 77%

Date Collected: 02/11/14 11:10
 Date Received: 02/11/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/12/14 08:54
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/14/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	24.5	--	1	A
Aroclor 1221	ND		ug/kg	24.5	--	1	A
Aroclor 1232	147		ug/kg	24.5	--	1	A
Aroclor 1242	ND		ug/kg	24.5	--	1	A
Aroclor 1248	ND		ug/kg	16.3	--	1	A
Aroclor 1254	ND		ug/kg	24.5	--	1	A
Aroclor 1260	ND		ug/kg	16.3	--	1	A
Aroclor 1262	ND		ug/kg	8.17	--	1	A
Aroclor 1268	ND		ug/kg	8.17	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
Analytical Date: 02/14/14 21:10
Analyst: JW

Extraction Method: EPA 3540C
Extraction Date: 02/12/14 08:54
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/14/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,06 Batch: WG669973-1						
Aroclor 1016	ND		ug/kg	19.4	--	A
Aroclor 1221	ND		ug/kg	19.4	--	A
Aroclor 1232	ND		ug/kg	19.4	--	A
Aroclor 1242	ND		ug/kg	19.4	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.4	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.48	--	A
Aroclor 1268	ND		ug/kg	6.48	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	92		30-150	B

Matrix Spike Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,06 QC Batch ID: WG669973-4 WG669973-5 QC Sample: L1403250-01 Client ID: MW-10D (16-18)													
Aroclor 1016	ND	246	284	116		303	122		40-140	6		30	A
Aroclor 1260	ND	246	193	79		203	82		40-140	5		30	A

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>	<i>Column</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>		
2,4,5,6-Tetrachloro-m-xylene	82		87		30-150	A
Decachlorobiphenyl	75		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		82		30-150	B
Decachlorobiphenyl	88		90		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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: WG669973-2 WG669973-3									
Aroclor 1016	87		85		40-140	2		30	A
Aroclor 1260	86		82		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		85		30-150	A
Decachlorobiphenyl	82		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		81		30-150	B
Decachlorobiphenyl	93		85		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-01
Client ID: MW-10D (16-18)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/11/14 10:00
Date Received: 02/11/14
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	80.9		%	0.100	NA	1	-	02/11/14 20:52	30,2540G	RT



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

SAMPLE RESULTS

Lab ID: L1403250-06
Client ID: MW-10D (26-28)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/11/14 11:10
Date Received: 02/11/14
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	76.8		%	0.100	NA	1	-	02/11/14 20:52	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,06 QC Batch ID: WG669907-1 QC Sample: L1403216-01 Client ID: DUP Sample						
Solids, Total	54.7	53.0	%	3		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/11/2014 18:44

Cooler Information Custody Seal Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403250-01A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01A1	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01A2	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01B1	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01B2	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01C1	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01C2	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-01D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403250-01D1	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403250-01D2	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403250-02A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403250-02B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403250-02C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403250-03A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403250-03B	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403250-03C	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403250-03D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	HOLD()
L1403250-04A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403250-04B	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403250-04C	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403250-04D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	HOLD()
L1403250-05A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403250-05B	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403250-05C	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403250-05D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	HOLD()
L1403250-06A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-06B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-06C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403250-06D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403250
Report Date: 02/18/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 2/11/14

ALPHA Job #: L1403250

Project Information

Project Name: *Aerovox*
Project Location: *New Bedford, MA*

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: *URS Corporation*
Address: *1155 Elm, Suite 407
Manchester, NH 03101*
Phone: *603 666 4800*
Email: *John.veclair@urs.com*

Project #: *39744051.20001*
Project Manager: *Judy Leclair/M. Wade*
ALPHA Quote #:

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: *2/18/14*

Additional Project Information:

CVOC's List

mg 2/12/14 Proj NO: provided by Jeff Harshman

ANALYSIS	VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> RCR48 <input type="checkbox"/> PPT3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL Solids	SAMPLE INFO
									Filtration
									<input type="checkbox"/> Field
									<input type="checkbox"/> Lab to do
									Preservation
									<input type="checkbox"/> Lab to do
									Sample Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials									
		Date	Time											
02250-01	MW-10D (16-18)	2/11/14	1000	Soil	JAC	X				X	X			Run
01	MW-10D (16-18) MS													Run
01	MW-10D (16-18) MSD													Run
02	TB-05	1/29/14	0800		JW									Run
03	MW-10D (24-26)	2/11/14	1100	Soil	JAC					X	X			Hold
04	MW-10D (30-32)		1145											Hold
05	MW-10D (36-37)		1245											Hold
06	MW-10D (28-28)		1110											Run

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O8
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	0					A
Preservative	0					A

Relinquished By:	Date/Time	Received By:	Date/Time
<i>John Curran</i>	<i>2/11/14 1540</i>	<i>John Curran</i>	<i>2/11/14 1540</i>
<i>John Curran</i>	<i>2/11/14 1740</i>	<i>John Curran</i>	<i>2/11/14 1740</i>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox

Project Location: New Bedford, MA

Project #:

Project Manager: Judy Leclair / M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

ALPHA Job #: L1403250

Billing Information

Same as Client info PO #:

Client Information

Client: URS Corporation

Address: 1155 Elm, Suite 407
Manchester, NH 03101

Phone: 603 666 4800

Email: Judy.Leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 2/18/14

Additional Project Information:

CVOC's List

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: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SAMPLE INFO
	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15		<input type="checkbox"/> Field
METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPT3		<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		Preservation
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		<input type="checkbox"/> Lab to do
PCB <input type="checkbox"/> PEST		
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
TOTAL Solids		
		Sample Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials							
		Date	Time									
02250-01	MW-10D (16-18)	2/11/14	1000	Soil	JAC	X						Run
01	MW-10D (16-18) MS											Run
01	MW-10D (16-18) MSD											Run
02	TB-05	1/29/14	0800		JW							Run
03	MW-10D (24-26)	2/11/14	1100	Soil	JAC			X	X			Hold
04	MW-10D (30-32)		1145									Hold
05	MW-10D (36-37)		1245									Hold
06	MW-10D (28-28)		1110									Run

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O8
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	0	A
Preservative	0	A

Relinquished By:	Date/Time	Received By:	Date/Time
<u>Judy Leclair</u>	<u>2/11/14 1540</u>	<u>William McLeod</u>	<u>2/11/14 1740</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1403349
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	02/25/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403349-01	MW02B (4-6)	NEW BEDFORD, MA	02/12/14 13:00
L1403349-02	MW02B (6-8)	NEW BEDFORD, MA	02/12/14 13:10
L1403349-03	MW02B (10-12)	NEW BEDFORD, MA	02/12/14 14:00
L1403349-04	MW02B (8-10)	NEW BEDFORD, MA	02/12/14 13:50
L1403349-05	MW17D (20-22)	NEW BEDFORD, MA	02/12/14 14:46
L1403349-06	MW17D (22-24)	NEW BEDFORD, MA	02/12/14 14:50
L1403349-07	TB-06	NEW BEDFORD, MA	02/12/14 00:00

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

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?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L1403349-01, -05 and -07: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 02/25/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-01
 Client ID: MW02B (4-6)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/21/14 13:56
 Analyst: BN
 Percent Solids: 91%

Date Collected: 02/12/14 13:00
 Date Received: 02/12/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	550	--	1
1,1-Dichloroethane	ND		ug/kg	83	--	1
Chloroform	ND		ug/kg	83	--	1
Carbon tetrachloride	ND		ug/kg	55	--	1
1,2-Dichloropropane	ND		ug/kg	190	--	1
Dibromochloromethane	ND		ug/kg	55	--	1
1,1,2-Trichloroethane	ND		ug/kg	83	--	1
Tetrachloroethene	ND		ug/kg	55	--	1
Chlorobenzene	190		ug/kg	55	--	1
1,2-Dichloroethane	ND		ug/kg	55	--	1
1,1,1-Trichloroethane	ND		ug/kg	55	--	1
Bromodichloromethane	ND		ug/kg	55	--	1
trans-1,3-Dichloropropene	ND		ug/kg	55	--	1
cis-1,3-Dichloropropene	ND		ug/kg	55	--	1
Bromoform	ND		ug/kg	220	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	55	--	1
Chloromethane	ND		ug/kg	220	--	1
Vinyl chloride	ND		ug/kg	110	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	55	--	1
trans-1,2-Dichloroethene	ND		ug/kg	83	--	1
Trichloroethene	91		ug/kg	55	--	1
1,2-Dichlorobenzene	ND		ug/kg	220	--	1
1,3-Dichlorobenzene	ND		ug/kg	220	--	1
1,4-Dichlorobenzene	460		ug/kg	220	--	1
cis-1,2-Dichloroethene	130		ug/kg	55	--	1
Dichlorodifluoromethane	ND		ug/kg	550	--	1
1,2-Dibromoethane	ND		ug/kg	220	--	1
1,3-Dichloropropane	ND		ug/kg	220	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	55	--	1
o-Chlorotoluene	ND		ug/kg	220	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-01
 Client ID: MW02B (4-6)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/12/14 13:00
 Date Received: 02/12/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-05
 Client ID: MW17D (20-22)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/21/14 12:59
 Analyst: BN
 Percent Solids: 85%

Date Collected: 02/12/14 14:46
 Date Received: 02/12/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	590	--	1
1,1-Dichloroethane	ND		ug/kg	89	--	1
Chloroform	ND		ug/kg	89	--	1
Carbon tetrachloride	ND		ug/kg	59	--	1
1,2-Dichloropropane	ND		ug/kg	210	--	1
Dibromochloromethane	ND		ug/kg	59	--	1
1,1,2-Trichloroethane	ND		ug/kg	89	--	1
Tetrachloroethene	ND		ug/kg	59	--	1
Chlorobenzene	ND		ug/kg	59	--	1
1,2-Dichloroethane	ND		ug/kg	59	--	1
1,1,1-Trichloroethane	ND		ug/kg	59	--	1
Bromodichloromethane	ND		ug/kg	59	--	1
trans-1,3-Dichloropropene	ND		ug/kg	59	--	1
cis-1,3-Dichloropropene	ND		ug/kg	59	--	1
Bromoform	ND		ug/kg	240	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	59	--	1
Chloromethane	ND		ug/kg	240	--	1
Vinyl chloride	ND		ug/kg	120	--	1
Chloroethane	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	59	--	1
trans-1,2-Dichloroethene	ND		ug/kg	89	--	1
Trichloroethene	280		ug/kg	59	--	1
1,2-Dichlorobenzene	ND		ug/kg	240	--	1
1,3-Dichlorobenzene	ND		ug/kg	240	--	1
1,4-Dichlorobenzene	ND		ug/kg	240	--	1
cis-1,2-Dichloroethene	340		ug/kg	59	--	1
Dichlorodifluoromethane	ND		ug/kg	590	--	1
1,2-Dibromoethane	ND		ug/kg	240	--	1
1,3-Dichloropropane	ND		ug/kg	240	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	59	--	1
o-Chlorotoluene	ND		ug/kg	240	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-05
 Client ID: MW17D (20-22)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/12/14 14:46
 Date Received: 02/12/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	240	--	1
Hexachlorobutadiene	ND		ug/kg	240	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-07
 Client ID: TB-06
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/21/14 13:28
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/12/14 00:00
 Date Received: 02/12/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-07
 Client ID: TB-06
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/12/14 00:00
 Date Received: 02/12/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/21/14 09:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05,07 Batch: WG671798-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/21/14 09:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05,07 Batch: WG671798-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 02/21/14 09:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05,07 Batch: WG671798-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG671798-1 WG671798-2								
Methylene chloride	106		98		70-130	8		20
1,1-Dichloroethane	113		105		70-130	7		20
Chloroform	110		102		70-130	8		20
Carbon tetrachloride	113		107		70-130	5		20
1,2-Dichloropropane	111		102		70-130	8		20
Dibromochloromethane	98		91		70-130	7		20
1,1,2-Trichloroethane	102		96		70-130	6		20
Tetrachloroethene	104		97		70-130	7		20
Chlorobenzene	103		97		70-130	6		20
Trichlorofluoromethane	120		111		70-130	8		20
1,2-Dichloroethane	113		104		70-130	8		20
1,1,1-Trichloroethane	110		103		70-130	7		20
Bromodichloromethane	108		100		70-130	8		20
trans-1,3-Dichloropropene	102		94		70-130	8		20
cis-1,3-Dichloropropene	106		98		70-130	8		20
1,1-Dichloropropene	116		107		70-130	8		20
Bromoform	94		83		70-130	12		20
1,1,2,2-Tetrachloroethane	105		90		70-130	15		20
Benzene	109		102		70-130	7		20
Toluene	102		97		70-130	5		20
Ethylbenzene	105		99		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG671798-1 WG671798-2								
Chloromethane	105		98		70-130	7		20
Bromomethane	133	Q	127		70-130	5		20
Vinyl chloride	108		102		70-130	6		20
Chloroethane	114		105		70-130	8		20
1,1-Dichloroethene	112		104		70-130	7		20
trans-1,2-Dichloroethene	111		103		70-130	7		20
Trichloroethene	111		104		70-130	7		20
1,2-Dichlorobenzene	105		96		70-130	9		20
1,3-Dichlorobenzene	107		98		70-130	9		20
1,4-Dichlorobenzene	108		98		70-130	10		20
Methyl tert butyl ether	104		92		70-130	12		20
p/m-Xylene	104		98		70-130	6		20
o-Xylene	102		97		70-130	5		20
cis-1,2-Dichloroethene	108		100		70-130	8		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	107		92		70-130	15		20
Styrene	102		96		70-130	6		20
Dichlorodifluoromethane	104		98		70-130	6		20
Acetone	108		81		70-130	29	Q	20
Carbon disulfide	109		103		70-130	6		20
Methyl ethyl ketone	103		85		70-130	19		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG671798-1 WG671798-2								
Methyl isobutyl ketone	99		82		70-130	19		20
2-Hexanone	86		69	Q	70-130	22	Q	20
Bromochloromethane	106		98		70-130	8		20
Tetrahydrofuran	96		82		70-130	16		20
2,2-Dichloropropane	109		101		70-130	8		20
1,2-Dibromoethane	101		93		70-130	8		20
1,3-Dichloropropane	103		95		70-130	8		20
1,1,1,2-Tetrachloroethane	100		94		70-130	6		20
Bromobenzene	98		91		70-130	7		20
n-Butylbenzene	120		111		70-130	8		20
sec-Butylbenzene	110		102		70-130	8		20
tert-Butylbenzene	105		98		70-130	7		20
o-Chlorotoluene	110		103		70-130	7		20
p-Chlorotoluene	110		102		70-130	8		20
1,2-Dibromo-3-chloropropane	97		83		70-130	16		20
Hexachlorobutadiene	105		97		70-130	8		20
Isopropylbenzene	105		97		70-130	8		20
p-Isopropyltoluene	110		102		70-130	8		20
Naphthalene	100		87		70-130	14		20
n-Propylbenzene	110		102		70-130	8		20
1,2,3-Trichlorobenzene	104		94		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG671798-1 WG671798-2								
1,2,4-Trichlorobenzene	108		99		70-130	9		20
1,3,5-Trimethylbenzene	107		100		70-130	7		20
1,2,4-Trimethylbenzene	108		100		70-130	8		20
Diethyl ether	105		94		70-130	11		20
Diisopropyl Ether	105		98		70-130	7		20
Ethyl-Tert-Butyl-Ether	104		96		70-130	8		20
Tertiary-Amyl Methyl Ether	100		91		70-130	9		20
1,4-Dioxane	107		86		70-130	22	Q	20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	105		101		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	104		102		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-05 D
 Client ID: MW17D (20-22)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/24/14 21:13
 Analyst: JW
 Percent Solids: 85%

Date Collected: 02/12/14 14:46
 Date Received: 02/12/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/20/14 19:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	112	--	5	A
Aroclor 1221	ND		ug/kg	112	--	5	A
Aroclor 1232	ND		ug/kg	112	--	5	A
Aroclor 1242	ND		ug/kg	112	--	5	A
Aroclor 1248	ND		ug/kg	74.6	--	5	A
Aroclor 1254	1200		ug/kg	112	--	5	A
Aroclor 1260	ND		ug/kg	74.6	--	5	A
Aroclor 1262	ND		ug/kg	37.3	--	5	A
Aroclor 1268	ND		ug/kg	37.3	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
Analytical Date: 02/21/14 21:27
Analyst: JW

Extraction Method: EPA 3540C
Extraction Date: 02/20/14 19:45
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/21/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 05 Batch: WG671466-1						
Aroclor 1016	ND		ug/kg	19.9	--	A
Aroclor 1221	ND		ug/kg	19.9	--	A
Aroclor 1232	ND		ug/kg	19.9	--	A
Aroclor 1242	ND		ug/kg	19.9	--	A
Aroclor 1248	ND		ug/kg	13.3	--	A
Aroclor 1254	ND		ug/kg	19.9	--	A
Aroclor 1260	ND		ug/kg	13.3	--	A
Aroclor 1262	ND		ug/kg	6.63	--	A
Aroclor 1268	ND		ug/kg	6.63	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 05 Batch: WG671466-2 WG671466-3									
Aroclor 1016	98		109		40-140	11		30	A
Aroclor 1260	123		135		40-140	9		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		94		30-150	A
Decachlorobiphenyl	95		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		89		30-150	B
Decachlorobiphenyl	97		106		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-01
Client ID: MW02B (4-6)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/12/14 13:00
Date Received: 02/12/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	0.100	NA	1	-	02/20/14 16:37	30,2540G	SB



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403349-05
Client ID: MW17D (20-22)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/12/14 14:46
Date Received: 02/12/14
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	84.7		%	0.100	NA	1	-	02/20/14 16:37	30,2540G	SB



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,05 QC Batch ID: WG671451-1 QC Sample: L1403349-01 Client ID: MW02B (4-6)						
Solids, Total	90.5	85.0	%	6		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/12/2014 22:52

Cooler Information Custody Seal Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403349-01A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403349-01B	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403349-01C	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403349-01D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7)
L1403349-02A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-02B	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-02C	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-02D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1403349-03A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-03B	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-03C	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-03D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1403349-04A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-04B	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-04C	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-04D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1403349-05A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403349-05B	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403349-05C	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14)
L1403349-05D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403349-06A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-06B	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-06C	Vial water preserved	A	N/A	2.8	Y	Absent	HOLD-8260HLW(14)
L1403349-06D	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	HOLD()
L1403349-07A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14),TS100(0)
L1403349-07B	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14),TS100(0)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403349-07C	Vial water preserved	A	N/A	2.8	Y	Absent	MCP-8260HLW-10(14),TS100(0)

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403349
Report Date: 02/25/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/12/14

ALPHA Job #: L1403349

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Acrovox

Project Location: New Bedford MA

Project #: 39744051.20001

Project Manager: Judy Leclair / M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client Info PO #:

Client Information

Client: URS Corporation

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: 603-606-4800

Email: jleclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 2/19/14

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

Additional Project Information:

CVOC's list only

ANALYSIS	<input checked="" type="checkbox"/> SVOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	<input type="checkbox"/> METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	<input type="checkbox"/> METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> RCP 13	<input type="checkbox"/> VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	<input type="checkbox"/> TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Ranges Only	<u>Total Solids (from PCB)</u>	SAMPLE INFO
								Filtration	
								<input type="checkbox"/> Field	
								<input type="checkbox"/> Lab to do	
								Preservation	
								<input type="checkbox"/> Lab to do	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials							Sample Comments	TOTAL # BOTTLES
		Date	Time										
<u>03349/1</u>	<u>MW02 B (4-6)</u>	<u>2/12/14</u>	<u>1306</u>	<u>Soil</u>	<u>JAC</u>	<u>3</u>				<u>1</u>	<u>X</u>	<u>HOLD</u>	<u>4</u>
<u>2</u>	<u>MW02 B (6-8)</u>		<u>1310</u>			<u>3</u>				<u>1</u>	<u>X</u>	<u>HOLD</u>	<u>4</u>
<u>3</u>	<u>MW02 B (10-12)</u>		<u>1400</u>			<u>3</u>				<u>1</u>	<u>X</u>	<u>HOLD</u>	<u>4</u>
<u>4</u>	<u>MW02 B (8-10)</u>		<u>1350</u>			<u>3</u>				<u>1</u>	<u>X</u>	<u>HOLD</u>	<u>4</u>
<u>5</u>	<u>MW17D (20-22)</u>		<u>1446</u>		<u>JRH</u>	<u>3</u>				<u>1</u>	<u>X</u>	<u>HOLD</u>	<u>4</u>
<u>6</u>	<u>MW17D (22-24)</u>		<u>1450</u>		<u>JRH</u>	<u>3</u>				<u>1</u>	<u>X</u>	<u>HOLD</u>	<u>4</u>
<u>7</u>	<u>TB-06</u>		<u>0800</u>	<u>TB</u>		<u>3</u>						<u>HOLD</u>	<u>3</u>

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₄
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V

Preservative O

Relinquished By: [Signature] Date/Time: 2/12/14 1524

Received By: [Signature] Date/Time: 2/12/14 1745

2-12-14 [Signature] 2-12-14 [Signature] 2/12/14 19:50

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1403533
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	02/20/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403533-01	MW 2B (24-26)	NEW BEDFORD, MA	02/14/14 10:00
L1403533-02	MW 2B (26-28)	NEW BEDFORD, MA	02/14/14 10:10
L1403533-03	MW 2B (30-32)	NEW BEDFORD, MA	02/14/14 11:00
L1403533-04	TB-07	NEW BEDFORD, MA	02/14/14 08:00
L1403533-05	MW 17D (26-28)	NEW BEDFORD, MA	02/14/14 08:40
L1403533-06	MW 17D (28-30)	NEW BEDFORD, MA	02/14/14 10:15
L1403533-07	MW 17D (30-32)	NEW BEDFORD, MA	02/14/14 10:40
L1403533-08	MW 17D (32-34)	NEW BEDFORD, MA	02/14/14 11:00

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

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?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

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

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 02/20/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-01
 Client ID: MW 2B (24-26)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/18/14 17:20
 Analyst: MV
 Percent Solids: 89%

Date Collected: 02/14/14 10:00
 Date Received: 02/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	440	--	1
1,1-Dichloroethane	ND		ug/kg	66	--	1
Chloroform	ND		ug/kg	66	--	1
Carbon tetrachloride	ND		ug/kg	44	--	1
1,2-Dichloropropane	ND		ug/kg	150	--	1
Dibromochloromethane	ND		ug/kg	44	--	1
1,1,2-Trichloroethane	ND		ug/kg	66	--	1
Tetrachloroethene	ND		ug/kg	44	--	1
Chlorobenzene	ND		ug/kg	44	--	1
1,2-Dichloroethane	ND		ug/kg	44	--	1
1,1,1-Trichloroethane	ND		ug/kg	44	--	1
Bromodichloromethane	ND		ug/kg	44	--	1
trans-1,3-Dichloropropene	ND		ug/kg	44	--	1
cis-1,3-Dichloropropene	ND		ug/kg	44	--	1
Bromoform	ND		ug/kg	180	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	44	--	1
Chloromethane	ND		ug/kg	180	--	1
Vinyl chloride	ND		ug/kg	88	--	1
Chloroethane	ND		ug/kg	88	--	1
1,1-Dichloroethene	ND		ug/kg	44	--	1
trans-1,2-Dichloroethene	ND		ug/kg	66	--	1
Trichloroethene	760		ug/kg	44	--	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
cis-1,2-Dichloroethene	ND		ug/kg	44	--	1
Dichlorodifluoromethane	ND		ug/kg	440	--	1
1,2-Dibromoethane	ND		ug/kg	180	--	1
1,3-Dichloropropane	ND		ug/kg	180	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	44	--	1
o-Chlorotoluene	ND		ug/kg	180	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-01
 Client ID: MW 2B (24-26)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/14/14 10:00
 Date Received: 02/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	180	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-04
 Client ID: TB-07
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/18/14 17:49
 Analyst: MV
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/14/14 08:00
 Date Received: 02/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-04
 Client ID: TB-07
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/14/14 08:00
 Date Received: 02/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	93		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-05
 Client ID: MW 17D (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/18/14 18:17
 Analyst: MV
 Percent Solids: 83%

Date Collected: 02/14/14 08:40
 Date Received: 02/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	740	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	74	--	1
1,2-Dichloropropane	ND		ug/kg	260	--	1
Dibromochloromethane	ND		ug/kg	74	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	74	--	1
Chlorobenzene	ND		ug/kg	74	--	1
1,2-Dichloroethane	ND		ug/kg	74	--	1
1,1,1-Trichloroethane	ND		ug/kg	74	--	1
Bromodichloromethane	ND		ug/kg	74	--	1
trans-1,3-Dichloropropene	ND		ug/kg	74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	74	--	1
Bromoform	ND		ug/kg	300	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	74	--	1
Chloromethane	ND		ug/kg	300	--	1
Vinyl chloride	ND		ug/kg	150	--	1
Chloroethane	ND		ug/kg	150	--	1
1,1-Dichloroethene	ND		ug/kg	74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	3900		ug/kg	74	--	1
1,2-Dichlorobenzene	ND		ug/kg	300	--	1
1,3-Dichlorobenzene	ND		ug/kg	300	--	1
1,4-Dichlorobenzene	ND		ug/kg	300	--	1
cis-1,2-Dichloroethene	350		ug/kg	74	--	1
Dichlorodifluoromethane	ND		ug/kg	740	--	1
1,2-Dibromoethane	ND		ug/kg	300	--	1
1,3-Dichloropropane	ND		ug/kg	300	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	74	--	1
o-Chlorotoluene	ND		ug/kg	300	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-05
 Client ID: MW 17D (26-28)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/14/14 08:40
 Date Received: 02/14/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	300	--	1
Hexachlorobutadiene	ND		ug/kg	300	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/18/14 08:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04-05 Batch: WG671170-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/18/14 08:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04-05 Batch: WG671170-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 02/18/14 08:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04-05 Batch: WG671170-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04-05 Batch: WG671170-1 WG671170-2								
Methylene chloride	106		103		70-130	3		20
1,1-Dichloroethane	111		108		70-130	3		20
Chloroform	108		104		70-130	4		20
Carbon tetrachloride	112		108		70-130	4		20
1,2-Dichloropropane	110		106		70-130	4		20
Dibromochloromethane	97		93		70-130	4		20
1,1,2-Trichloroethane	105		100		70-130	5		20
Tetrachloroethene	102		97		70-130	5		20
Chlorobenzene	104		100		70-130	4		20
Trichlorofluoromethane	120		116		70-130	3		20
1,2-Dichloroethane	111		107		70-130	4		20
1,1,1-Trichloroethane	109		104		70-130	5		20
Bromodichloromethane	107		102		70-130	5		20
trans-1,3-Dichloropropene	101		96		70-130	5		20
cis-1,3-Dichloropropene	106		101		70-130	5		20
1,1-Dichloropropene	113		110		70-130	3		20
Bromoform	93		88		70-130	6		20
1,1,2,2-Tetrachloroethane	108		98		70-130	10		20
Benzene	109		105		70-130	4		20
Toluene	101		99		70-130	2		20
Ethylbenzene	104		101		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04-05 Batch: WG671170-1 WG671170-2								
Chloromethane	105		102		70-130	3		20
Bromomethane	139	Q	133	Q	70-130	4		20
Vinyl chloride	112		107		70-130	5		20
Chloroethane	119		114		70-130	4		20
1,1-Dichloroethene	110		105		70-130	5		20
trans-1,2-Dichloroethene	108		106		70-130	2		20
Trichloroethene	109		106		70-130	3		20
1,2-Dichlorobenzene	104		100		70-130	4		20
1,3-Dichlorobenzene	107		102		70-130	5		20
1,4-Dichlorobenzene	108		103		70-130	5		20
Methyl tert butyl ether	101		94		70-130	7		20
p/m-Xylene	104		101		70-130	3		20
o-Xylene	101		100		70-130	1		20
cis-1,2-Dichloroethene	106		102		70-130	4		20
Dibromomethane	109		101		70-130	8		20
1,2,3-Trichloropropane	109		101		70-130	8		20
Styrene	102		98		70-130	4		20
Dichlorodifluoromethane	111		107		70-130	4		20
Acetone	113		94		70-130	18		20
Carbon disulfide	107		102		70-130	5		20
Methyl ethyl ketone	109		96		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04-05 Batch: WG671170-1 WG671170-2								
Methyl isobutyl ketone	101		90		70-130	12		20
2-Hexanone	86		77		70-130	11		20
Bromochloromethane	106		102		70-130	4		20
Tetrahydrofuran	100		90		70-130	11		20
2,2-Dichloropropane	105		101		70-130	4		20
1,2-Dibromoethane	100		96		70-130	4		20
1,3-Dichloropropane	103		98		70-130	5		20
1,1,1,2-Tetrachloroethane	99		96		70-130	3		20
Bromobenzene	100		96		70-130	4		20
n-Butylbenzene	121		116		70-130	4		20
sec-Butylbenzene	111		107		70-130	4		20
tert-Butylbenzene	105		102		70-130	3		20
o-Chlorotoluene	112		107		70-130	5		20
p-Chlorotoluene	111		107		70-130	4		20
1,2-Dibromo-3-chloropropane	97		89		70-130	9		20
Hexachlorobutadiene	103		99		70-130	4		20
Isopropylbenzene	105		102		70-130	3		20
p-Isopropyltoluene	109		107		70-130	2		20
Naphthalene	103		94		70-130	9		20
n-Propylbenzene	111		108		70-130	3		20
1,2,3-Trichlorobenzene	102		96		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04-05 Batch: WG671170-1 WG671170-2								
1,2,4-Trichlorobenzene	109		103		70-130	6		20
1,3,5-Trimethylbenzene	108		104		70-130	4		20
1,2,4-Trimethylbenzene	108		105		70-130	3		20
Diethyl ether	106		102		70-130	4		20
Diisopropyl Ether	104		101		70-130	3		20
Ethyl-Tert-Butyl-Ether	102		97		70-130	5		20
Tertiary-Amyl Methyl Ether	98		92		70-130	6		20
1,4-Dioxane	104		94		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		103		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	104		100		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-05
 Client ID: MW 17D (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/16/14 17:54
 Analyst: JW
 Percent Solids: 83%

Date Collected: 02/14/14 08:40
 Date Received: 02/14/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/15/14 01:05
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/16/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.2	--	1	A
Aroclor 1221	ND		ug/kg	23.2	--	1	A
Aroclor 1232	ND		ug/kg	23.2	--	1	A
Aroclor 1242	36.3		ug/kg	23.2	--	1	A
Aroclor 1248	ND		ug/kg	15.5	--	1	A
Aroclor 1254	31.6		ug/kg	23.2	--	1	A
Aroclor 1260	ND		ug/kg	15.5	--	1	A
Aroclor 1262	ND		ug/kg	7.74	--	1	A
Aroclor 1268	ND		ug/kg	7.74	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
Analytical Date: 02/16/14 18:21
Analyst: JW

Extraction Method: EPA 3540C
Extraction Date: 02/15/14 01:05
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/16/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/16/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 05 Batch: WG670569-1						
Aroclor 1016	ND		ug/kg	19.6	--	A
Aroclor 1221	ND		ug/kg	19.6	--	A
Aroclor 1232	ND		ug/kg	19.6	--	A
Aroclor 1242	ND		ug/kg	19.6	--	A
Aroclor 1248	ND		ug/kg	13.1	--	A
Aroclor 1254	ND		ug/kg	19.6	--	A
Aroclor 1260	ND		ug/kg	13.1	--	A
Aroclor 1262	ND		ug/kg	6.55	--	A
Aroclor 1268	ND		ug/kg	6.55	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 05 Batch: WG670569-2 WG670569-3									
Aroclor 1016	85		80		40-140	6		30	A
Aroclor 1260	82		72		40-140	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		88		30-150	A
Decachlorobiphenyl	83		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		83		30-150	B
Decachlorobiphenyl	100		90		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-01
Client ID: MW 2B (24-26)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/14/14 10:00
Date Received: 02/14/14
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	89.3		%	0.100	NA	1	-	02/15/14 00:41	30,2540G	RT



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

SAMPLE RESULTS

Lab ID: L1403533-05
Client ID: MW 17D (26-28)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/14/14 08:40
Date Received: 02/14/14
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	83.4		%	0.100	NA	1	-	02/15/14 00:41	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,05 QC Batch ID: WG670572-1 QC Sample: L1403438-01 Client ID: DUP Sample						
Solids, Total	77.6	79.8	%	3		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/14/2014 17:32

Cooler Information Custody Seal Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403533-01A	Vial MeOH preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-01B	Vial water preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-01C	Vial water preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-01D	Amber 120ml unpreserved	A	N/A	5.4	Y	Absent	TS(7)
L1403533-02A	Vial MeOH preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-02B	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-02C	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-02D	Amber 120ml unpreserved	A	N/A	5.4	Y	Absent	HOLD()
L1403533-03A	Vial MeOH preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-03B	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-03C	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-03D	Amber 120ml unpreserved	A	N/A	5.4	Y	Absent	HOLD()
L1403533-04A	Vial MeOH preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-04B	Vial water preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-04C	Vial water preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-04D	Amber 120ml unpreserved	A	N/A	5.4	Y	Absent	TS100()
L1403533-05A	Vial MeOH preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-05B	Vial water preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-05C	Vial water preserved	A	N/A	5.4	Y	Absent	MCP-8260HLW-10(14)
L1403533-05D	Amber 120ml unpreserved	A	N/A	5.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403533-06A	Vial MeOH preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-06B	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-06C	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-06D	Amber 120ml unpreserved	A	N/A	5.4	Y	Absent	HOLD()
L1403533-07A	Vial MeOH preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-07B	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403533-07C	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-07D	Amber 120ml unpreserved	A	N/A	5.4	Y	Absent	HOLD()
L1403533-08A	Vial MeOH preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-08B	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-08C	Vial water preserved	A	N/A	5.4	Y	Absent	HOLD(0)
L1403533-08D	Amber 120ml unpreserved	A	N/A	5.4	Y	Absent	HOLD()

Container Comments

L1403533-05D

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403533
Report Date: 02/20/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 2/14/14

ALPHA Job #: U403533

Project Information

Project Name: Aerovox

Project Location: New Bedford, MA

Project #: 39744051.20001

Project Manager: Judy LeClair / M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS Corporation

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: 603-606-4800

Email: Judy.Lclair@urs.com

Additional Project Information:
EVOC List only

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 2-21-14

Regulatory Requirements & Project Information Requirements

Yes No MA MCP Analytical Methods Yes No CT RCP Analytical Methods

Yes No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

Yes No GW1 Standards (Info Required for Metals & EPH with Targets)

Yes No NPDES RGP

Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials
		Date	Time		
03533 - 01	MW 2B (24-26)	2/14/14	1000	Soil	JAC
02	MW 2B (26-28)		1000	S	JAC
03	MW 2B (30-32)		1100	S	JAC
04	TB-07		0800	TB	
05	MW 17D (26-28)		0840	S	JKH
06	MW 17D (28-30)		1015	S	JKH
07	MW 17D (30-32)		1040	S	JKH
08	MW 17D (32-34)		1100	S	JKH

ANALYSIS	SVOC:	METALS:	METALS:	EPH:	VPH:	PCB	TPH:	Quant Only	Fingerprint	TOTAL SOLIDS (from PCB)	SAMPLE INFO
<input checked="" type="checkbox"/> 2260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	<input type="checkbox"/> ABN <input type="checkbox"/> PAH	<input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPT13	<input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> PEST	<input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint				Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	<u>V</u>	<u>CA</u>
Preservative	<u>G</u>	<u>F</u>

Relinquished By: Judy LeClair Date/Time: 2/14/14 1625

Received By: [Signature] Date/Time: 2/14/14 1625

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1403682
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith Leclair
Phone:	(603) 606-4818
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	02/25/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403682-01	MW 7B (2-4)	NEW BEDFORD, MA	02/18/14 09:50
L1403682-02	MW 7B (10-12)	NEW BEDFORD, MA	02/18/14 12:20
L1403682-03	MW 7B (12-14)	NEW BEDFORD, MA	02/18/14 13:00
L1403682-04	MW 7B (18-20)	NEW BEDFORD, MA	02/18/14 13:45
L1403682-05	MW 7B (20-22)	NEW BEDFORD, MA	02/18/14 14:00
L1403682-06	MW 7B (26-28)	NEW BEDFORD, MA	02/19/14 09:30
L1403682-07	TB-08	NEW BEDFORD, MA	02/18/14 00:00
L1403682-08	MW 7B (6-8)	NEW BEDFORD, MA	02/18/14 11:10

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L1403682-05 and -07: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The continuing calibration standard, associated with L1403682-05 and -07, is outside the acceptance criteria for dichlorodifluoromethane; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 02/25/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403682-05
 Client ID: MW 7B (20-22)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/20/14 16:30
 Analyst: BN
 Percent Solids: 91%

Date Collected: 02/18/14 14:00
 Date Received: 02/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	440	--	1
1,1-Dichloroethane	ND		ug/kg	66	--	1
Chloroform	ND		ug/kg	66	--	1
Carbon tetrachloride	ND		ug/kg	44	--	1
1,2-Dichloropropane	ND		ug/kg	150	--	1
Dibromochloromethane	ND		ug/kg	44	--	1
1,1,2-Trichloroethane	ND		ug/kg	66	--	1
Tetrachloroethene	ND		ug/kg	44	--	1
Chlorobenzene	ND		ug/kg	44	--	1
1,2-Dichloroethane	ND		ug/kg	44	--	1
1,1,1-Trichloroethane	ND		ug/kg	44	--	1
Bromodichloromethane	ND		ug/kg	44	--	1
trans-1,3-Dichloropropene	ND		ug/kg	44	--	1
cis-1,3-Dichloropropene	ND		ug/kg	44	--	1
Bromoform	ND		ug/kg	180	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	44	--	1
Chloromethane	ND		ug/kg	180	--	1
Vinyl chloride	ND		ug/kg	88	--	1
Chloroethane	ND		ug/kg	88	--	1
1,1-Dichloroethene	ND		ug/kg	44	--	1
trans-1,2-Dichloroethene	ND		ug/kg	66	--	1
Trichloroethene	1300		ug/kg	44	--	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
cis-1,2-Dichloroethene	84		ug/kg	44	--	1
Dichlorodifluoromethane	ND		ug/kg	440	--	1
1,2-Dibromoethane	ND		ug/kg	180	--	1
1,3-Dichloropropane	ND		ug/kg	180	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	44	--	1
o-Chlorotoluene	ND		ug/kg	180	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403682-05
 Client ID: MW 7B (20-22)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/18/14 14:00
 Date Received: 02/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	180	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403682-07
 Client ID: TB-08
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/20/14 16:58
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/18/14 00:00
 Date Received: 02/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403682-07
 Client ID: TB-08
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/18/14 00:00
 Date Received: 02/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/20/14 09:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,07 Batch: WG671574-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/20/14 09:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,07 Batch: WG671574-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 02/20/14 09:13
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,07 Batch: WG671574-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,07 Batch: WG671574-1 WG671574-2								
Methylene chloride	93		91		70-130	2		20
1,1-Dichloroethane	103		96		70-130	7		20
Chloroform	106		102		70-130	4		20
Carbon tetrachloride	114		105		70-130	8		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	98		97		70-130	1		20
1,1,2-Trichloroethane	93		92		70-130	1		20
Tetrachloroethene	106		98		70-130	8		20
Chlorobenzene	99		95		70-130	4		20
Trichlorofluoromethane	120		109		70-130	10		20
1,2-Dichloroethane	101		100		70-130	1		20
1,1,1-Trichloroethane	112		103		70-130	8		20
Bromodichloromethane	110		105		70-130	5		20
trans-1,3-Dichloropropene	97		95		70-130	2		20
cis-1,3-Dichloropropene	104		101		70-130	3		20
1,1-Dichloropropene	106		97		70-130	9		20
Bromoform	92		93		70-130	1		20
1,1,2,2-Tetrachloroethane	86		85		70-130	1		20
Benzene	101		94		70-130	7		20
Toluene	97		92		70-130	5		20
Ethylbenzene	100		94		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,07 Batch: WG671574-1 WG671574-2								
Chloromethane	81		75		70-130	8		20
Bromomethane	113		98		70-130	14		20
Vinyl chloride	96		86		70-130	11		20
Chloroethane	109		100		70-130	9		20
1,1-Dichloroethene	102		94		70-130	8		20
trans-1,2-Dichloroethene	104		99		70-130	5		20
Trichloroethene	109		100		70-130	9		20
1,2-Dichlorobenzene	98		96		70-130	2		20
1,3-Dichlorobenzene	100		96		70-130	4		20
1,4-Dichlorobenzene	100		95		70-130	5		20
Methyl tert butyl ether	97		96		70-130	1		20
p/m-Xylene	101		96		70-130	5		20
o-Xylene	101		96		70-130	5		20
cis-1,2-Dichloroethene	102		99		70-130	3		20
Dibromomethane	98		97		70-130	1		20
1,2,3-Trichloropropane	85		87		70-130	2		20
Styrene	102		98		70-130	4		20
Dichlorodifluoromethane	75		66	Q	70-130	13		20
Acetone	106		96		70-130	10		20
Carbon disulfide	93		85		70-130	9		20
Methyl ethyl ketone	94		97		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,07 Batch: WG671574-1 WG671574-2								
Methyl isobutyl ketone	96		93		70-130	3		20
2-Hexanone	84		82		70-130	2		20
Bromochloromethane	102		98		70-130	4		20
Tetrahydrofuran	86		89		70-130	3		20
2,2-Dichloropropane	110		104		70-130	6		20
1,2-Dibromoethane	94		91		70-130	3		20
1,3-Dichloropropane	92		90		70-130	2		20
1,1,1,2-Tetrachloroethane	104		100		70-130	4		20
Bromobenzene	97		94		70-130	3		20
n-Butylbenzene	101		94		70-130	7		20
sec-Butylbenzene	100		94		70-130	6		20
tert-Butylbenzene	100		94		70-130	6		20
o-Chlorotoluene	98		93		70-130	5		20
p-Chlorotoluene	99		94		70-130	5		20
1,2-Dibromo-3-chloropropane	90		88		70-130	2		20
Hexachlorobutadiene	111		102		70-130	8		20
Isopropylbenzene	98		92		70-130	6		20
p-Isopropyltoluene	102		96		70-130	6		20
Naphthalene	91		89		70-130	2		20
n-Propylbenzene	98		90		70-130	9		20
1,2,3-Trichlorobenzene	102		99		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,07 Batch: WG671574-1 WG671574-2								
1,2,4-Trichlorobenzene	104		101		70-130	3		20
1,3,5-Trimethylbenzene	100		94		70-130	6		20
1,2,4-Trimethylbenzene	100		94		70-130	6		20
Diethyl ether	100		96		70-130	4		20
Diisopropyl Ether	96		94		70-130	2		20
Ethyl-Tert-Butyl-Ether	100		99		70-130	1		20
Tertiary-Amyl Methyl Ether	103		101		70-130	2		20
1,4-Dioxane	110		104		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		103		70-130
Toluene-d8	94		95		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	104		105		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403682-05
 Client ID: MW 7B (20-22)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/21/14 21:14
 Analyst: JW
 Percent Solids: 91%

Date Collected: 02/18/14 14:00
 Date Received: 02/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/20/14 19:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	20.3	--	1	A
Aroclor 1221	ND		ug/kg	20.3	--	1	A
Aroclor 1232	ND		ug/kg	20.3	--	1	A
Aroclor 1242	ND		ug/kg	20.3	--	1	A
Aroclor 1248	ND		ug/kg	13.6	--	1	A
Aroclor 1254	39.1		ug/kg	20.3	--	1	B
Aroclor 1260	ND		ug/kg	13.6	--	1	A
Aroclor 1262	ND		ug/kg	6.78	--	1	A
Aroclor 1268	ND		ug/kg	6.78	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
Analytical Date: 02/21/14 21:27
Analyst: JW

Extraction Method: EPA 3540C
Extraction Date: 02/20/14 19:45
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/21/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 05 Batch: WG671466-1						
Aroclor 1016	ND		ug/kg	19.9	--	A
Aroclor 1221	ND		ug/kg	19.9	--	A
Aroclor 1232	ND		ug/kg	19.9	--	A
Aroclor 1242	ND		ug/kg	19.9	--	A
Aroclor 1248	ND		ug/kg	13.3	--	A
Aroclor 1254	ND		ug/kg	19.9	--	A
Aroclor 1260	ND		ug/kg	13.3	--	A
Aroclor 1262	ND		ug/kg	6.63	--	A
Aroclor 1268	ND		ug/kg	6.63	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 05 Batch: WG671466-2 WG671466-3									
Aroclor 1016	98		109		40-140	11		30	A
Aroclor 1260	123		135		40-140	9		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		94		30-150	A
Decachlorobiphenyl	95		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		89		30-150	B
Decachlorobiphenyl	97		106		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

SAMPLE RESULTS

Lab ID: L1403682-05
Client ID: MW 7B (20-22)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/18/14 14:00
Date Received: 02/19/14
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	91.2		%	0.100	NA	1	-	02/20/14 02:06	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG671282-1 QC Sample: L1403229-01 Client ID: DUP Sample						
Solids, Total	83.9	83.9	%	0		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/19/2014 17:25

Cooler Information Custody Seal Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403682-01A	Vial MeOH preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-01B	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-01C	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-01D	Amber 120ml unpreserved	A	N/A	4	Y	Absent	HOLD()
L1403682-02A	Vial MeOH preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-02B	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-02C	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-02D	Amber 120ml unpreserved	A	N/A	4	Y	Absent	HOLD()
L1403682-03A	Vial MeOH preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-03B	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-03C	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-03D	Amber 120ml unpreserved	A	N/A	4	Y	Absent	HOLD()
L1403682-04A	Vial MeOH preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-04B	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-04C	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-04D	Amber 120ml unpreserved	A	N/A	4	Y	Absent	HOLD()
L1403682-05A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1403682-05B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1403682-05C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1403682-05D	Amber 120ml unpreserved	A	N/A	4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403682-06A	Vial MeOH preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-06B	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-06C	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-06D	Amber 120ml unpreserved	A	N/A	4	Y	Absent	HOLD()
L1403682-07A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1403682-07B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403682-07C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1403682-08A	Vial MeOH preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-08B	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-08C	Vial water preserved	A	N/A	4	Y	Absent	HOLD-8260HLW(14)
L1403682-08D	Amber 120ml unpreserved	A	N/A	4	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403682
Report Date: 02/25/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE _____ OF _____

Date Rec'd in Lab: 2/19/14

ALPHA Job #: L140368Z

8 Walkup Drive
Woburn, MA 01581
Tel: 508-999-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-622-9300

Project Information

Project Name: Aerodex

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS Corp
Address: 1155 Elm St, Suite 401
Manchester NH 03101
Phone: 603-606-4800
Email: judith.leclair@urs.com

Project Location: New Bedford, MA

Project #: 39744051.20001
Project Manager: Judy Leclair / M. Wade
ALPHA Quote #:

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: 2/26/14

ANALYSIS	VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL # BOTTLES
----------	---	---	---	--	---	---	---	-----------------

SAMPLE INFO

Filtration
 Field
 Lab to do
Preservation
 Lab to do

Additional Project Information:

800C list only
02-2014

mg 2-2014 all additions to SOE per Judith LeClair CURS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	Sample Comments	TOTAL # BOTTLES
		Date	Time													
03682-01	MW 7B (2-4)	2/18/14	0950	Soil	JAE	X						X	X		Hold	4
02	MW 7B (10-12)		1220												Hold	4
03	MW 7B (12-14)		1300											Hold		
04	MW 7B (18-20)		1345											Hold		
05	MW 7B (20-22)		1400													
06	MW 7B (26-28)	2/19/14	0930	Soil	JAE	X					X	X		Hold		
08	MW 7B (6-8)	2/18/14	11:10	Soil		X					X	X		HOLD		
07	TB-08	2/18/14	0800	Tril. Blank	JAE	X										3

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type 0 A
Preservative 0 A

Relinquished By: [Signature] Date/Time: 2/19/14 1430
Received By: [Signature] Date/Time: 2/19/14 1645

All samples submitted are subject to Alpha's Terms and Conditions. Reverse side:
FORM NC: 01-01, (rev. 12-Mar-2012)



8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE ____ OF ____

Date Rec'd in Lab: 2/19/14

ALPHA Job #: L1403682

Project Information

Project Name: Aerovox

Project Location: New Bedford, MA

Project #:

Project Manager: Judy Leclair / M. Wade

ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS Corp

Address: 1155 Elm St, Suite 401
Manchester NH 03101

Phone: 603-606-4800

Email: judith.leclair@urs.com

Additional Project Information:

SU&C list only

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 2/26/14

Regulatory Requirements & Project Information Requirements

Yes No MA MCP Analytical Methods Yes No CT RCP Analytical Methods
 Yes No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
 Yes No GW1 Standards (Info Required for Metals & EPH with Targets)
 Yes No NPDES RGP
 Other State /Fed Program Criteria

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										SAMPLE INFO	TOTAL # BOTTLES				
		Date	Time			VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 824 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPI3	EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL Solids	Filtration			Preservation			
03682-01	MW 7B (2-4)	2/18/14	0950	Soil	JAE	X											X	X	Hold	4	
02	MW 7B (10-12)		1220																Hold		
03	MW 7B (12-14)		1300																Hold		
04	MW 7B (18-20)		1345																Hold		
05	MW 7B (20-22)		1400																Hold		
06	MW 7B (26-28)	2/19/14	0930	Soil	JAE	X												X	X	Hold	
07	TB-08	2/18/14	0800	Tri-Blank	JAC	X															3

Container Type F= 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= HNO3 D= H2SO4 E= NaOH F= MeOH G= NaHSO4 H= Na2S2O8 I= Ascorbic Acid J= NH4Cl K= Zn Acetate O= Other	Container Type O Preservative O	Relinquished By: Date/Time: 2/19/14 1430	Received By: Date/Time: 2/19/14 1430	All samples submitted are subject to Alpha's Terms and Conditions. Reverse side: FORM NO: 01-01 (rev. 12-Mar-2012)
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7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1403682

Instrument ID: Voal04.i Calibration Date: 20-FEB-2014 Time: 07:51

Lab File ID: 0220A01 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane_____	.2456	.18342	.1	-25	20	F
chloromethane_____	.47699	.38777	.1	-19	20	
vinyl chloride_____	.38826	.37066	.1	-5	20	
bromomethane_____	.22319	.25285	.1	13	20	
chloroethane_____	.19181	.20851	.1	9	20	
trichlorofluoromethane_____	.38706	.46596	.1	20	20	F
ethyl ether_____	.12933	.13003	.05	1	20	
1,1,-dichloroethene_____	.2801	.28549	.1	2	20	
carbon disulfide_____	.87199	.81286	.1	-7	20	
methylene chloride_____	.35034	.32634	.1	-7	20	
acetone_____	100	106	.1	6	20	
trans-1,2-dichloroethene_____	.32209	.33474	.1	4	20	
methyl tert butyl ether_____	.77008	.74993	.1	-3	20	
Diisopropyl Ether_____	1.3027	1.2528	.05	-4	20	
1,1-dichloroethane_____	.63829	.6572	.2	3	20	
Ethyl-Tert-Butyl-Ether_____	1.1479	1.1538	.05	1	20	
cis-1,2-dichloroethene_____	.3552	.36397	.1	2	20	
2,2-dichloropropane_____	.42443	.46861	.05	10	20	
bromochloromethane_____	.19052	.19458	.05	2	20	
chloroform_____	.53755	.57277	.2	7	20	
carbontetrachloride_____	.41565	.47236	.1	14	20	
tetrahydrofuran_____	.12408	.1065	.05	-14	20	
1,1,1-trichloroethane_____	.47145	.52706	.1	12	20	
2-butanone_____	.16494	.15508	.1	-6	20	
1,1-dichloropropene_____	.40701	.43198	.05	6	20	
benzene_____	1.2029	1.2165	.5	1	20	
Tertiary-Amyl Methyl Ether_____	.79998	.8256	.05	3	20	
1,2-dichloroethane_____	.42241	.42615	.1	1	20	
trichloroethene_____	.3358	.36705	.2	9	20	
dibromomethane_____	.19714	.19386	.05	-2	20	
1,2-dichloropropane_____	.37464	.37568	.1	0	20	
bromodichloromethane_____	.41046	.44955	.2	10	20	
1,4-dioxane_____	.00317	.00348	.05	10	20	F
cis-1,3-dichloropropene_____	.49373	.51501	.2	4	20	
toluene_____	.96163	.93569	.4	-3	20	
tetrachloroethene_____	.47421	.5015	.2	6	20	
4-methyl-2-pentanone_____	.14818	.142	.1	-4	20	
trans-1,3-dichloropropene_____	.52206	.50653	.1	-3	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1403682

Instrument ID: Voal04.i Calibration Date: 20-FEB-2014 Time: 07:51

Lab File ID: 0220A01 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.2743	.25519	.1	-7	20
chlorodibromomethane	.44393	.43543	.1	-2	20
1,3-dichloropropane	.53502	.49237	.05	-8	20
1,2-dibromoethane	.37021	.34602	.1	-7	20
2-hexanone	.31885	.26744	.1	-16	20
chlorobenzene	1.1447	1.1354	.5	-1	20
ethyl benzene	1.8538	1.8605	.1	0	20
1,1,1,2-tetrachloroethane	.43944	.45556	.05	4	20
p/m xylene	.74208	.75311	.1	1	20
o xylene	.70662	.71124	.3	1	20
styrene	1.1709	1.1915	.3	2	20
bromoform	.57654	.53256	.1	-8	20
isopropylbenzene	3.5665	3.4941	.1	-2	20
bromobenzene	1.0234	.98998	.05	-3	20
n-propylbenzene	3.9208	3.8449	.05	-2	20
1,1,2,2,-tetrachloroethane	.85149	.73071	.3	-14	20
2-chlorotoluene	2.4872	2.4414	.05	-2	20
1,2,3-trichloropropane	.62086	.5284	.05	-15	20
1,3,5-trimethylbenzene	2.9418	2.9370	.05	0	20
4-chlorotoluene	2.4315	2.4029	.05	-1	20
tert-butylbenzene	2.5877	2.6026	.05	1	20
1,2,4-trimethylbenzene	2.9827	2.9875	.05	0	20
sec-butylbenzene	3.7584	3.7702	.05	0	20
p-isopropyltoluene	3.2721	3.3300	.05	2	20
1,3-dichlorobenzene	1.8944	1.8937	.6	0	20
1,4-dichlorobenzene	1.9144	1.9124	.5	0	20
n-butylbenzene	2.6866	2.7185	.05	1	20
1,2-dichlorobenzene	1.7682	1.7315	.4	-2	20
1,2-dibromo-3-chloropropane	.1627	.14587	.05	-10	20
hexachlorobutadiene	.57947	.64244	.05	11	20
1,2,4-trichlorobenzene	1.2197	1.2697	.2	4	20
naphthalene	2.8293	2.5638	.05	-9	20
1,2,3-trichlorobenzene	1.1423	1.1658	.05	2	20
dibromofluoromethane	.27073	.28239	.05	4	30
1,2-dichloroethane-d4	.25747	.25617	.05	-1	30
toluene-d8	1.1871	1.1202	.05	-6	30
4-bromofluorobenzene	.83425	.80248	.05	-4	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1403721
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	02/26/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403721-01	MW13D (10-12)	NEW BEDFORD, MA	02/04/14 09:30
L1403721-02	MW19D (22-24)	NEW BEDFORD, MA	02/10/14 13:10
L1403721-03	MW10D (36-37)	NEW BEDFORD, MA	02/11/14 12:45

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

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

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



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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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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.

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Case Narrative (continued)

MCP Related Narratives

Volatile Organics

L1403721-03 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The results of both analyses are reported.

In reference to question G:

L1403721-02: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:


The continuing calibration standard, associated with L1403721-03, 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.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 02/26/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-02
 Client ID: MW19D (22-24)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/21/14 14:24
 Analyst: BN
 Percent Solids: 83%

Date Collected: 02/10/14 13:10
 Date Received: 02/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	530	--	1
1,1-Dichloroethane	ND		ug/kg	80	--	1
Chloroform	ND		ug/kg	80	--	1
Carbon tetrachloride	ND		ug/kg	53	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	53	--	1
1,1,2-Trichloroethane	ND		ug/kg	80	--	1
Tetrachloroethene	ND		ug/kg	53	--	1
Chlorobenzene	ND		ug/kg	53	--	1
1,2-Dichloroethane	ND		ug/kg	53	--	1
1,1,1-Trichloroethane	ND		ug/kg	53	--	1
Bromodichloromethane	ND		ug/kg	53	--	1
trans-1,3-Dichloropropene	ND		ug/kg	53	--	1
cis-1,3-Dichloropropene	ND		ug/kg	53	--	1
Bromoform	ND		ug/kg	210	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	53	--	1
Chloromethane	ND		ug/kg	210	--	1
Vinyl chloride	ND		ug/kg	110	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	53	--	1
trans-1,2-Dichloroethene	ND		ug/kg	80	--	1
Trichloroethene	300		ug/kg	53	--	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
cis-1,2-Dichloroethene	200		ug/kg	53	--	1
Dichlorodifluoromethane	ND		ug/kg	530	--	1
1,2-Dibromoethane	ND		ug/kg	210	--	1
1,3-Dichloropropane	ND		ug/kg	210	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	53	--	1
o-Chlorotoluene	ND		ug/kg	210	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-02
 Client ID: MW19D (22-24)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/10/14 13:10
 Date Received: 02/10/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-03
 Client ID: MW10D (36-37)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/23/14 10:40
 Analyst: BN
 Percent Solids: 88%

Date Collected: 02/11/14 12:45
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.74	--	1
Chloroform	ND		ug/kg	0.74	--	1
Carbon tetrachloride	ND		ug/kg	0.50	--	1
1,2-Dichloropropane	ND		ug/kg	1.7	--	1
Dibromochloromethane	ND		ug/kg	0.50	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	--	1
Tetrachloroethene	2.4		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
1,2-Dichloroethane	ND		ug/kg	0.50	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Chloromethane	ND		ug/kg	2.0	--	1
Vinyl chloride	7.1		ug/kg	0.99	--	1
Chloroethane	ND		ug/kg	0.99	--	1
1,1-Dichloroethene	ND		ug/kg	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
Trichloroethene	170	E	ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	65		ug/kg	0.50	--	1
Dichlorodifluoromethane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.0	--	1
1,3-Dichloropropane	ND		ug/kg	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1

Project Name: AEROVOX
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Lab Number: L1403721
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SAMPLE RESULTS

Lab ID: L1403721-03
 Client ID: MW10D (36-37)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/11/14 12:45
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-03
 Client ID: MW10D (36-37)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/24/14 15:02
 Analyst: BN
 Percent Solids: 88%

Date Collected: 02/11/14 12:45
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	74	--	1
Chloroform	ND		ug/kg	74	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	170	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	74	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	99	--	1
Chloroethane	ND		ug/kg	99	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	74	--	1
Trichloroethene	250		ug/kg	50	--	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
cis-1,2-Dichloroethene	83		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX
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Lab Number: L1403721
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SAMPLE RESULTS

Lab ID: L1403721-03
 Client ID: MW10D (36-37)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/11/14 12:45
 Date Received: 02/11/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/21/14 09:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG671798-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/21/14 09:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG671798-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 02/21/14 09:41
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG671798-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/23/14 09:43
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG671851-3					
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	--
1,1-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	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/23/14 09:43
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG671851-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	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	--
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	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/23/14 09:43
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG671851-3					
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	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/24/14 09:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 03 Batch: WG672170-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/24/14 09:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 03 Batch: WG672170-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/24/14 09:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 03 Batch: WG672170-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

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: WG671798-1 WG671798-2								
Methylene chloride	106		98		70-130	8		20
1,1-Dichloroethane	113		105		70-130	7		20
Chloroform	110		102		70-130	8		20
Carbon tetrachloride	113		107		70-130	5		20
1,2-Dichloropropane	111		102		70-130	8		20
Dibromochloromethane	98		91		70-130	7		20
1,1,2-Trichloroethane	102		96		70-130	6		20
Tetrachloroethene	104		97		70-130	7		20
Chlorobenzene	103		97		70-130	6		20
Trichlorofluoromethane	120		111		70-130	8		20
1,2-Dichloroethane	113		104		70-130	8		20
1,1,1-Trichloroethane	110		103		70-130	7		20
Bromodichloromethane	108		100		70-130	8		20
trans-1,3-Dichloropropene	102		94		70-130	8		20
cis-1,3-Dichloropropene	106		98		70-130	8		20
1,1-Dichloropropene	116		107		70-130	8		20
Bromoform	94		83		70-130	12		20
1,1,2,2-Tetrachloroethane	105		90		70-130	15		20
Benzene	109		102		70-130	7		20
Toluene	102		97		70-130	5		20
Ethylbenzene	105		99		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

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: WG671798-1 WG671798-2								
Chloromethane	105		98		70-130	7		20
Bromomethane	133	Q	127		70-130	5		20
Vinyl chloride	108		102		70-130	6		20
Chloroethane	114		105		70-130	8		20
1,1-Dichloroethene	112		104		70-130	7		20
trans-1,2-Dichloroethene	111		103		70-130	7		20
Trichloroethene	111		104		70-130	7		20
1,2-Dichlorobenzene	105		96		70-130	9		20
1,3-Dichlorobenzene	107		98		70-130	9		20
1,4-Dichlorobenzene	108		98		70-130	10		20
Methyl tert butyl ether	104		92		70-130	12		20
p/m-Xylene	104		98		70-130	6		20
o-Xylene	102		97		70-130	5		20
cis-1,2-Dichloroethene	108		100		70-130	8		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	107		92		70-130	15		20
Styrene	102		96		70-130	6		20
Dichlorodifluoromethane	104		98		70-130	6		20
Acetone	108		81		70-130	29	Q	20
Carbon disulfide	109		103		70-130	6		20
Methyl ethyl ketone	103		85		70-130	19		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

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: WG671798-1 WG671798-2								
Methyl isobutyl ketone	99		82		70-130	19		20
2-Hexanone	86		69	Q	70-130	22	Q	20
Bromochloromethane	106		98		70-130	8		20
Tetrahydrofuran	96		82		70-130	16		20
2,2-Dichloropropane	109		101		70-130	8		20
1,2-Dibromoethane	101		93		70-130	8		20
1,3-Dichloropropane	103		95		70-130	8		20
1,1,1,2-Tetrachloroethane	100		94		70-130	6		20
Bromobenzene	98		91		70-130	7		20
n-Butylbenzene	120		111		70-130	8		20
sec-Butylbenzene	110		102		70-130	8		20
tert-Butylbenzene	105		98		70-130	7		20
o-Chlorotoluene	110		103		70-130	7		20
p-Chlorotoluene	110		102		70-130	8		20
1,2-Dibromo-3-chloropropane	97		83		70-130	16		20
Hexachlorobutadiene	105		97		70-130	8		20
Isopropylbenzene	105		97		70-130	8		20
p-Isopropyltoluene	110		102		70-130	8		20
Naphthalene	100		87		70-130	14		20
n-Propylbenzene	110		102		70-130	8		20
1,2,3-Trichlorobenzene	104		94		70-130	10		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

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: WG671798-1 WG671798-2								
1,2,4-Trichlorobenzene	108		99		70-130	9		20
1,3,5-Trimethylbenzene	107		100		70-130	7		20
1,2,4-Trimethylbenzene	108		100		70-130	8		20
Diethyl ether	105		94		70-130	11		20
Diisopropyl Ether	105		98		70-130	7		20
Ethyl-Tert-Butyl-Ether	104		96		70-130	8		20
Tertiary-Amyl Methyl Ether	100		91		70-130	9		20
1,4-Dioxane	107		86		70-130	22	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		101		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	104		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG671851-1 WG671851-2								
Methylene chloride	105		100		70-130	5		20
1,1-Dichloroethane	110		103		70-130	7		20
Chloroform	108		103		70-130	5		20
Carbon tetrachloride	111		100		70-130	10		20
1,2-Dichloropropane	108		103		70-130	5		20
Dibromochloromethane	96		93		70-130	3		20
1,1,2-Trichloroethane	102		99		70-130	3		20
Tetrachloroethene	99		93		70-130	6		20
Chlorobenzene	100		96		70-130	4		20
Trichlorofluoromethane	117		108		70-130	8		20
1,2-Dichloroethane	112		108		70-130	4		20
1,1,1-Trichloroethane	107		98		70-130	9		20
Bromodichloromethane	107		101		70-130	6		20
trans-1,3-Dichloropropene	100		96		70-130	4		20
cis-1,3-Dichloropropene	106		100		70-130	6		20
1,1-Dichloropropene	111		102		70-130	8		20
Bromoform	90		88		70-130	2		20
1,1,2,2-Tetrachloroethane	99		97		70-130	2		20
Benzene	106		100		70-130	6		20
Toluene	98		92		70-130	6		20
Ethylbenzene	100		95		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG671851-1 WG671851-2								
Chloromethane	106		98		70-130	8		20
Bromomethane	134	Q	125		70-130	7		20
Vinyl chloride	107		96		70-130	11		20
Chloroethane	112		102		70-130	9		20
1,1-Dichloroethene	108		100		70-130	8		20
trans-1,2-Dichloroethene	107		99		70-130	8		20
Trichloroethene	107		100		70-130	7		20
1,2-Dichlorobenzene	101		96		70-130	5		20
1,3-Dichlorobenzene	101		97		70-130	4		20
1,4-Dichlorobenzene	103		99		70-130	4		20
Methyl tert butyl ether	103		99		70-130	4		20
p/m-Xylene	99		94		70-130	5		20
o-Xylene	97		93		70-130	4		20
cis-1,2-Dichloroethene	106		100		70-130	6		20
Dibromomethane	108		105		70-130	3		20
1,2,3-Trichloropropane	97		100		70-130	3		20
Styrene	99		94		70-130	5		20
Dichlorodifluoromethane	106		95		70-130	11		20
Acetone	121		106		70-130	13		20
Carbon disulfide	109		100		70-130	9		20
Methyl ethyl ketone	106		100		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG671851-1 WG671851-2								
Methyl isobutyl ketone	97		93		70-130	4		20
2-Hexanone	84		79		70-130	6		20
Bromochloromethane	105		101		70-130	4		20
Tetrahydrofuran	95		94		70-130	1		20
2,2-Dichloropropane	105		97		70-130	8		20
1,2-Dibromoethane	99		96		70-130	3		20
1,3-Dichloropropane	100		99		70-130	1		20
1,1,1,2-Tetrachloroethane	97		94		70-130	3		20
Bromobenzene	94		92		70-130	2		20
n-Butylbenzene	111		105		70-130	6		20
sec-Butylbenzene	102		96		70-130	6		20
tert-Butylbenzene	98		92		70-130	6		20
o-Chlorotoluene	103		100		70-130	3		20
p-Chlorotoluene	103		99		70-130	4		20
1,2-Dibromo-3-chloropropane	95		93		70-130	2		20
Hexachlorobutadiene	97		92		70-130	5		20
Isopropylbenzene	98		92		70-130	6		20
p-Isopropyltoluene	102		96		70-130	6		20
Naphthalene	97		94		70-130	3		20
n-Propylbenzene	102		97		70-130	5		20
1,2,3-Trichlorobenzene	100		95		70-130	5		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG671851-1 WG671851-2								
1,2,4-Trichlorobenzene	104		101		70-130	3		20
1,3,5-Trimethylbenzene	100		96		70-130	4		20
1,2,4-Trimethylbenzene	102		97		70-130	5		20
Diethyl ether	104		99		70-130	5		20
Diisopropyl Ether	105		99		70-130	6		20
Ethyl-Tert-Butyl-Ether	103		98		70-130	5		20
Tertiary-Amyl Methyl Ether	100		96		70-130	4		20
1,4-Dioxane	110		107		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG672170-1 WG672170-2								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	108		107		70-130	1		20
Chloroform	114		114		70-130	0		20
Carbon tetrachloride	122		122		70-130	0		20
1,2-Dichloropropane	107		108		70-130	1		20
Dibromochloromethane	104		106		70-130	2		20
1,1,2-Trichloroethane	99		98		70-130	1		20
Tetrachloroethene	109		108		70-130	1		20
Chlorobenzene	102		103		70-130	1		20
Trichlorofluoromethane	127		126		70-130	1		20
1,2-Dichloroethane	111		110		70-130	1		20
1,1,1-Trichloroethane	120		119		70-130	1		20
Bromodichloromethane	116		116		70-130	0		20
trans-1,3-Dichloropropene	103		102		70-130	1		20
cis-1,3-Dichloropropene	112		112		70-130	0		20
1,1-Dichloropropene	112		113		70-130	1		20
Bromoform	103		98		70-130	5		20
1,1,2,2-Tetrachloroethane	94		87		70-130	8		20
Benzene	107		105		70-130	2		20
Toluene	99		101		70-130	2		20
Ethylbenzene	104		104		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG672170-1 WG672170-2								
Chloromethane	82		83		70-130	1		20
Bromomethane	108		106		70-130	2		20
Vinyl chloride	97		96		70-130	1		20
Chloroethane	113		113		70-130	0		20
1,1-Dichloroethene	107		107		70-130	0		20
trans-1,2-Dichloroethene	109		109		70-130	0		20
Trichloroethene	112		114		70-130	2		20
1,2-Dichlorobenzene	100		102		70-130	2		20
1,3-Dichlorobenzene	102		101		70-130	1		20
1,4-Dichlorobenzene	102		102		70-130	0		20
Methyl tert butyl ether	108		104		70-130	4		20
p/m-Xylene	104		105		70-130	1		20
o-Xylene	104		104		70-130	0		20
cis-1,2-Dichloroethene	108		109		70-130	1		20
Dibromomethane	109		106		70-130	3		20
1,2,3-Trichloropropane	95		87		70-130	9		20
Styrene	105		106		70-130	1		20
Dichlorodifluoromethane	75		79		70-130	5		20
Acetone	110		98		70-130	12		20
Carbon disulfide	98		96		70-130	2		20
Methyl ethyl ketone	97		87		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG672170-1 WG672170-2								
Methyl isobutyl ketone	111		101		70-130	9		20
2-Hexanone	92		84		70-130	9		20
Bromochloromethane	110		110		70-130	0		20
Tetrahydrofuran	101		82		70-130	21	Q	20
2,2-Dichloropropane	118		116		70-130	2		20
1,2-Dibromoethane	100		98		70-130	2		20
1,3-Dichloropropane	97		98		70-130	1		20
1,1,1,2-Tetrachloroethane	108		109		70-130	1		20
Bromobenzene	105		98		70-130	7		20
n-Butylbenzene	102		104		70-130	2		20
sec-Butylbenzene	104		102		70-130	2		20
tert-Butylbenzene	105		102		70-130	3		20
o-Chlorotoluene	102		98		70-130	4		20
p-Chlorotoluene	104		100		70-130	4		20
1,2-Dibromo-3-chloropropane	93		90		70-130	3		20
Hexachlorobutadiene	111		112		70-130	1		20
Isopropylbenzene	104		98		70-130	6		20
p-Isopropyltoluene	104		104		70-130	0		20
Naphthalene	92		91		70-130	1		20
n-Propylbenzene	103		98		70-130	5		20
1,2,3-Trichlorobenzene	101		102		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG672170-1 WG672170-2								
1,2,4-Trichlorobenzene	104		105		70-130	1		20
1,3,5-Trimethylbenzene	104		100		70-130	4		20
1,2,4-Trimethylbenzene	103		102		70-130	1		20
Diethyl ether	110		107		70-130	3		20
Diisopropyl Ether	102		103		70-130	1		20
Ethyl-Tert-Butyl-Ether	109		108		70-130	1		20
Tertiary-Amyl Methyl Ether	112		109		70-130	3		20
1,4-Dioxane	109		112		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	101		96		70-130
Dibromofluoromethane	106		105		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-01
 Client ID: MW13D (10-12)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/21/14 18:04
 Analyst: JW
 Percent Solids: 86%

Date Collected: 02/04/14 09:30
 Date Received: 02/04/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/20/14 12:00
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.8	--	1	A
Aroclor 1221	ND		ug/kg	22.8	--	1	A
Aroclor 1232	ND		ug/kg	22.8	--	1	A
Aroclor 1242	ND		ug/kg	22.8	--	1	A
Aroclor 1248	ND		ug/kg	15.2	--	1	A
Aroclor 1254	ND		ug/kg	22.8	--	1	A
Aroclor 1260	ND		ug/kg	15.2	--	1	A
Aroclor 1262	ND		ug/kg	7.59	--	1	A
Aroclor 1268	ND		ug/kg	7.59	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-02
 Client ID: MW19D (22-24)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/21/14 18:17
 Analyst: JW
 Percent Solids: 83%

Date Collected: 02/10/14 13:10
 Date Received: 02/10/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/20/14 12:00
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.1	--	1	A
Aroclor 1221	ND		ug/kg	23.1	--	1	A
Aroclor 1232	ND		ug/kg	23.1	--	1	A
Aroclor 1242	ND		ug/kg	23.1	--	1	A
Aroclor 1248	ND		ug/kg	15.4	--	1	A
Aroclor 1254	ND		ug/kg	23.1	--	1	A
Aroclor 1260	ND		ug/kg	15.4	--	1	A
Aroclor 1262	ND		ug/kg	7.69	--	1	A
Aroclor 1268	ND		ug/kg	7.69	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-03
 Client ID: MW10D (36-37)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/21/14 18:30
 Analyst: JW
 Percent Solids: 88%

Date Collected: 02/11/14 12:45
 Date Received: 02/11/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/20/14 12:00
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.6	--	1	A
Aroclor 1221	ND		ug/kg	21.6	--	1	A
Aroclor 1232	ND		ug/kg	21.6	--	1	A
Aroclor 1242	51.9		ug/kg	21.6	--	1	B
Aroclor 1248	ND		ug/kg	14.4	--	1	A
Aroclor 1254	ND		ug/kg	21.6	--	1	A
Aroclor 1260	ND		ug/kg	14.4	--	1	A
Aroclor 1262	ND		ug/kg	7.18	--	1	A
Aroclor 1268	ND		ug/kg	7.18	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082
 Analytical Date: 02/21/14 18:43
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 02/20/14 12:00
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-03 Batch: WG671383-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.51	--	A
Aroclor 1268	ND		ug/kg	6.51	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

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: WG671383-2 WG671383-3									
Aroclor 1016	120		109		40-140	10		30	A
Aroclor 1260	113		109		40-140	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		85		30-150	A
Decachlorobiphenyl	97		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		88		30-150	B
Decachlorobiphenyl	83		82		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-01
Client ID: MW13D (10-12)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/04/14 09:30
Date Received: 02/04/14
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	85.7		%	0.100	NA	1	-	02/21/14 19:42	30,2540G	RT



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-02
Client ID: MW19D (22-24)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/10/14 13:10
Date Received: 02/10/14
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	83.2		%	0.100	NA	1	-	02/21/14 19:42	30,2540G	RT



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403721-03
Client ID: MW10D (36-37)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/11/14 12:45
Date Received: 02/11/14
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	87.7		%	0.100	NA	1	-	02/21/14 19:42	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG671677-1 QC Sample: L1403721-01 Client ID: MW13D (10-12)						
Solids, Total	85.7	87.8	%	2		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/10/2014 23:24

Cooler Information Custody Seal

Cooler

A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403721-01A	Amber 120ml unpreserved	A	N/A	2.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403721-02A	Vial MeOH preserved	B	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403721-02B	Vial water preserved	B	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403721-02C	Vial water preserved	B	N/A	4.4	Y	Absent	MCP-8260HLW-10(14)
L1403721-02D	Amber 120ml unpreserved	B	N/A	4.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403721-03A	Vial MeOH preserved	C	N/A	2.4	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403721-03B	Vial water preserved	C	N/A	2.4	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403721-03C	Vial water preserved	C	N/A	2.4	Y	Absent	MCP-8260H-10(14),MCP-8260HLW-10(14)
L1403721-03D	Amber 120ml unpreserved	C	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

Container Comments

L1403721-03A

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403721
Report Date: 02/26/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

2013



CHAIN OF CUSTODY

PAGE 2 OF

Date Rec'd in Lab: 2/4/14

ALPHA Job #: ~~1440297~~ 2/19/14

Project Information
 Project Name: Acrowx
 Project Location: New Bedford, MA
 Project #: 39744051.20001
 Project Manager: Judy Leclair/m. Wade
 ALPHA Quote #:

Report Information - Data Deliverables
 ADEX EMAIL Same as Client Info PO #:

Client Information
 Client: URS
 Address: 1155 Elm Street, Suite 401
Manchester, NH 03101
 Phone: 603 606 4800
 Email: judy.leclair@urs.com

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 _____

Additional Project Information:
 mg 2/20/14 Completed project number to match for all three pages of COC.

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
 Date Due: 2/26/14
~~2/11/14~~

ANALYSIS
 SVOC: ABN PAH
 METALS: MCP 13 MCP 14 RCP 15
 EPH: RCR45 RCR48 PPT3
 VPH: Ranges & Targets Ranges Only
 PCB PEST
 TPH: Quant Only Fingerprint
Total Solids (TS from 160 sample bottle)

SAMPLE INFO
 Filtration
 Field Lab to do
 Preservation
 Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATION	TOTAL BOTTLES
		Date	Time					
03707	MW-4S (0-2)	2/3	15:40	Soil	CKR			1
4	MW-4S (2-4)	2/3	15:45	Soil	CKR			1
10	MW-4S (4-5)	2/3	15:50	Soil	CKR			1
11	MW-11B (8-9)	2/3	12:00	Soil	JAC			5
12	MW13D (0-2)	2/4/14	0835	S	JKH			5 4
13	MW13D (6-8)	2/4/14	0900	S	JKH			5 4
14	MW13D (9-10)	2/4/14	0920	S	JKH			5 4
0372101	MW13D (10-12)	2/4/14	0930	S	JKH			5 4

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= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₈
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type: G
 Preservative: O

Relinquished By: Christopher Kane Date/Time: 2/4/14 11:43
 Received By: Steve Wade Date/Time: 2/4/14 11:40

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 01-01 (rev. 12/14/2012)

2013



CHAIN OF CUSTODY

PAGE 2 OF

Date Rec'd in Lab: 2/4/14

ALPHA Job #: ~~1440297~~ 2/19/14

Project Information Project Name: <u>Acrowx</u> Project Location: <u>New Bedford, MA</u> Project #: <u>39744051</u> Project Manager: <u>Judy Leclair/m. Wade</u> ALPHA Quote #:	
Client Information Client: <u>URS</u> Address: <u>1155 Elm Street, Suite 401</u> <u>Manchester, NH 03101</u> Phone: <u>603 606 4800</u> Email: <u>judy.leclair@urs.com</u>	
Additional Project Information:	
Turn-Around Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH (only confirmed if pre-approved) Date Due: <u>2/26/14</u> 2/11/14	

Report Information - Data Deliverables <input type="checkbox"/> ADEX <input checked="" type="checkbox"/> EMAIL		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #:	
Regulatory Requirements & Project Information Requirements <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MA MCP Analytical Methods <input type="checkbox"/> Yes <input type="checkbox"/> No CT RCP Analytical Methods <input type="checkbox"/> Yes <input type="checkbox"/> No Matrix Spike Required on this SDG? (Required for MCP Inorganics) <input type="checkbox"/> Yes <input type="checkbox"/> No GW1 Standards (Info Required for Metals & EPH with Targets) <input type="checkbox"/> Yes <input type="checkbox"/> No NPDES RGP <input type="checkbox"/> Other State / Fed Program _____ Criteria _____			
ANALYSIS SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15 EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPT3 VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only PCB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint Total Solids (TS from 100 sample bottle)		SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	PRESERVATION	TOTAL BOTTLES
		Date	Time					
03707	MW-4S (0-2)	2/3	15:40	Soil	CKK			1
03708	MW-4S (2-4)	2/3	15:45	Soil	CKK			1
03709	MW-4S (4-5)	2/3	15:50	Soil	CKK			1
03710	MW-11B (8-9)	2/3	12:00	Soil	JAC			5
03711	MW13D (0-2)	2/4/14	0835	S	JKH			5 4
03712	MW13D (6-8)	2/4/14	0900	S	JKH			5 4
03713	MW13D (9-10)	2/4/14	0920	S	JKH			5 4
0372101	MW13D (10-12)	2/4/14	0930	S	JKH			5 4

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 ₂ SO ₄ E= NaOH F= MeOH G= NaHSO ₄ H= Na ₂ S ₂ O ₈ I= Ascorbic Acid J= NH ₄ Cl K= Zn Acetate O= Other	Container Type: <u>G</u> Preservative: <u>O</u>	Relinquished By: <u>Christopher Kane</u> Date/Time: <u>2/4/14 11:40</u> Received By: <u>Steve Wade</u> Date/Time: <u>2/4/14 11:40</u>
--	---	--	--

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12/14/2012)



CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd In Lab: 2/10/14

ALPHA Job # ~~LH03180~~ 2/19/14

8 Walkup Drive
Westboro, MA 01581
Tel: 508-888-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-8300

Project Information

Project Name: Aerovox

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #

Client Information

Client: URS

Project Location: New Bedford, MA

Project #: 39744051.20001

Address: 1155 Elm St, Suite 401

Project Manager: J. LeClair/M. Wade

Manchester, NH 03101

ALPHA Quote #:

Phone: (603) 606-4800

Turn-Around Time

Email: judith.leclair@urs.com

Standard RUSH (only confirmed if pre-approved)

Date Due: 2/17/14

Additional Project Information:
CVOC ONLY

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	SVOC: <input checked="" type="checkbox"/> 8280 <input type="checkbox"/> 624 <input type="checkbox"/> S242
	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15
	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA6 <input type="checkbox"/> PPT3
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only
	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint
	<u>Total Solids (from PCB bottle)</u>

SAMPLE INFO
 Filtration
 Field
 Lab to do
 Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	D/VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	Sample Comments	TOTAL # BOTTLES
		Date	Time													
03100-01	TB-04	2-10-14	0900	TB											RUN	3
02	MW16S (5-7)	2-10-14	0910	S	JKH										HOLD	4
03	MW16S (9-11)	2-10-14	0930	S	JKH										RUN	4
04	MW16S (11-13)	2-10-14	0940	S	JKH										HOLD	4
05	MW19D (4-6)	2-10-14	1130	S	JKH										RUN	4
06	MW19D (16-18)	2-10-14	1230	S	JKH										HOLD	4
07	MW19D (20-22)	2-10-14	1245	S	JKH										HOLD	4
0372-02-08	MW19D (22-24)	2-10-14	1310	S	JKH										HOLD	4

Container Type
 P= Plastic
 A= Amber glass
 V= Vial
 G= Glass
 B= Bacteria cup
 C= Cube
 E= Encore
 D= BOD Bottle

Preservative
 A= None
 B= HCl
 C= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₈
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Relinquished By: <u>[Signature]</u>	Date/Time: <u>2/10/14 1633</u>	Received By: <u>[Signature]</u>	Date/Time: <u>2/10/14 1633</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
 FORM NO: 11-01 (rev. 12-Mar-2012)

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1403721

Instrument ID: Voal04.i Calibration Date: 24-FEB-2014 Time: 07:45

Lab File ID: 0224A01 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane_____	.2456	.18494	.1	-25	20	F
chloromethane_____	.47699	.38978	.1	-18	20	
vinyl chloride_____	.38826	.37569	.1	-3	20	
bromomethane_____	.22319	.24189	.1	8	20	
chloroethane_____	.19181	.21711	.1	13	20	
trichlorofluoromethane_____	.38706	.49306	.1	27	20	F
ethyl ether_____	.12933	.14273	.05	10	20	
1,1,-dichloroethene_____	.2801	.30099	.1	7	20	
carbon disulfide_____	.87199	.85824	.1	-2	20	
methylene chloride_____	.35034	.34674	.1	-1	20	
acetone_____	100	110	.1	10	20	
trans-1,2-dichloroethene_____	.32209	.35056	.1	9	20	
methyl tert butyl ether_____	.77008	.82906	.1	8	20	
Diisopropyl Ether_____	1.3027	1.3351	.05	2	20	
1,1-dichloroethane_____	.63829	.68647	.2	8	20	
Ethyl-Tert-Butyl-Ether_____	1.1479	1.2505	.05	9	20	
cis-1,2-dichloroethene_____	.3552	.38546	.1	9	20	
2,2-dichloropropane_____	.42443	.50019	.05	18	20	
bromochloromethane_____	.19052	.2099	.05	10	20	
chloroform_____	.53755	.61164	.2	14	20	
carbontetrachloride_____	.41565	.50853	.1	22	20	F
tetrahydrofuran_____	.12408	.12525	.05	1	20	
1,1,1-trichloroethane_____	.47145	.56431	.1	20	20	
2-butanone_____	.16494	.15983	.1	-3	20	
1,1-dichloropropene_____	.40701	.45783	.05	12	20	
benzene_____	1.2029	1.2834	.5	7	20	
Tertiary-Amyl Methyl Ether_____	.79998	.90056	.05	13	20	
1,2-dichloroethane_____	.42241	.46975	.1	11	20	
trichloroethene_____	.3358	.37803	.2	13	20	
dibromomethane_____	.19714	.21569	.05	9	20	
1,2-dichloropropane_____	.37464	.40035	.1	7	20	
bromodichloromethane_____	.41046	.47722	.2	16	20	
1,4-dioxane_____	.00317	.00347	.05	9	20	F
cis-1,3-dichloropropene_____	.49373	.55453	.2	12	20	
toluene_____	.96163	.95599	.4	-1	20	
tetrachloroethene_____	.47421	.51718	.2	9	20	
4-methyl-2-pentanone_____	.14818	.16453	.1	11	20	
trans-1,3-dichloropropene_____	.52206	.53851	.1	3	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1403721

Instrument ID: Voal04.i Calibration Date: 24-FEB-2014 Time: 07:45

Lab File ID: 0224A01 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.2743	.27091	.1	-1	20
chlorodibromomethane	.44393	.46411	.1	5	20
1,3-dichloropropane	.53502	.51742	.05	-3	20
1,2-dibromoethane	.37021	.36933	.1	0	20
2-hexanone	.31885	.29221	.1	-8	20
chlorobenzene	1.1447	1.1682	.5	2	20
ethyl benzene	1.8538	1.9241	.1	4	20
1,1,1,2-tetrachloroethane	.43944	.47477	.05	8	20
p/m xylene	.74208	.77151	.1	4	20
o xylene	.70662	.73618	.3	4	20
styrene	1.1709	1.2320	.3	5	20
bromoform	.57654	.59578	.1	3	20
isopropylbenzene	3.5665	3.7002	.1	4	20
bromobenzene	1.0234	1.0706	.05	5	20
n-propylbenzene	3.9208	4.0238	.05	3	20
1,1,2,2,-tetrachloroethane	.85149	.79931	.3	-6	20
2-chlorotoluene	2.4872	2.5432	.05	2	20
1,2,3-trichloropropane	.62086	.59054	.05	-5	20
1,3,5-trimethylbenzene	2.9418	3.0661	.05	4	20
4-chlorotoluene	2.4315	2.5209	.05	4	20
tert-butylbenzene	2.5877	2.7143	.05	5	20
1,2,4-trimethylbenzene	2.9827	3.0637	.05	3	20
sec-butylbenzene	3.7584	3.9229	.05	4	20
p-isopropyltoluene	3.2721	3.4065	.05	4	20
1,3-dichlorobenzene	1.8944	1.9288	.6	2	20
1,4-dichlorobenzene	1.9144	1.9456	.5	2	20
n-butylbenzene	2.6866	2.7444	.05	2	20
1,2-dichlorobenzene	1.7682	1.7768	.4	0	20
1,2-dibromo-3-chloropropane	.1627	.15089	.05	-7	20
hexachlorobutadiene	.57947	.64201	.05	11	20
1,2,4-trichlorobenzene	1.2197	1.2711	.2	4	20
naphthalene	2.8293	2.5989	.05	-8	20
1,2,3-trichlorobenzene	1.1423	1.1529	.05	1	20
dibromofluoromethane	.27073	.2867	.05	6	30
1,2-dichloroethane-d4	.25747	.25791	.05	0	30
toluene-d8	1.1871	1.1114	.05	-6	30
4-bromofluorobenzene	.83425	.84257	.05	1	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1403778
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	03/07/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403778-01	TB-09	NEW BEDFORD, MA	02/20/14 00:00
L1403778-02	B15 (20-22)	NEW BEDFORD, MA	02/20/14 10:35
L1403778-03	B15 (22-24)	NEW BEDFORD, MA	02/20/14 10:40
L1403778-04	B15 (24-26)	NEW BEDFORD, MA	02/20/14 11:00
L1403778-05	B15 (26-28)	NEW BEDFORD, MA	02/20/14 11:05

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:


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

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/07/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

SAMPLE RESULTS

Lab ID: L1403778-01
 Client ID: TB-09
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 03/05/14 17:41
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/20/14 00:00
 Date Received: 02/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

SAMPLE RESULTS

Lab ID: L1403778-01
 Client ID: TB-09
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/20/14 00:00
 Date Received: 02/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

SAMPLE RESULTS

Lab ID: L1403778-03
 Client ID: B15 (22-24)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 03/05/14 18:08
 Analyst: BN
 Percent Solids: 84%

Date Collected: 02/20/14 10:40
 Date Received: 02/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	720	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	72	--	1
1,2-Dichloropropane	ND		ug/kg	250	--	1
Dibromochloromethane	ND		ug/kg	72	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	72	--	1
Chlorobenzene	ND		ug/kg	72	--	1
1,2-Dichloroethane	ND		ug/kg	72	--	1
1,1,1-Trichloroethane	ND		ug/kg	72	--	1
Bromodichloromethane	ND		ug/kg	72	--	1
trans-1,3-Dichloropropene	ND		ug/kg	72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	72	--	1
Bromoform	ND		ug/kg	290	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	72	--	1
Chloromethane	ND		ug/kg	290	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	140	--	1
1,1-Dichloroethene	ND		ug/kg	72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	860		ug/kg	72	--	1
1,2-Dichlorobenzene	ND		ug/kg	290	--	1
1,3-Dichlorobenzene	ND		ug/kg	290	--	1
1,4-Dichlorobenzene	ND		ug/kg	290	--	1
cis-1,2-Dichloroethene	150		ug/kg	72	--	1
Dichlorodifluoromethane	ND		ug/kg	720	--	1
1,2-Dibromoethane	ND		ug/kg	290	--	1
1,3-Dichloropropane	ND		ug/kg	290	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	72	--	1
o-Chlorotoluene	ND		ug/kg	290	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

SAMPLE RESULTS

Lab ID: L1403778-03
 Client ID: B15 (22-24)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/20/14 10:40
 Date Received: 02/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	290	--	1
Hexachlorobutadiene	ND		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	290	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/05/14 09:56
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG674000-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/05/14 09:56
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG674000-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 03/05/14 09:56
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG674000-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

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: WG674000-1 WG674000-2								
Methylene chloride	85		85		70-130	0		20
1,1-Dichloroethane	96		93		70-130	3		20
Chloroform	98		95		70-130	3		20
Carbon tetrachloride	101		97		70-130	4		20
1,2-Dichloropropane	93		91		70-130	2		20
Dibromochloromethane	101		101		70-130	0		20
1,1,2-Trichloroethane	95		94		70-130	1		20
Tetrachloroethene	107		102		70-130	5		20
Chlorobenzene	101		98		70-130	3		20
Trichlorofluoromethane	104		99		70-130	5		20
1,2-Dichloroethane	98		98		70-130	0		20
1,1,1-Trichloroethane	101		97		70-130	4		20
Bromodichloromethane	97		96		70-130	1		20
trans-1,3-Dichloropropene	95		94		70-130	1		20
cis-1,3-Dichloropropene	88		88		70-130	0		20
1,1-Dichloropropene	90		88		70-130	2		20
Bromoform	98		98		70-130	0		20
1,1,2,2-Tetrachloroethane	89		88		70-130	1		20
Benzene	87		84		70-130	4		20
Toluene	94		91		70-130	3		20
Ethylbenzene	97		93		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

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: WG674000-1 WG674000-2								
Chloromethane	97		92		70-130	5		20
Bromomethane	100		91		70-130	9		20
Vinyl chloride	98		91		70-130	7		20
Chloroethane	100		95		70-130	5		20
1,1-Dichloroethene	95		92		70-130	3		20
trans-1,2-Dichloroethene	95		94		70-130	1		20
Trichloroethene	98		94		70-130	4		20
1,2-Dichlorobenzene	101		97		70-130	4		20
1,3-Dichlorobenzene	103		98		70-130	5		20
1,4-Dichlorobenzene	103		98		70-130	5		20
Methyl tert butyl ether	85		85		70-130	0		20
p/m-Xylene	101		96		70-130	5		20
o-Xylene	100		97		70-130	3		20
cis-1,2-Dichloroethene	95		92		70-130	3		20
Dibromomethane	87		87		70-130	0		20
1,2,3-Trichloropropane	86		84		70-130	2		20
Styrene	98		95		70-130	3		20
Dichlorodifluoromethane	80		74		70-130	8		20
Acetone	94		98		70-130	4		20
Carbon disulfide	83		80		70-130	4		20
Methyl ethyl ketone	90		92		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

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: WG674000-1 WG674000-2								
Methyl isobutyl ketone	88		91		70-130	3		20
2-Hexanone	94		92		70-130	2		20
Bromochloromethane	94		94		70-130	0		20
Tetrahydrofuran	82		83		70-130	1		20
2,2-Dichloropropane	97		93		70-130	4		20
1,2-Dibromoethane	98		99		70-130	1		20
1,3-Dichloropropane	90		89		70-130	1		20
1,1,1,2-Tetrachloroethane	106		103		70-130	3		20
Bromobenzene	99		96		70-130	3		20
n-Butylbenzene	100		95		70-130	5		20
sec-Butylbenzene	98		93		70-130	5		20
tert-Butylbenzene	102		97		70-130	5		20
o-Chlorotoluene	96		92		70-130	4		20
p-Chlorotoluene	98		95		70-130	3		20
1,2-Dibromo-3-chloropropane	93		86		70-130	8		20
Hexachlorobutadiene	110		104		70-130	6		20
Isopropylbenzene	96		92		70-130	4		20
p-Isopropyltoluene	105		99		70-130	6		20
Naphthalene	92		91		70-130	1		20
n-Propylbenzene	96		92		70-130	4		20
1,2,3-Trichlorobenzene	98		96		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

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: WG674000-1 WG674000-2								
1,2,4-Trichlorobenzene	103		98		70-130	5		20
1,3,5-Trimethylbenzene	98		94		70-130	4		20
1,2,4-Trimethylbenzene	99		94		70-130	5		20
Diethyl ether	86		85		70-130	1		20
Diisopropyl Ether	100		98		70-130	2		20
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		20
Tertiary-Amyl Methyl Ether	88		87		70-130	1		20
1,4-Dioxane	86		88		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		103		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	103		104		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

SAMPLE RESULTS

Lab ID: L1403778-03
 Client ID: B15 (22-24)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 03/07/14 10:26
 Analyst: JW
 Percent Solids: 84%

Date Collected: 02/20/14 10:40
 Date Received: 02/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 03/05/14 18:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.7	--	1	A
Aroclor 1221	ND		ug/kg	23.7	--	1	A
Aroclor 1232	ND		ug/kg	23.7	--	1	A
Aroclor 1242	110		ug/kg	23.7	--	1	B
Aroclor 1248	ND		ug/kg	15.8	--	1	A
Aroclor 1254	29.6		ug/kg	23.7	--	1	A
Aroclor 1260	ND		ug/kg	15.8	--	1	A
Aroclor 1262	ND		ug/kg	7.90	--	1	A
Aroclor 1268	ND		ug/kg	7.90	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082
 Analytical Date: 03/07/14 10:50
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 03/05/14 18:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 03 Batch: WG673827-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.51	--	A
Aroclor 1268	ND		ug/kg	6.51	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 03 Batch: WG673827-2 WG673827-3									
Aroclor 1016	83		48		40-140	53	Q	30	A
Aroclor 1260	81		65		40-140	22		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		39		30-150	A
Decachlorobiphenyl	87		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		43		30-150	B
Decachlorobiphenyl	85		77		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

SAMPLE RESULTS

Lab ID: L1403778-03
Client ID: B15 (22-24)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/20/14 10:40
Date Received: 02/20/14
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	83.5		%	0.100	NA	1	-	03/06/14 00:49	30,2540G	RT



Lab Duplicate Analysis
Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG673857-1 QC Sample: L1403778-03 Client ID: B15 (22-24)						
Solids, Total	83.5	86.4	%	3		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/20/2014 22:28

Cooler Information Custody Seal Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403778-01A	Vial MeOH preserved	A	N/A	3.3	Y	Absent	MCP-8260HLW-10(14),TS100(0)
L1403778-01B	Vial water preserved	A	N/A	3.3	Y	Absent	MCP-8260HLW-10(14),TS100(0)
L1403778-01C	Vial water preserved	A	N/A	3.3	Y	Absent	MCP-8260HLW-10(14),TS100(0)
L1403778-02A	Vial MeOH preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-02B	Vial water preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-02C	Vial water preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-02D	Amber 120ml unpreserved	A	N/A	3.3	Y	Absent	HOLD()
L1403778-03A	Vial MeOH preserved	A	N/A	3.3	Y	Absent	MCP-8260HLW-10(14)
L1403778-03B	Vial water preserved	A	N/A	3.3	Y	Absent	MCP-8260HLW-10(14)
L1403778-03C	Vial water preserved	A	N/A	3.3	Y	Absent	MCP-8260HLW-10(14)
L1403778-03D	Amber 120ml unpreserved	A	N/A	3.3	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403778-04A	Vial MeOH preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-04B	Vial water preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-04C	Vial water preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-04D	Amber 120ml unpreserved	A	N/A	3.3	Y	Absent	HOLD()
L1403778-05A	Vial MeOH preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-05B	Vial water preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-05C	Vial water preserved	A	N/A	3.3	Y	Absent	HOLD-8260HLW(14)
L1403778-05D	Amber 120ml unpreserved	A	N/A	3.3	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403778
Report Date: 03/07/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/20/14

ALPHA Job #: L1403778

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: **Aerovox**

Project Location: **New Bedford, MA**

Project #: **39744051.20001**

Project Manager: **J. LeClair / M. Wade**

ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: **URS**

Address: **1155 Elm St, Suite 401
Manchester, NH 03101**

Phone: **(603) 606-4800**

Email: **judith.leclair@urs.com**

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: **2/27/14**

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SAMPLE INFO	
	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH		Filtration
	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15		<input type="checkbox"/> Field
	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP13		<input type="checkbox"/> Lab to do
	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		Preservation
	PCB: <input checked="" type="checkbox"/> PEST		<input type="checkbox"/> Lab to do
	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
	Total Solids		

Additional Project Information:

C VOC only

mg 3/5/14 per Judith @ URS run sample B15 (22-24) and TB-09

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time						
0377401	TB-09	2/20/14		TB				HOLD	3
2	B15 (20-22)		1035	S	JKH			HOLD	4
3	B15 (22-24)		1040	S	JKH			HOLD	4
4	B15 (24-26)		1100	S	JKH			HOLD	4
5	B15 (26-28)		1105	S	JKH			HOLD	4

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type **V**

Preservative **O**

G

A

Relinquished By:

Date/Time

Received By:

Date/Time

Handwritten signatures and dates:
 Relinquished By: *[Signature]* Date/Time: **2/20/14 1534**
 Received By: *[Signature]* Date/Time: **2/20/14 1534**
 Relinquished By: *[Signature]* Date/Time: **2/20/14 1620**
 Received By: *[Signature]* Date/Time: **2/20/14 1620**
 Relinquished By: *[Signature]* Date/Time: **2/20/14 1745**
 Received By: *[Signature]* Date/Time: **2/20/14 1745**

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd in Lab: 2/20/14

ALPHA Job #: L1403778

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox
Project Location: New Bedford, MA
Project #: 39744051.20001
Project Manager: J. LeClair / M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEx EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 2/27/14

Additional Project Information:

C VOC only

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input checked="" type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do
	<u>Total Solids</u>							

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	SAMPLE INFO	Sample Comments	TOTAL # BOTTLES
		Date	Time													
<u>0377401</u>	<u>TB-09</u>	<u>2/20/14</u>		<u>TB</u>		<u>3</u>								<u>HOLD</u>	<u>3</u>	
<u>2</u>	<u>B15 (20-22)</u>		<u>1035</u>	<u>S</u>	<u>JKH</u>	<u>3</u>					<u>1</u>		<u>X</u>	<u>HOLD</u>	<u>4</u>	
<u>3</u>	<u>B15 (22-24)</u>		<u>1040</u>	<u>S</u>	<u>JKH</u>	<u>3</u>					<u>1</u>		<u>X</u>	<u>HOLD</u>	<u>4</u>	
<u>4</u>	<u>B15 (24-26)</u>		<u>1100</u>	<u>S</u>	<u>JKH</u>	<u>3</u>					<u>1</u>		<u>X</u>	<u>HOLD</u>	<u>4</u>	
<u>5</u>	<u>B15 (26-28)</u>		<u>1105</u>	<u>S</u>	<u>JKH</u>	<u>3</u>					<u>1</u>		<u>X</u>	<u>HOLD</u>	<u>4</u>	

- | | |
|-----------------------|--|
| Container Type | Preservative |
| P= Plastic | A= None |
| A= Amber glass | B= HCl |
| V= Vial | C= HNO ₃ |
| G= Glass | D= H ₂ SO ₄ |
| B= Bacteria cup | E= NaOH |
| C= Cube | F= MeOH |
| O= Other | G= NaHSO ₄ |
| E= Encore | H= Na ₂ S ₂ O ₃ |
| D= BOD Bottle | I= Ascorbic Acid |
| | J= NH ₄ Cl |
| | K= Zn Acetate |
| | O= Other |

Container Type	<u>V</u>									<u>G</u>
Preservative	<u>0</u>									<u>A</u>

Relinquished By: <u>[Signature]</u>	Date/Time: <u>2/20/14 1534</u>	Received By: <u>[Signature]</u>	Date/Time: <u>2/20/14 1534</u>	All samples submitted are subject to Alpha's Terms and Conditions. See reverse side. FORM NO: 01-01 (rev. 12-Mar-2012)
<u>[Signature]</u>	<u>2/20/14 1620</u>	<u>[Signature]</u>	<u>2/20/14 1620</u>	



ANALYTICAL REPORT

Lab Number:	L1403907
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051
Report Date:	02/26/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1403907
Report Date: 02/26/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403907-01	B04E (0-2)	NEW BEDFORD, MA	02/21/14 16:00

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1403907
Report Date: 02/26/14

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
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: AEROVOX
Project Number: 39744051

Lab Number: L1403907
Report Date: 02/26/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051

Lab Number: L1403907
Report Date: 02/26/14

Case Narrative (continued)

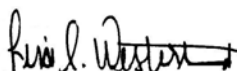
MCP Related Narratives

Report Submission

All MCP required questions were answered with affirmative responses; therefore, there are no relevant protocol-specific QC and/or performance standard non-conformances to report.

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: 02/26/14

ORGANICS

PCBS

Project Name: AEROVOX

Lab Number: L1403907

Project Number: 39744051

Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403907-01 D
 Client ID: B04E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/26/14 09:12
 Analyst: JW
 Percent Solids: 91%

Date Collected: 02/21/14 16:00
 Date Received: 02/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/25/14 10:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/26/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/26/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.9	--	2	A
Aroclor 1221	ND		ug/kg	42.9	--	2	A
Aroclor 1232	ND		ug/kg	42.9	--	2	A
Aroclor 1242	ND		ug/kg	42.9	--	2	A
Aroclor 1248	ND		ug/kg	28.6	--	2	A
Aroclor 1254	826		ug/kg	42.9	--	2	B
Aroclor 1260	ND		ug/kg	28.6	--	2	A
Aroclor 1262	ND		ug/kg	14.3	--	2	A
Aroclor 1268	ND		ug/kg	14.3	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: AEROVOX

Lab Number: L1403907

Project Number: 39744051

Report Date: 02/26/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
 Analytical Date: 02/26/14 07:36
 Analyst: JW

Extraction Method: EPA 3540C
 Extraction Date: 02/25/14 10:55
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/26/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/26/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG672140-1						
Aroclor 1016	ND		ug/kg	19.8	--	A
Aroclor 1221	ND		ug/kg	19.8	--	A
Aroclor 1232	ND		ug/kg	19.8	--	A
Aroclor 1242	ND		ug/kg	19.8	--	A
Aroclor 1248	ND		ug/kg	13.2	--	A
Aroclor 1254	ND		ug/kg	19.8	--	A
Aroclor 1260	ND		ug/kg	13.2	--	A
Aroclor 1262	ND		ug/kg	6.60	--	A
Aroclor 1268	ND		ug/kg	6.60	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	115		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1403907
Report Date: 02/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG672140-2 WG672140-3									
Aroclor 1016	98		87		40-140	12		30	A
Aroclor 1260	97		93		40-140	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		89		30-150	A
Decachlorobiphenyl	102		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		83		30-150	B
Decachlorobiphenyl	120		108		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX

Lab Number: L1403907

Project Number: 39744051

Report Date: 02/26/14

SAMPLE RESULTS

Lab ID: L1403907-01
 Client ID: B04E (0-2)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil

Date Collected: 02/21/14 16:00
 Date Received: 02/21/14
 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	91.1		%	0.100	NA	1	-	02/22/14 01:02	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX

Project Number: 39744051

Lab Number: L1403907

Report Date: 02/26/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG671703-1 QC Sample: L1403882-01 Client ID: DUP Sample						
Solids, Total	90.5	91.8	%	1		20

Project Name: AEROVOX

Lab Number: L1403907

Project Number: 39744051

Report Date: 02/26/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403907-01A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1403907
Report Date: 02/26/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1403907
Report Date: 02/26/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051

Lab Number: L1403907
Report Date: 02/26/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



ANALYTICAL REPORT

Lab Number:	L1403908
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	02/28/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1403908-01	TB-10	NEW BEDFORD, MA	02/20/14 00:00
L1403908-02	MW15D (20-22)	NEW BEDFORD, MA	02/20/14 14:30
L1403908-03	MW15D (22-24)	NEW BEDFORD, MA	02/20/14 14:35
L1403908-04	MW15D (24-26)	NEW BEDFORD, MA	02/20/14 14:55
L1403908-05	MW15D (26-28)	NEW BEDFORD, MA	02/20/14 15:00
L1403908-06	MW15D (28-30)	NEW BEDFORD, MA	02/20/14 15:30
L1403908-07	DUP-01	NEW BEDFORD, MA	02/20/14 15:10
L1403908-08	MW15D (30-31)	NEW BEDFORD, MA	02/21/14 08:00

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

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)?	NO

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

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

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

In reference to question H:

The continuing calibration standard, associated with L1403908-01, -05, and -07, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as addenda to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:

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

In reference to question H:

The surrogate recoveries for L1403908-05 and -07 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

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

Authorized Signature:

 Lisa Westerlind

Title: Technical Director/Representative

Date: 02/28/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-01
 Client ID: TB-10
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/24/14 16:52
 Analyst: BN
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 02/20/14 00:00
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	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
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	200	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
o-Chlorotoluene	ND		ug/kg	200	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-01
 Client ID: TB-10
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/20/14 00:00
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-05 D2
 Client ID: MW15D (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/25/14 14:47
 Analyst: BN
 Percent Solids: 90%

Date Collected: 02/20/14 15:00
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	3100000		ug/kg	70000	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-05 D
 Client ID: MW15D (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/24/14 15:57
 Analyst: BN
 Percent Solids: 90%

Date Collected: 02/20/14 15:00
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	72000	--	100
1,1-Dichloroethane	ND		ug/kg	11000	--	100
Chloroform	ND		ug/kg	11000	--	100
Carbon tetrachloride	ND		ug/kg	7200	--	100
1,2-Dichloropropane	ND		ug/kg	25000	--	100
Dibromochloromethane	ND		ug/kg	7200	--	100
1,1,2-Trichloroethane	ND		ug/kg	11000	--	100
Tetrachloroethene	1200000		ug/kg	7200	--	100
Chlorobenzene	ND		ug/kg	7200	--	100
1,2-Dichloroethane	ND		ug/kg	7200	--	100
1,1,1-Trichloroethane	ND		ug/kg	7200	--	100
Bromodichloromethane	ND		ug/kg	7200	--	100
trans-1,3-Dichloropropene	ND		ug/kg	7200	--	100
cis-1,3-Dichloropropene	ND		ug/kg	7200	--	100
Bromoform	ND		ug/kg	29000	--	100
1,1,2,2-Tetrachloroethane	ND		ug/kg	7200	--	100
Chloromethane	ND		ug/kg	29000	--	100
Vinyl chloride	ND		ug/kg	14000	--	100
Chloroethane	ND		ug/kg	14000	--	100
1,1-Dichloroethene	ND		ug/kg	7200	--	100
trans-1,2-Dichloroethene	ND		ug/kg	11000	--	100
Trichloroethene	3900000	E	ug/kg	7200	--	100
1,2-Dichlorobenzene	ND		ug/kg	29000	--	100
1,3-Dichlorobenzene	ND		ug/kg	29000	--	100
1,4-Dichlorobenzene	48000		ug/kg	29000	--	100
cis-1,2-Dichloroethene	300000		ug/kg	7200	--	100
Dichlorodifluoromethane	ND		ug/kg	72000	--	100
1,2-Dibromoethane	ND		ug/kg	29000	--	100
1,3-Dichloropropane	ND		ug/kg	29000	--	100
1,1,1,2-Tetrachloroethane	ND		ug/kg	7200	--	100
o-Chlorotoluene	ND		ug/kg	29000	--	100

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-05 D
 Client ID: MW15D (26-28)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/20/14 15:00
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	29000	--	100
Hexachlorobutadiene	ND		ug/kg	29000	--	100
1,2,4-Trichlorobenzene	1200000		ug/kg	29000	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-07 D2
 Client ID: DUP-01
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/25/14 15:14
 Analyst: BN
 Percent Solids: 89%

Date Collected: 02/20/14 15:10
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	2000000		ug/kg	50000	--	500
1,2,4-Trichlorobenzene	740000		ug/kg	200000	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-07 D
 Client ID: DUP-01
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 02/24/14 16:24
 Analyst: BN
 Percent Solids: 89%

Date Collected: 02/20/14 15:10
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	50000	--	50
1,1-Dichloroethane	ND		ug/kg	7500	--	50
Chloroform	ND		ug/kg	7500	--	50
Carbon tetrachloride	ND		ug/kg	5000	--	50
1,2-Dichloropropane	ND		ug/kg	18000	--	50
Dibromochloromethane	ND		ug/kg	5000	--	50
1,1,2-Trichloroethane	ND		ug/kg	7500	--	50
Tetrachloroethene	950000		ug/kg	5000	--	50
Chlorobenzene	ND		ug/kg	5000	--	50
1,2-Dichloroethane	ND		ug/kg	5000	--	50
1,1,1-Trichloroethane	ND		ug/kg	5000	--	50
Bromodichloromethane	ND		ug/kg	5000	--	50
trans-1,3-Dichloropropene	ND		ug/kg	5000	--	50
cis-1,3-Dichloropropene	ND		ug/kg	5000	--	50
Bromoform	ND		ug/kg	20000	--	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	5000	--	50
Chloromethane	ND		ug/kg	20000	--	50
Vinyl chloride	ND		ug/kg	10000	--	50
Chloroethane	ND		ug/kg	10000	--	50
1,1-Dichloroethene	ND		ug/kg	5000	--	50
trans-1,2-Dichloroethene	ND		ug/kg	7500	--	50
Trichloroethene	2800000	E	ug/kg	5000	--	50
1,2-Dichlorobenzene	ND		ug/kg	20000	--	50
1,3-Dichlorobenzene	ND		ug/kg	20000	--	50
1,4-Dichlorobenzene	42000		ug/kg	20000	--	50
cis-1,2-Dichloroethene	270000		ug/kg	5000	--	50
Dichlorodifluoromethane	ND		ug/kg	50000	--	50
1,2-Dibromoethane	ND		ug/kg	20000	--	50
1,3-Dichloropropane	ND		ug/kg	20000	--	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	5000	--	50
o-Chlorotoluene	ND		ug/kg	20000	--	50

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-07 D
 Client ID: DUP-01
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/20/14 15:10
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	20000	--	50
Hexachlorobutadiene	ND		ug/kg	20000	--	50
1,2,4-Trichlorobenzene	1200000	E	ug/kg	20000	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/24/14 09:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 01,05,07 Batch: WG672170-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/24/14 09:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 01,05,07 Batch: WG672170-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 02/24/14 09:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 01,05,07 Batch: WG672170-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/25/14 09:47
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,07 Batch: WG672170-6					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/25/14 09:47
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,07 Batch: WG672170-6					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/25/14 09:47
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,07 Batch: WG672170-6					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672170-1 WG672170-2								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	108		107		70-130	1		20
Chloroform	114		114		70-130	0		20
Carbon tetrachloride	122		122		70-130	0		20
1,2-Dichloropropane	107		108		70-130	1		20
Dibromochloromethane	104		106		70-130	2		20
1,1,2-Trichloroethane	99		98		70-130	1		20
Tetrachloroethene	109		108		70-130	1		20
Chlorobenzene	102		103		70-130	1		20
Trichlorofluoromethane	127		126		70-130	1		20
1,2-Dichloroethane	111		110		70-130	1		20
1,1,1-Trichloroethane	120		119		70-130	1		20
Bromodichloromethane	116		116		70-130	0		20
trans-1,3-Dichloropropene	103		102		70-130	1		20
cis-1,3-Dichloropropene	112		112		70-130	0		20
1,1-Dichloropropene	112		113		70-130	1		20
Bromoform	103		98		70-130	5		20
1,1,2,2-Tetrachloroethane	94		87		70-130	8		20
Benzene	107		105		70-130	2		20
Toluene	99		101		70-130	2		20
Ethylbenzene	104		104		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672170-1 WG672170-2								
Chloromethane	82		83		70-130	1		20
Bromomethane	108		106		70-130	2		20
Vinyl chloride	97		96		70-130	1		20
Chloroethane	113		113		70-130	0		20
1,1-Dichloroethene	107		107		70-130	0		20
trans-1,2-Dichloroethene	109		109		70-130	0		20
Trichloroethene	112		114		70-130	2		20
1,2-Dichlorobenzene	100		102		70-130	2		20
1,3-Dichlorobenzene	102		101		70-130	1		20
1,4-Dichlorobenzene	102		102		70-130	0		20
Methyl tert butyl ether	108		104		70-130	4		20
p/m-Xylene	104		105		70-130	1		20
o-Xylene	104		104		70-130	0		20
cis-1,2-Dichloroethene	108		109		70-130	1		20
Dibromomethane	109		106		70-130	3		20
1,2,3-Trichloropropane	95		87		70-130	9		20
Styrene	105		106		70-130	1		20
Dichlorodifluoromethane	75		79		70-130	5		20
Acetone	110		98		70-130	12		20
Carbon disulfide	98		96		70-130	2		20
Methyl ethyl ketone	97		87		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672170-1 WG672170-2								
Methyl isobutyl ketone	111		101		70-130	9		20
2-Hexanone	92		84		70-130	9		20
Bromochloromethane	110		110		70-130	0		20
Tetrahydrofuran	101		82		70-130	21	Q	20
2,2-Dichloropropane	118		116		70-130	2		20
1,2-Dibromoethane	100		98		70-130	2		20
1,3-Dichloropropane	97		98		70-130	1		20
1,1,1,2-Tetrachloroethane	108		109		70-130	1		20
Bromobenzene	105		98		70-130	7		20
n-Butylbenzene	102		104		70-130	2		20
sec-Butylbenzene	104		102		70-130	2		20
tert-Butylbenzene	105		102		70-130	3		20
o-Chlorotoluene	102		98		70-130	4		20
p-Chlorotoluene	104		100		70-130	4		20
1,2-Dibromo-3-chloropropane	93		90		70-130	3		20
Hexachlorobutadiene	111		112		70-130	1		20
Isopropylbenzene	104		98		70-130	6		20
p-Isopropyltoluene	104		104		70-130	0		20
Naphthalene	92		91		70-130	1		20
n-Propylbenzene	103		98		70-130	5		20
1,2,3-Trichlorobenzene	101		102		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672170-1 WG672170-2								
1,2,4-Trichlorobenzene	104		105		70-130	1		20
1,3,5-Trimethylbenzene	104		100		70-130	4		20
1,2,4-Trimethylbenzene	103		102		70-130	1		20
Diethyl ether	110		107		70-130	3		20
Diisopropyl Ether	102		103		70-130	1		20
Ethyl-Tert-Butyl-Ether	109		108		70-130	1		20
Tertiary-Amyl Methyl Ether	112		109		70-130	3		20
1,4-Dioxane	109		112		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	101		96		70-130
Dibromofluoromethane	106		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,07 Batch: WG672170-4 WG672170-5								
Methylene chloride	108		106		70-130	2		20
1,1-Dichloroethane	113		111		70-130	2		20
Chloroform	119		115		70-130	3		20
Carbon tetrachloride	131	Q	128		70-130	2		20
1,2-Dichloropropane	110		106		70-130	4		20
Dibromochloromethane	102		100		70-130	2		20
1,1,2-Trichloroethane	96		94		70-130	2		20
Tetrachloroethene	112		108		70-130	4		20
Chlorobenzene	100		97		70-130	3		20
Trichlorofluoromethane	134	Q	133	Q	70-130	1		20
1,2-Dichloroethane	113		113		70-130	0		20
1,1,1-Trichloroethane	127		124		70-130	2		20
Bromodichloromethane	119		116		70-130	3		20
trans-1,3-Dichloropropene	101		97		70-130	4		20
cis-1,3-Dichloropropene	113		110		70-130	3		20
1,1-Dichloropropene	118		116		70-130	2		20
Bromoform	98		95		70-130	3		20
1,1,2,2-Tetrachloroethane	83		81		70-130	2		20
Benzene	109		108		70-130	1		20
Toluene	102		97		70-130	5		20
Ethylbenzene	103		100		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,07 Batch: WG672170-4 WG672170-5								
Chloromethane	92		94		70-130	2		20
Bromomethane	113		115		70-130	2		20
Vinyl chloride	107		106		70-130	1		20
Chloroethane	121		119		70-130	2		20
1,1-Dichloroethene	114		111		70-130	3		20
trans-1,2-Dichloroethene	117		114		70-130	3		20
Trichloroethene	120		118		70-130	2		20
1,2-Dichlorobenzene	95		94		70-130	1		20
1,3-Dichlorobenzene	98		94		70-130	4		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	110		106		70-130	4		20
p/m-Xylene	103		100		70-130	3		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	112		111		70-130	1		20
Dibromomethane	109		108		70-130	1		20
1,2,3-Trichloropropane	86		83		70-130	4		20
Styrene	102		99		70-130	3		20
Dichlorodifluoromethane	87		88		70-130	1		20
Acetone	105		108		70-130	3		20
Carbon disulfide	106		103		70-130	3		20
Methyl ethyl ketone	91		99		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,07 Batch: WG672170-4 WG672170-5								
Methyl isobutyl ketone	98		98		70-130	0		20
2-Hexanone	81		81		70-130	0		20
Bromochloromethane	112		110		70-130	2		20
Tetrahydrofuran	99		98		70-130	1		20
2,2-Dichloropropane	123		121		70-130	2		20
1,2-Dibromoethane	97		95		70-130	2		20
1,3-Dichloropropane	95		92		70-130	3		20
1,1,1,2-Tetrachloroethane	105		102		70-130	3		20
Bromobenzene	98		94		70-130	4		20
n-Butylbenzene	100		97		70-130	3		20
sec-Butylbenzene	99		96		70-130	3		20
tert-Butylbenzene	100		97		70-130	3		20
o-Chlorotoluene	97		94		70-130	3		20
p-Chlorotoluene	98		94		70-130	4		20
1,2-Dibromo-3-chloropropane	89		87		70-130	2		20
Hexachlorobutadiene	108		106		70-130	2		20
Isopropylbenzene	98		94		70-130	4		20
p-Isopropyltoluene	100		98		70-130	2		20
Naphthalene	87		87		70-130	0		20
n-Propylbenzene	98		94		70-130	4		20
1,2,3-Trichlorobenzene	96		94		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,07 Batch: WG672170-4 WG672170-5								
1,2,4-Trichlorobenzene	101		98		70-130	3		20
1,3,5-Trimethylbenzene	99		95		70-130	4		20
1,2,4-Trimethylbenzene	98		95		70-130	3		20
Diethyl ether	112		111		70-130	1		20
Diisopropyl Ether	106		104		70-130	2		20
Ethyl-Tert-Butyl-Ether	111		108		70-130	3		20
Tertiary-Amyl Methyl Ether	112		110		70-130	2		20
1,4-Dioxane	97		105		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	93		92		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	108		107		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-05 D
 Client ID: MW15D (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/27/14 17:07
 Analyst: KB
 Percent Solids: 90%

Date Collected: 02/20/14 15:00
 Date Received: 02/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/22/14 00:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/23/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	527000	--	25000	A
Aroclor 1221	ND		ug/kg	527000	--	25000	A
Aroclor 1232	ND		ug/kg	527000	--	25000	A
Aroclor 1242	6290000		ug/kg	527000	--	25000	A
Aroclor 1248	ND		ug/kg	351000	--	25000	A
Aroclor 1254	2890000		ug/kg	527000	--	25000	A
Aroclor 1260	ND		ug/kg	351000	--	25000	A
Aroclor 1262	ND		ug/kg	176000	--	25000	A
Aroclor 1268	ND		ug/kg	176000	--	25000	A

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

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-07 D
 Client ID: DUP-01
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 02/27/14 17:19
 Analyst: KB
 Percent Solids: 89%

Date Collected: 02/20/14 15:10
 Date Received: 02/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/22/14 00:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/23/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	55300	--	2500	A
Aroclor 1221	ND		ug/kg	55300	--	2500	A
Aroclor 1232	ND		ug/kg	55300	--	2500	A
Aroclor 1242	638000		ug/kg	55300	--	2500	A
Aroclor 1248	ND		ug/kg	36800	--	2500	A
Aroclor 1254	357000		ug/kg	55300	--	2500	A
Aroclor 1260	ND		ug/kg	36800	--	2500	A
Aroclor 1262	ND		ug/kg	18400	--	2500	A
Aroclor 1268	ND		ug/kg	18400	--	2500	A

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

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
 Analytical Date: 02/24/14 15:16
 Analyst: KB

Extraction Method: EPA 3540C
 Extraction Date: 02/22/14 00:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 02/23/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 02/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 05,07 Batch: WG671700-1						
Aroclor 1016	ND		ug/kg	19.8	--	A
Aroclor 1221	ND		ug/kg	19.8	--	A
Aroclor 1232	ND		ug/kg	19.8	--	A
Aroclor 1242	ND		ug/kg	19.8	--	A
Aroclor 1248	ND		ug/kg	13.2	--	A
Aroclor 1254	ND		ug/kg	19.8	--	A
Aroclor 1260	ND		ug/kg	13.2	--	A
Aroclor 1262	ND		ug/kg	6.62	--	A
Aroclor 1268	ND		ug/kg	6.62	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 05,07 Batch: WG671700-2 WG671700-3									
Aroclor 1016	78		92		40-140	16		30	A
Aroclor 1260	80		98		40-140	20		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		93		30-150	A
Decachlorobiphenyl	78		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		87		30-150	B
Decachlorobiphenyl	91		103		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-05
Client ID: MW15D (26-28)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/20/14 15:00
Date Received: 02/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	02/21/14 20:31	30,2540G	RT



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1403908-07
Client ID: DUP-01
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/20/14 15:10
Date Received: 02/21/14
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	88.8		%	0.100	NA	1	-	02/21/14 20:31	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05,07 QC Batch ID: WG671685-1 QC Sample: L1403859-01 Client ID: DUP Sample						
Solids, Total	81.7	81.0	%	1		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/21/2014 18:28

Cooler Information Custody Seal Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403908-01A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403908-01B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403908-01C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403908-02A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-02B	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-02C	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-02D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	HOLD()
L1403908-03A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-03B	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-03C	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-03D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	HOLD()
L1403908-04A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-04B	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-04C	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-04D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	HOLD()
L1403908-05A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403908-05B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403908-05C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403908-05D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403908-06A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-06B	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-06C	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-06D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	HOLD()
L1403908-07A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403908-07B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1403908-07C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1403908-07D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)
L1403908-08A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-08B	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-08C	Vial water preserved	A	N/A	2.4	Y	Absent	HOLD-8260HLW(14)
L1403908-08D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	HOLD()

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1403908
Report Date: 02/28/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox

Project Location: New Bedford, MA

Project #: 39744051-20001

Project Manager: J. LeClair/M. Wade

ALPHA Quote #:

Date Rec'd in Lab: 2/21/14

ALPHA Job #: L1403908

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

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 _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 2/28/14

Additional Project Information:

CVOC only

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 824.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	AFCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	Total Solids	SAMPLE INFO	TOTAL # BOTTLES
	Filtration									
								Preservation		
								<input type="checkbox"/> Lab to do		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	Sample	Bottles	Comments	Total # Bottles	
		Date	Time							
03908 01	TB-10	2/20/14		TB		3		RUN	3	
02	MW15D (20-22)	↓	1430	S	JKH	3	1	X	HOLD	4
03	MW15D (22-24)		1435	S	JKH	3	1	X	HOLD	4
04	MW15D (24-26)		1455	S	JKH	3	1	X	HOLD	4
05	MW15D (26-28)		1500	S	JKH	3	1	X	RUN	4
06	MW15D (28-30)		1530	S	JKH	3	1	X	HOLD	4
07	DUP-01		1510	S	JKH	3	1	X	RUN	4
08	MW15D (30-31)		2/21/14	0800	S	JKH	3	1	X	HOLD

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₄
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type

V

Preservative

O

Relinquished By:

J. LeClair

Date/Time

2/21/14 1730

Received By:

E. Wade

Date/Time

2/21/14

All samples submitted are subject to Alpha Terms and Conditions. See reverse side.

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1403908

Instrument ID: Voal04.i Calibration Date: 25-FEB-2014 Time: 08:52

Lab File ID: 0225A02 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.2456	.21286	.1	-13	20	
chloromethane	.47699	.44139	.1	-7	20	
vinyl chloride	.38826	.41541	.1	7	20	
bromomethane	.22319	.25166	.1	13	20	
chloroethane	.19181	.23136	.1	21	20	F
trichlorofluoromethane	.38706	.51838	.1	34	20	F
ethyl ether	.12933	.14465	.05	12	20	
1,1,-dichloroethene	.2801	.31998	.1	14	20	
carbon disulfide	.87199	.92146	.1	6	20	
methylene chloride	.35034	.37963	.1	8	20	
acetone	100	105	.1	5	20	
trans-1,2-dichloroethene	.32209	.37606	.1	17	20	
methyl tert butyl ether	.77008	.84443	.1	10	20	
Diisopropyl Ether	1.3027	1.3857	.05	6	20	
1,1-dichloroethane	.63829	.72409	.2	13	20	
Ethyl-Tert-Butyl-Ether	1.1479	1.2773	.05	11	20	
cis-1,2-dichloroethene	.3552	.39865	.1	12	20	
2,2-dichloropropane	.42443	.52057	.05	23	20	F
bromochloromethane	.19052	.21261	.05	12	20	
chloroform	.53755	.63823	.2	19	20	
carbontetrachloride	.41565	.54629	.1	31	20	F
tetrahydrofuran	.12408	.12294	.05	-1	20	
1,1,1-trichloroethane	.47145	.59791	.1	27	20	F
2-butanone	.16494	.15023	.1	-9	20	
1,1-dichloropropene	.40701	.48082	.05	18	20	
benzene	1.2029	1.3169	.5	9	20	
Tertiary-Amyl Methyl Ether	.79998	.89757	.05	12	20	
1,2-dichloroethane	.42241	.47903	.1	13	20	
trichloroethene	.3358	.40256	.2	20	20	
dibromomethane	.19714	.21569	.05	9	20	
1,2-dichloropropane	.37464	.4105	.1	10	20	
bromodichloromethane	.41046	.48827	.2	19	20	
1,4-dioxane	.00317	.00309	.05	-3	20	F
cis-1,3-dichloropropene	.49373	.55596	.2	13	20	
toluene	.96163	.97764	.4	2	20	
tetrachloroethene	.47421	.5332	.2	12	20	
4-methyl-2-pentanone	.14818	.14568	.1	-2	20	
trans-1,3-dichloropropene	.52206	.52864	.1	1	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1403908

Instrument ID: Voal04.i Calibration Date: 25-FEB-2014 Time: 08:52

Lab File ID: 0225A02 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.2743	.26217	.1	-4	20
chlorodibromomethane	.44393	.45155	.1	2	20
1,3-dichloropropane	.53502	.50717	.05	-5	20
1,2-dibromoethane	.37021	.35897	.1	-3	20
2-hexanone	.31885	.25893	.1	-19	20
chlorobenzene	1.1447	1.1456	.5	0	20
ethyl benzene	1.8538	1.9134	.1	3	20
1,1,1,2-tetrachloroethane	.43944	.462	.05	5	20
p/m xylene	.74208	.76418	.1	3	20
o xylene	.70662	.71559	.3	1	20
styrene	1.1709	1.2000	.3	2	20
bromoform	.57654	.56298	.1	-2	20
isopropylbenzene	3.5665	3.5100	.1	-2	20
bromobenzene	1.0234	1.0022	.05	-2	20
n-propylbenzene	3.9208	3.8309	.05	-2	20
1,1,2,2,-tetrachloroethane	.85149	.71006	.3	-17	20
2-chlorotoluene	2.4872	2.4115	.05	-3	20
1,2,3-trichloropropane	.62086	.53217	.05	-14	20
1,3,5-trimethylbenzene	2.9418	2.9226	.05	-1	20
4-chlorotoluene	2.4315	2.3798	.05	-2	20
tert-butylbenzene	2.5877	2.5769	.05	0	20
1,2,4-trimethylbenzene	2.9827	2.9380	.05	-2	20
sec-butylbenzene	3.7584	3.7062	.05	-1	20
p-isopropyltoluene	3.2721	3.2722	.05	0	20
1,3-dichlorobenzene	1.8944	1.8656	.6	-2	20
1,4-dichlorobenzene	1.9144	1.8630	.5	-3	20
n-butylbenzene	2.6866	2.6820	.05	0	20
1,2-dichlorobenzene	1.7682	1.6843	.4	-5	20
1,2-dibromo-3-chloropropane	.1627	.14532	.05	-11	20
hexachlorobutadiene	.57947	.62622	.05	8	20
1,2,4-trichlorobenzene	1.2197	1.2284	.2	1	20
naphthalene	2.8293	2.4695	.05	-13	20
1,2,3-trichlorobenzene	1.1423	1.0984	.05	-4	20
dibromofluoromethane	.27073	.29188	.05	8	30
1,2-dichloroethane-d4	.25747	.26844	.05	4	30
toluene-d8	1.1871	1.1070	.05	-7	30
4-bromofluorobenzene	.83425	.81623	.05	-2	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1403908

Instrument ID: Voal04.i Calibration Date: 24-FEB-2014 Time: 07:45

Lab File ID: 0224A01 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane_____	.2456	.18494	.1	-25	20	F
chloromethane_____	.47699	.38978	.1	-18	20	
vinyl chloride_____	.38826	.37569	.1	-3	20	
bromomethane_____	.22319	.24189	.1	8	20	
chloroethane_____	.19181	.21711	.1	13	20	
trichlorofluoromethane_____	.38706	.49306	.1	27	20	F
ethyl ether_____	.12933	.14273	.05	10	20	
1,1,-dichloroethene_____	.2801	.30099	.1	7	20	
carbon disulfide_____	.87199	.85824	.1	-2	20	
methylene chloride_____	.35034	.34674	.1	-1	20	
acetone_____	100	110	.1	10	20	
trans-1,2-dichloroethene_____	.32209	.35056	.1	9	20	
methyl tert butyl ether_____	.77008	.82906	.1	8	20	
Diisopropyl Ether_____	1.3027	1.3351	.05	2	20	
1,1-dichloroethane_____	.63829	.68647	.2	8	20	
Ethyl-Tert-Butyl-Ether_____	1.1479	1.2505	.05	9	20	
cis-1,2-dichloroethene_____	.3552	.38546	.1	9	20	
2,2-dichloropropane_____	.42443	.50019	.05	18	20	
bromochloromethane_____	.19052	.2099	.05	10	20	
chloroform_____	.53755	.61164	.2	14	20	
carbontetrachloride_____	.41565	.50853	.1	22	20	F
tetrahydrofuran_____	.12408	.12525	.05	1	20	
1,1,1-trichloroethane_____	.47145	.56431	.1	20	20	
2-butanone_____	.16494	.15983	.1	-3	20	
1,1-dichloropropene_____	.40701	.45783	.05	12	20	
benzene_____	1.2029	1.2834	.5	7	20	
Tertiary-Amyl Methyl Ether_____	.79998	.90056	.05	13	20	
1,2-dichloroethane_____	.42241	.46975	.1	11	20	
trichloroethene_____	.3358	.37803	.2	13	20	
dibromomethane_____	.19714	.21569	.05	9	20	
1,2-dichloropropane_____	.37464	.40035	.1	7	20	
bromodichloromethane_____	.41046	.47722	.2	16	20	
1,4-dioxane_____	.00317	.00347	.05	9	20	F
cis-1,3-dichloropropene_____	.49373	.55453	.2	12	20	
toluene_____	.96163	.95599	.4	-1	20	
tetrachloroethene_____	.47421	.51718	.2	9	20	
4-methyl-2-pentanone_____	.14818	.16453	.1	11	20	
trans-1,3-dichloropropene_____	.52206	.53851	.1	3	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1403908

Instrument ID: Voal04.i Calibration Date: 24-FEB-2014 Time: 07:45

Lab File ID: 0224A01 Init. Calib. Date(s): 06-FEB-2 06-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 19:32 22:16

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.2743	.27091	.1	-1	20
chlorodibromomethane	.44393	.46411	.1	5	20
1,3-dichloropropane	.53502	.51742	.05	-3	20
1,2-dibromoethane	.37021	.36933	.1	0	20
2-hexanone	.31885	.29221	.1	-8	20
chlorobenzene	1.1447	1.1682	.5	2	20
ethyl benzene	1.8538	1.9241	.1	4	20
1,1,1,2-tetrachloroethane	.43944	.47477	.05	8	20
p/m xylene	.74208	.77151	.1	4	20
o xylene	.70662	.73618	.3	4	20
styrene	1.1709	1.2320	.3	5	20
bromoform	.57654	.59578	.1	3	20
isopropylbenzene	3.5665	3.7002	.1	4	20
bromobenzene	1.0234	1.0706	.05	5	20
n-propylbenzene	3.9208	4.0238	.05	3	20
1,1,2,2,-tetrachloroethane	.85149	.79931	.3	-6	20
2-chlorotoluene	2.4872	2.5432	.05	2	20
1,2,3-trichloropropane	.62086	.59054	.05	-5	20
1,3,5-trimethylbenzene	2.9418	3.0661	.05	4	20
4-chlorotoluene	2.4315	2.5209	.05	4	20
tert-butylbenzene	2.5877	2.7143	.05	5	20
1,2,4-trimethylbenzene	2.9827	3.0637	.05	3	20
sec-butylbenzene	3.7584	3.9229	.05	4	20
p-isopropyltoluene	3.2721	3.4065	.05	4	20
1,3-dichlorobenzene	1.8944	1.9288	.6	2	20
1,4-dichlorobenzene	1.9144	1.9456	.5	2	20
n-butylbenzene	2.6866	2.7444	.05	2	20
1,2-dichlorobenzene	1.7682	1.7768	.4	0	20
1,2-dibromo-3-chloropropane	.1627	.15089	.05	-7	20
hexachlorobutadiene	.57947	.64201	.05	11	20
1,2,4-trichlorobenzene	1.2197	1.2711	.2	4	20
naphthalene	2.8293	2.5989	.05	-8	20
1,2,3-trichlorobenzene	1.1423	1.1529	.05	1	20
dibromofluoromethane	.27073	.2867	.05	6	30
1,2-dichloroethane-d4	.25747	.25791	.05	0	30
toluene-d8	1.1871	1.1114	.05	-6	30
4-bromofluorobenzene	.83425	.84257	.05	1	30

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1404452
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	03/06/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404452-01	MW 7B (26-28)	NEW BEDFORD, MA	02/19/14 09:30

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

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

In reference to question H:


The continuing calibration standard, associated with L1404452-01, 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.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/06/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404452-01
 Client ID: MW 7B (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 03/04/14 15:38
 Analyst: MV
 Percent Solids: 86%

Date Collected: 02/19/14 09:30
 Date Received: 02/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	850	--	1
1,1-Dichloroethane	ND		ug/kg	130	--	1
Chloroform	ND		ug/kg	130	--	1
Carbon tetrachloride	ND		ug/kg	85	--	1
1,2-Dichloropropane	ND		ug/kg	300	--	1
Dibromochloromethane	ND		ug/kg	85	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	85	--	1
Chlorobenzene	ND		ug/kg	85	--	1
1,2-Dichloroethane	ND		ug/kg	85	--	1
1,1,1-Trichloroethane	ND		ug/kg	85	--	1
Bromodichloromethane	ND		ug/kg	85	--	1
trans-1,3-Dichloropropene	ND		ug/kg	85	--	1
cis-1,3-Dichloropropene	ND		ug/kg	85	--	1
Bromoform	ND		ug/kg	340	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	85	--	1
Chloromethane	ND		ug/kg	340	--	1
Vinyl chloride	ND		ug/kg	170	--	1
Chloroethane	ND		ug/kg	170	--	1
1,1-Dichloroethene	ND		ug/kg	85	--	1
trans-1,2-Dichloroethene	ND		ug/kg	130	--	1
Trichloroethene	1300		ug/kg	85	--	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
cis-1,2-Dichloroethene	90		ug/kg	85	--	1
Dichlorodifluoromethane	ND		ug/kg	850	--	1
1,2-Dibromoethane	ND		ug/kg	340	--	1
1,3-Dichloropropane	ND		ug/kg	340	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	85	--	1
o-Chlorotoluene	ND		ug/kg	340	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404452-01
 Client ID: MW 7B (26-28)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/19/14 09:30
 Date Received: 02/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	340	--	1
Hexachlorobutadiene	ND		ug/kg	340	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/04/14 14:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG673683-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/04/14 14:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG673683-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/04/14 14:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG673683-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

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: WG673683-1 WG673683-2								
Methylene chloride	109		116		70-130	6		20
1,1-Dichloroethane	114		119		70-130	4		20
Chloroform	114		119		70-130	4		20
Carbon tetrachloride	121		125		70-130	3		20
1,2-Dichloropropane	112		117		70-130	4		20
Dibromochloromethane	90		96		70-130	6		20
1,1,2-Trichloroethane	95		100		70-130	5		20
Tetrachloroethene	98		100		70-130	2		20
Chlorobenzene	96		100		70-130	4		20
Trichlorofluoromethane	126		128		70-130	2		20
1,2-Dichloroethane	113		119		70-130	5		20
1,1,1-Trichloroethane	115		119		70-130	3		20
Bromodichloromethane	112		117		70-130	4		20
trans-1,3-Dichloropropene	93		97		70-130	4		20
cis-1,3-Dichloropropene	109		112		70-130	3		20
1,1-Dichloropropene	117		122		70-130	4		20
Bromoform	81		87		70-130	7		20
1,1,2,2-Tetrachloroethane	87		93		70-130	7		20
Benzene	111		116		70-130	4		20
Toluene	95		98		70-130	3		20
Ethylbenzene	96		100		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

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: WG673683-1 WG673683-2								
Chloromethane	93		97		70-130	4		20
Bromomethane	136	Q	137	Q	70-130	1		20
Vinyl chloride	102		104		70-130	2		20
Chloroethane	111		118		70-130	6		20
1,1-Dichloroethene	113		118		70-130	4		20
trans-1,2-Dichloroethene	115		119		70-130	3		20
Trichloroethene	116		117		70-130	1		20
1,2-Dichlorobenzene	91		93		70-130	2		20
1,3-Dichlorobenzene	94		94		70-130	0		20
1,4-Dichlorobenzene	93		94		70-130	1		20
Methyl tert butyl ether	102		109		70-130	7		20
p/m-Xylene	96		99		70-130	3		20
o-Xylene	94		97		70-130	3		20
cis-1,2-Dichloroethene	110		115		70-130	4		20
Dibromomethane	112		118		70-130	5		20
1,2,3-Trichloropropane	87		96		70-130	10		20
Styrene	94		97		70-130	3		20
Dichlorodifluoromethane	82		86		70-130	5		20
Acetone	98		116		70-130	17		20
Carbon disulfide	112		116		70-130	4		20
Methyl ethyl ketone	94		106		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

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: WG673683-1 WG673683-2								
Methyl isobutyl ketone	90		103		70-130	13		20
2-Hexanone	67	Q	78		70-130	15		20
Bromochloromethane	111		115		70-130	4		20
Tetrahydrofuran	90		101		70-130	12		20
2,2-Dichloropropane	113		116		70-130	3		20
1,2-Dibromoethane	91		98		70-130	7		20
1,3-Dichloropropane	93		98		70-130	5		20
1,1,1,2-Tetrachloroethane	94		98		70-130	4		20
Bromobenzene	87		89		70-130	2		20
n-Butylbenzene	101		102		70-130	1		20
sec-Butylbenzene	95		96		70-130	1		20
tert-Butylbenzene	90		92		70-130	2		20
o-Chlorotoluene	95		97		70-130	2		20
p-Chlorotoluene	94		95		70-130	1		20
1,2-Dibromo-3-chloropropane	81		91		70-130	12		20
Hexachlorobutadiene	90		92		70-130	2		20
Isopropylbenzene	90		92		70-130	2		20
p-Isopropyltoluene	95		96		70-130	1		20
Naphthalene	82		89		70-130	8		20
n-Propylbenzene	95		96		70-130	1		20
1,2,3-Trichlorobenzene	88		91		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG673683-1 WG673683-2								
1,2,4-Trichlorobenzene	94		94		70-130	0		20
1,3,5-Trimethylbenzene	93		94		70-130	1		20
1,2,4-Trimethylbenzene	93		95		70-130	2		20
Diethyl ether	105		113		70-130	7		20
Diisopropyl Ether	103		107		70-130	4		20
Ethyl-Tert-Butyl-Ether	103		108		70-130	5		20
Tertiary-Amyl Methyl Ether	99		104		70-130	5		20
1,4-Dioxane	100		116		70-130	15		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	90		90		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	106		106		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404452-01
 Client ID: MW 7B (26-28)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 03/05/14 12:33
 Analyst: JW
 Percent Solids: 86%

Date Collected: 02/19/14 09:30
 Date Received: 02/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 03/04/14 01:25
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/05/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/05/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.4	--	1	A
Aroclor 1221	ND		ug/kg	22.4	--	1	A
Aroclor 1232	ND		ug/kg	22.4	--	1	A
Aroclor 1242	ND		ug/kg	22.4	--	1	A
Aroclor 1248	215		ug/kg	14.9	--	1	B
Aroclor 1254	373		ug/kg	22.4	--	1	B
Aroclor 1260	ND		ug/kg	14.9	--	1	A
Aroclor 1262	ND		ug/kg	7.47	--	1	A
Aroclor 1268	ND		ug/kg	7.47	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
Analytical Date: 03/05/14 12:46
Analyst: JW

Extraction Method: EPA 3540C
Extraction Date: 03/04/14 01:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/05/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/05/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG673390-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.51	--	A
Aroclor 1268	ND		ug/kg	6.51	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG673390-2 WG673390-3									
Aroclor 1016	69		65		40-140	6		30	A
Aroclor 1260	69		64		40-140	8		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	69		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		69		30-150	B
Decachlorobiphenyl	73		67		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404452-01
Client ID: MW 7B (26-28)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/19/14 09:30
Date Received: 02/19/14
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	86.0		%	0.100	NA	1	-	03/03/14 20:37	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673365-1 QC Sample: L1404347-01 Client ID: DUP Sample						
Solids, Total	95.0	95.5	%	1		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/19/2014 17:25

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404452-01A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1404452-01B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1404452-01C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1404452-01D	Amber 120ml unpreserved	A	N/A	4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404452
Report Date: 03/06/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1404452



CHAIN OF CUSTODY

PAGE _____ OF _____

Date Rec'd in Lab: 2/19/14

ALPHA Job #: L1403682 @

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerowax

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #

Client Information

Client: URS Corp
Address: 1155 Elm St, Suite 401
Manchester NH 03101
Phone: 603-606-4800
Email: judith.leclair@urs.com

Project Location: New Bedford, MA

Project #: 39744051.20001
Project Manager: Judy LeClair / M. Wade
ALPHA Quote #:

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

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 2/26/14 3/10/14

ANALYSIS	SVOC: <input checked="" type="checkbox"/> B200 <input checked="" type="checkbox"/> B24 <input type="checkbox"/> B242	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP-13 <input type="checkbox"/> MCP-14 <input type="checkbox"/> DRCP-15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS8 <input type="checkbox"/> RCRAS13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TOTAL # BOTTLES	SAMPLE INFO
									Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do

Additional Project Information:

8V&C list only
02-2014

Mg 2-2014 all additions to COS per Judith LeClair CURS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Fingerprint	Sample Comments	TOTAL # BOTTLES
		Date	Time													
03022-01	MW 7B (2-4)	2/18/14	0950	Soil	JAE	X					X	X			Hold	4
04159-02	MW 7B (10-12)		1220												Hold	4
04159-03	MW 7B (12-14)		1300											Hold		
04159-04	MW 7B (18-20)		1345											Hold		
04159-05	MW 7B (20-22)		1400											Hold		
04159-06	MW 7B (26-28)	2/19/14	0930	Soil	JAE	X					X	X	X	Hold		
04159-08	MW 7B (6-8)	2/18/14	11:10	Soil		X					X	X		HOLD	3	
04159-07	TB-08	2/18/14	0800	Trip Blank	JAC	X										
Container Type		Preservative		Container Type		Preservative										

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encase
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Relinquished By: [Signature] Date/Time: 2/19/14 1430
Received By: [Signature] Date/Time: 2/19/14

All samples submitted are subject to Alpha's Terms and Conditions. Please see reverse side.
FORM NO: 01.01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1404452

Instrument ID: Voal00.i Calibration Date: 04-MAR-2014 Time: 12:36

Lab File ID: 0304B02 Init. Calib. Date(s): 07-FEB-2 07-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 17:12 20:01

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
dichlorodifluoromethane	.32709	.26773	.1	-18	20
chloromethane	.42666	.39652	.1	-7	20
vinyl chloride	.48313	.49313	.1	2	20
bromomethane	100	136	.1	36	20
chloroethane	.33847	.37571	.1	11	20
trichlorofluoromethane	.69702	.88107	.1	26	20
ethyl ether	.26135	.27393	.05	5	20
1,1,-dichloroethene	.36923	.41831	.1	13	20
carbon disulfide	1.1880	1.3295	.1	12	20
methylene chloride	.47933	.52206	.1	9	20
acetone	100	98.205	.1	-2	20
trans-1,2-dichloroethene	.43038	.49384	.1	15	20
methyl tert butyl ether	1.1299	1.1512	.1	2	20
Diisopropyl Ether	1.2985	1.3377	.05	3	20
1,1-dichloroethane	.7552	.8637	.2	14	20
Ethyl-Tert-Butyl-Ether	1.3004	1.3353	.05	3	20
cis-1,2-dichloroethene	.46701	.51367	.1	10	20
2,2-dichloropropane	.62023	.70039	.05	13	20
bromochloromethane	.22817	.25253	.05	11	20
chloroform	.75854	.86256	.2	14	20
carbontetrachloride	.5421	.65493	.1	21	20
tetrahydrofuran	.12092	.10891	.05	-10	20
1,1,1-trichloroethane	.64437	.74175	.1	15	20
2-butanone	.18948	.17794	.1	-6	20
1,1-dichloropropene	.57409	.67223	.05	17	20
benzene	1.6787	1.8709	.5	11	20
Tertiary-Amyl Methyl Ether	1.1643	1.1479	.05	-1	20
1,2-dichloroethane	.54376	.61282	.1	13	20
trichloroethene	.43398	.50208	.2	16	20
dibromomethane	.26217	.29421	.05	12	20
1,2-dichloropropane	.41913	.47057	.1	12	20
bromodichloromethane	.58389	.65123	.2	12	20
1,4-dioxane	5000	4989	.05	0	20
cis-1,3-dichloropropene	.68457	.74372	.2	9	20
toluene	1.4822	1.4067	.4	-5	20
4-methyl-2-pentanone	.15354	.13774	.1	-10	20
tetrachloroethene	.60018	.58903	.2	-2	20
trans-1,3-dichloropropene	.88197	.82005	.1	-7	20

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1404452

Instrument ID: Voal00.i Calibration Date: 04-MAR-2014 Time: 12:36

Lab File ID: 0304B02 Init. Calib. Date(s): 07-FEB-2 07-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 17:12 20:01

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.42668	.40563	.1	-5	20
chlorodibromomethane	.63005	.56591	.1	-10	20
1,3-dichloropropane	.89011	.83011	.05	-7	20
1,2-dibromoethane	.52827	.4802	.1	-9	20
2-hexanone	.42532	.28593	.1	-33	20
chlorobenzene	1.6680	1.6088	.5	-4	20
ethyl benzene	2.8021	2.6811	.1	-4	20
1,1,1,2-tetrachloroethane	.61042	.57174	.05	-6	20
p/m xylene	1.1159	1.0732	.1	-4	20
o xylene	1.0741	1.0050	.3	-6	20
styrene	1.8170	1.7032	.3	-6	20
bromoform	.79587	.64678	.1	-19	20
isopropylbenzene	5.4006	4.8776	.1	-10	20
bromobenzene	1.3083	1.1433	.05	-13	20
n-propylbenzene	5.9943	5.7210	.05	-5	20
1,1,2,2,-tetrachloroethane	1.3558	1.1829	.3	-13	20
2-chlorotoluene	4.0139	3.8169	.05	-5	20
1,3,5-trimethylbenzene	4.5327	4.2074	.05	-7	20
1,2,3-trichloropropane	1.1091	.96927	.05	-13	20
4-chlorotoluene	3.7034	3.4855	.05	-6	20
tert-butylbenzene	3.8615	3.4941	.05	-10	20
1,2,4-trimethylbenzene	4.5715	4.2486	.05	-7	20
sec-butylbenzene	5.8222	5.5549	.05	-5	20
p-isopropyltoluene	4.808	4.5524	.05	-5	20
1,3-dichlorobenzene	2.5144	2.3621	.6	-6	20
1,4-dichlorobenzene	2.5167	2.3508	.5	-7	20
n-butylbenzene	4.1924	4.2442	.05	1	20
1,2-dichlorobenzene	2.3705	2.1528	.4	-9	20
1,2-dibromo-3-chloropropane	.21668	.17578	.05	-19	20
hexachlorobutadiene	.75964	.68062	.05	-10	20
1,2,4-trichlorobenzene	1.4836	1.3972	.2	-6	20
naphthalene	3.9231	3.2161	.05	-18	20
1,2,3-trichlorobenzene	1.4159	1.2466	.05	-12	20
dibromofluoromethane	.25067	.26638	.05	6	30
1,2-dichloroethane-d4	.25842	.25988	.05	1	30
toluene-d8	1.2786	1.1453	.05	-10	30
4-bromofluorobenzene	.89869	.87922	.05	-2	30

F

FORM VII MCP-8260HLW-10



ANALYTICAL REPORT

Lab Number:	L1404587
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20001
Report Date:	03/10/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404587-01	MW15D (20-22)	NEW BEDFORD, MA	02/20/14 14:30

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

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

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.


PCBs

In reference to question H:

The surrogate recoveries for L1404587-01 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/10/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

SAMPLE RESULTS

Lab ID: L1404587-01
 Client ID: MW15D (20-22)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8260C
 Analytical Date: 03/06/14 09:51
 Analyst: BN
 Percent Solids: 85%

Date Collected: 02/20/14 14:30
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	540	--	1
1,1-Dichloroethane	ND		ug/kg	80	--	1
Chloroform	ND		ug/kg	80	--	1
Carbon tetrachloride	ND		ug/kg	54	--	1
1,2-Dichloropropane	ND		ug/kg	190	--	1
Dibromochloromethane	ND		ug/kg	54	--	1
1,1,2-Trichloroethane	ND		ug/kg	80	--	1
Tetrachloroethene	120		ug/kg	54	--	1
Chlorobenzene	ND		ug/kg	54	--	1
1,2-Dichloroethane	ND		ug/kg	54	--	1
1,1,1-Trichloroethane	ND		ug/kg	54	--	1
Bromodichloromethane	ND		ug/kg	54	--	1
trans-1,3-Dichloropropene	ND		ug/kg	54	--	1
cis-1,3-Dichloropropene	ND		ug/kg	54	--	1
Bromoform	ND		ug/kg	210	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	54	--	1
Chloromethane	ND		ug/kg	210	--	1
Vinyl chloride	ND		ug/kg	110	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	54	--	1
trans-1,2-Dichloroethene	ND		ug/kg	80	--	1
Trichloroethene	6400		ug/kg	54	--	1
1,2-Dichlorobenzene	ND		ug/kg	210	--	1
1,3-Dichlorobenzene	ND		ug/kg	210	--	1
1,4-Dichlorobenzene	440		ug/kg	210	--	1
cis-1,2-Dichloroethene	120		ug/kg	54	--	1
Dichlorodifluoromethane	ND		ug/kg	540	--	1
1,2-Dibromoethane	ND		ug/kg	210	--	1
1,3-Dichloropropane	ND		ug/kg	210	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	54	--	1
o-Chlorotoluene	ND		ug/kg	210	--	1

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

SAMPLE RESULTS

Lab ID: L1404587-01
 Client ID: MW15D (20-22)
 Sample Location: NEW BEDFORD, MA

Date Collected: 02/20/14 14:30
 Date Received: 02/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
1,2,4-Trichlorobenzene	5000		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/06/14 09:24
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG674251-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/06/14 09:24
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG674251-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 03/06/14 09:24
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG674251-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

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: WG674251-1 WG674251-2								
Methylene chloride	85		85		70-130	0		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	95		98		70-130	3		20
Carbon tetrachloride	107		109		70-130	2		20
1,2-Dichloropropane	91		94		70-130	3		20
Dibromochloromethane	100		102		70-130	2		20
1,1,2-Trichloroethane	93		92		70-130	1		20
Tetrachloroethene	112		112		70-130	0		20
Chlorobenzene	101		101		70-130	0		20
Trichlorofluoromethane	117		117		70-130	0		20
1,2-Dichloroethane	94		96		70-130	2		20
1,1,1-Trichloroethane	105		106		70-130	1		20
Bromodichloromethane	96		99		70-130	3		20
trans-1,3-Dichloropropene	93		94		70-130	1		20
cis-1,3-Dichloropropene	88		89		70-130	1		20
1,1-Dichloropropene	94		95		70-130	1		20
Bromoform	95		99		70-130	4		20
1,1,2,2-Tetrachloroethane	86		91		70-130	6		20
Benzene	86		88		70-130	2		20
Toluene	96		96		70-130	0		20
Ethylbenzene	98		97		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

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: WG674251-1 WG674251-2								
Chloromethane	101		94		70-130	7		20
Bromomethane	100		100		70-130	0		20
Vinyl chloride	103		103		70-130	0		20
Chloroethane	102		102		70-130	0		20
1,1-Dichloroethene	99		102		70-130	3		20
trans-1,2-Dichloroethene	97		98		70-130	1		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	99		101		70-130	2		20
1,3-Dichlorobenzene	101		102		70-130	1		20
1,4-Dichlorobenzene	100		102		70-130	2		20
Methyl tert butyl ether	82		84		70-130	2		20
p/m-Xylene	102		101		70-130	1		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	93		96		70-130	3		20
Dibromomethane	86		88		70-130	2		20
1,2,3-Trichloropropane	82		85		70-130	4		20
Styrene	98		98		70-130	0		20
Dichlorodifluoromethane	86		85		70-130	1		20
Acetone	89		85		70-130	5		20
Carbon disulfide	86		87		70-130	1		20
Methyl ethyl ketone	89		90		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

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: WG674251-1 WG674251-2								
Methyl isobutyl ketone	89		91		70-130	2		20
2-Hexanone	94		90		70-130	4		20
Bromochloromethane	93		95		70-130	2		20
Tetrahydrofuran	88		91		70-130	3		20
2,2-Dichloropropane	100		100		70-130	0		20
1,2-Dibromoethane	97		99		70-130	2		20
1,3-Dichloropropane	88		89		70-130	1		20
1,1,1,2-Tetrachloroethane	106		105		70-130	1		20
Bromobenzene	95		100		70-130	5		20
n-Butylbenzene	104		102		70-130	2		20
sec-Butylbenzene	100		102		70-130	2		20
tert-Butylbenzene	104		106		70-130	2		20
o-Chlorotoluene	94		98		70-130	4		20
p-Chlorotoluene	96		99		70-130	3		20
1,2-Dibromo-3-chloropropane	86		90		70-130	5		20
Hexachlorobutadiene	110		116		70-130	5		20
Isopropylbenzene	95		99		70-130	4		20
p-Isopropyltoluene	107		108		70-130	1		20
Naphthalene	86		94		70-130	9		20
n-Propylbenzene	97		100		70-130	3		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

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: WG674251-1 WG674251-2								
1,2,4-Trichlorobenzene	97		104		70-130	7		20
1,3,5-Trimethylbenzene	98		101		70-130	3		20
1,2,4-Trimethylbenzene	98		100		70-130	2		20
Diethyl ether	85		86		70-130	1		20
Diisopropyl Ether	97		99		70-130	2		20
Ethyl-Tert-Butyl-Ether	97		100		70-130	3		20
Tertiary-Amyl Methyl Ether	86		88		70-130	2		20
1,4-Dioxane	81		82		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	101		102		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

SAMPLE RESULTS

Lab ID: L1404587-01 D
 Client ID: MW15D (20-22)
 Sample Location: NEW BEDFORD, MA
 Matrix: Soil
 Analytical Method: 97,8082
 Analytical Date: 03/07/14 11:27
 Analyst: JW
 Percent Solids: 85%

Date Collected: 02/20/14 14:30
 Date Received: 02/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 03/05/14 18:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/07/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	11700	--	500	A
Aroclor 1221	ND		ug/kg	11700	--	500	A
Aroclor 1232	ND		ug/kg	11700	--	500	A
Aroclor 1242	180000		ug/kg	11700	--	500	B
Aroclor 1248	ND		ug/kg	7780	--	500	A
Aroclor 1254	66500		ug/kg	11700	--	500	A
Aroclor 1260	ND		ug/kg	7780	--	500	A
Aroclor 1262	ND		ug/kg	3890	--	500	A
Aroclor 1268	ND		ug/kg	3890	--	500	A

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

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
Analytical Date: 03/07/14 10:50
Analyst: JW

Extraction Method: EPA 3540C
Extraction Date: 03/05/14 18:45
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/07/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/07/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG673827-1						
Aroclor 1016	ND		ug/kg	19.5	--	A
Aroclor 1221	ND		ug/kg	19.5	--	A
Aroclor 1232	ND		ug/kg	19.5	--	A
Aroclor 1242	ND		ug/kg	19.5	--	A
Aroclor 1248	ND		ug/kg	13.0	--	A
Aroclor 1254	ND		ug/kg	19.5	--	A
Aroclor 1260	ND		ug/kg	13.0	--	A
Aroclor 1262	ND		ug/kg	6.51	--	A
Aroclor 1268	ND		ug/kg	6.51	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG673827-2 WG673827-3									
Aroclor 1016	83		48		40-140	53	Q	30	A
Aroclor 1260	81		65		40-140	22		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		39		30-150	A
Decachlorobiphenyl	87		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		43		30-150	B
Decachlorobiphenyl	85		77		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

SAMPLE RESULTS

Lab ID: L1404587-01
Client ID: MW15D (20-22)
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/20/14 14:30
Date Received: 02/21/14
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	84.8		%	0.100	NA	1	-	03/06/14 01:16	30,2540G	RT



Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673920-1 QC Sample: L1404587-01 Client ID: MW15D (20-22)						
Solids, Total	84.8	82.9	%	2		20

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/21/2014 18:28

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404587-01A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1404587-01B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1404587-01C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1404587-01D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),MCP-8082LL-10-3540C(365)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20001

Lab Number: L1404587
Report Date: 03/10/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/2/14 ALPHA Job #: 14403908

8 Walkup Drive
Weatboro, MA 01581
Tel: 608-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 608-822-9300

Project Information

Project Name: Aerovox
Project Location: New Bedford, MA
Project #: 39744051.20001
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: 2/28/14
3/12/14

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

Additional Project Information:
CVOC only

ANALYSIS

CVOC: 6260 624 6242
SVOC: ASB PAH
METALS: MCP 13 MCP 14 RCP 15
METALS: RCRA5 RCRA8 PP13
EPH: Ranges & Targets Ranges Only
VPH: Ranges & Targets Ranges Only
 PCB PEST
TPH: Quant Only Fingerprint
Total Solids

SAMPLE INFO

Filtration
 Field
 Lab to do
Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CVOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	Total Solids	SAMPLE INFO	TOTAL # BOTTLES
		Date	Time													
<u>03908-01</u>	<u>TB-10</u>	<u>2/20/14</u>		<u>TB</u>											<u>RUN</u>	<u>3</u>
<u>03908-02</u>	<u>MW15D (20-22)</u>		<u>1430</u>	<u>S</u>	<u>JKH</u>										<u>HOLD</u>	<u>4</u>
<u>03908-03</u>	<u>MW15D (22-24)</u>		<u>1435</u>	<u>S</u>	<u>JKH</u>										<u>HOLD</u>	<u>4</u>
<u>03908-04</u>	<u>MW15D (24-26)</u>		<u>1455</u>	<u>S</u>	<u>JKH</u>										<u>HOLD</u>	<u>4</u>
<u>03908-05</u>	<u>MW15D (26-28)</u>		<u>1500</u>	<u>S</u>	<u>JKH</u>										<u>RUN</u>	<u>4</u>
<u>03908-06</u>	<u>MW15D (28-30)</u>		<u>1530</u>	<u>S</u>	<u>JKH</u>										<u>HOLD</u>	<u>4</u>
<u>03908-07</u>	<u>DUP-01</u>		<u>1510</u>	<u>S</u>	<u>JKH</u>										<u>RUN</u>	<u>4</u>
<u>03908-08</u>	<u>MW15D (30-31)</u>	<u>2/21/14</u>	<u>0800</u>	<u>S</u>	<u>JKH</u>										<u>HOLD</u>	<u>4</u>

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cups
O= Other

Preservative
A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= NaOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type: V
Preservative: 0
6
A

Relinquished By: Jeffrey H. Houshman Date/Time: 2/2/14 1730
Received By: E. [Signature] Date/Time: 2/2/14

All samples submitted are subject to Alpha Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



ANALYTICAL REPORT

Lab Number:	L1405567
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	3974405.20003
Report Date:	03/24/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405567-01	TB-01	NEW BEDFORD, MA	03/17/14 00:00
L1405567-02	AX-GW-MW101B-031714	NEW BEDFORD, MA	03/17/14 14:10
L1405567-03	AX-GW-GZ1-031714	NEW BEDFORD, MA	03/17/14 15:00
L1405567-04	AX-GW-GZ101S-031714	NEW BEDFORD, MA	03/17/14 15:25
L1405567-05	AX-GW-GZ101D-031814	NEW BEDFORD, MA	03/18/14 09:00
L1405567-06	AX-GW-GZ4A-031814	NEW BEDFORD, MA	03/18/14 09:45
L1405567-07	AX-GW-MW18S-031814	NEW BEDFORD, MA	03/18/14 10:45
L1405567-08	AX-GW-MW18D-031814	NEW BEDFORD, MA	03/18/14 11:40

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

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

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



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L1405567-02 and -05 through -08: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The continuing calibration standards, associated with L1405567-01 through -08, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as addenda to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

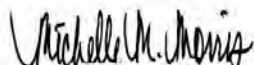
L1405567-08 contains peaks which match the retention times for aroclor 1242, but do not match the area ratios typical for this aroclor. The result for aroclor 1242 is reported as "weathered".

In reference to question G:

L1405567-08: 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: 03/24/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-01
 Client ID: TB-01
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/20/14 08:58
 Analyst: MM

Date Collected: 03/17/14 00:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-01
 Client ID: TB-01
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/17/14 00:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-02 D
 Client ID: AX-GW-MW101B-031714
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/20/14 16:03
 Analyst: MM

Date Collected: 03/17/14 14:10
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	200	--	100
1,1-Dichloroethane	ND		ug/l	100	--	100
Chloroform	ND		ug/l	100	--	100
Carbon tetrachloride	ND		ug/l	100	--	100
1,2-Dichloropropane	ND		ug/l	100	--	100
Dibromochloromethane	ND		ug/l	100	--	100
1,1,2-Trichloroethane	ND		ug/l	100	--	100
Tetrachloroethene	ND		ug/l	100	--	100
Chlorobenzene	ND		ug/l	100	--	100
1,2-Dichloroethane	ND		ug/l	100	--	100
1,1,1-Trichloroethane	ND		ug/l	100	--	100
Bromodichloromethane	ND		ug/l	100	--	100
trans-1,3-Dichloropropene	ND		ug/l	50	--	100
cis-1,3-Dichloropropene	ND		ug/l	50	--	100
Bromoform	ND		ug/l	200	--	100
1,1,2,2-Tetrachloroethane	ND		ug/l	100	--	100
Chloromethane	ND		ug/l	200	--	100
Vinyl chloride	ND		ug/l	100	--	100
Chloroethane	ND		ug/l	200	--	100
1,1-Dichloroethene	ND		ug/l	100	--	100
trans-1,2-Dichloroethene	ND		ug/l	100	--	100
Trichloroethene	7400		ug/l	100	--	100
1,2-Dichlorobenzene	ND		ug/l	100	--	100
1,3-Dichlorobenzene	ND		ug/l	100	--	100
1,4-Dichlorobenzene	ND		ug/l	100	--	100
cis-1,2-Dichloroethene	1800		ug/l	100	--	100
Dichlorodifluoromethane	ND		ug/l	200	--	100
1,2-Dibromoethane	ND		ug/l	200	--	100
1,3-Dichloropropane	ND		ug/l	200	--	100
1,1,1,2-Tetrachloroethane	ND		ug/l	100	--	100
o-Chlorotoluene	ND		ug/l	200	--	100

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-02 D
 Client ID: AX-GW-MW101B-031714
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/17/14 14:10
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	200	--	100
Hexachlorobutadiene	ND		ug/l	60	--	100
1,2,4-Trichlorobenzene	ND		ug/l	200	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-03
 Client ID: AX-GW-GZ1-031714
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/20/14 16:36
 Analyst: MM

Date Collected: 03/17/14 15:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	5.3		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-03
 Client ID: AX-GW-GZ1-031714
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/17/14 15:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-04
 Client ID: AX-GW-GZ101S-031714
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/20/14 17:09
 Analyst: MM

Date Collected: 03/17/14 15:25
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	4.2		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	17		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	4.2		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-04
 Client ID: AX-GW-GZ101S-031714
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/17/14 15:25
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-05 D
 Client ID: AX-GW-GZ101D-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/20/14 13:42
 Analyst: MM

Date Collected: 03/18/14 09:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	4.0	--	2
1,1-Dichloroethane	ND		ug/l	2.0	--	2
Chloroform	ND		ug/l	2.0	--	2
Carbon tetrachloride	ND		ug/l	2.0	--	2
1,2-Dichloropropane	ND		ug/l	2.0	--	2
Dibromochloromethane	ND		ug/l	2.0	--	2
1,1,2-Trichloroethane	ND		ug/l	2.0	--	2
Tetrachloroethene	ND		ug/l	2.0	--	2
Chlorobenzene	ND		ug/l	2.0	--	2
1,2-Dichloroethane	ND		ug/l	2.0	--	2
1,1,1-Trichloroethane	ND		ug/l	2.0	--	2
Bromodichloromethane	ND		ug/l	2.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	--	2
Chloromethane	ND		ug/l	4.0	--	2
Vinyl chloride	ND		ug/l	2.0	--	2
Chloroethane	ND		ug/l	4.0	--	2
1,1-Dichloroethene	ND		ug/l	2.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	2.0	--	2
Trichloroethene	180		ug/l	2.0	--	2
1,2-Dichlorobenzene	ND		ug/l	2.0	--	2
1,3-Dichlorobenzene	ND		ug/l	2.0	--	2
1,4-Dichlorobenzene	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	47		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	4.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,3-Dichloropropane	ND		ug/l	4.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	2.0	--	2
o-Chlorotoluene	ND		ug/l	4.0	--	2

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-05 D
 Client ID: AX-GW-GZ101D-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 09:00
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	4.0	--	2
Hexachlorobutadiene	ND		ug/l	1.2	--	2
1,2,4-Trichlorobenzene	ND		ug/l	4.0	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	111		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-06 D
 Client ID: AX-GW-GZ4A-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/20/14 13:10
 Analyst: MM

Date Collected: 03/18/14 09:45
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	4.0	--	2
1,1-Dichloroethane	ND		ug/l	2.0	--	2
Chloroform	ND		ug/l	2.0	--	2
Carbon tetrachloride	ND		ug/l	2.0	--	2
1,2-Dichloropropane	ND		ug/l	2.0	--	2
Dibromochloromethane	ND		ug/l	2.0	--	2
1,1,2-Trichloroethane	ND		ug/l	2.0	--	2
Tetrachloroethene	ND		ug/l	2.0	--	2
Chlorobenzene	ND		ug/l	2.0	--	2
1,2-Dichloroethane	ND		ug/l	2.0	--	2
1,1,1-Trichloroethane	ND		ug/l	2.0	--	2
Bromodichloromethane	ND		ug/l	2.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	--	2
Chloromethane	ND		ug/l	4.0	--	2
Vinyl chloride	ND		ug/l	2.0	--	2
Chloroethane	ND		ug/l	4.0	--	2
1,1-Dichloroethene	ND		ug/l	2.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	2.0	--	2
Trichloroethene	140		ug/l	2.0	--	2
1,2-Dichlorobenzene	ND		ug/l	2.0	--	2
1,3-Dichlorobenzene	ND		ug/l	2.0	--	2
1,4-Dichlorobenzene	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	40		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	4.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,3-Dichloropropane	ND		ug/l	4.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	2.0	--	2
o-Chlorotoluene	ND		ug/l	4.0	--	2

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-06 D
 Client ID: AX-GW-GZ4A-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 09:45
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	4.0	--	2
Hexachlorobutadiene	ND		ug/l	1.2	--	2
1,2,4-Trichlorobenzene	ND		ug/l	4.0	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-07 D
 Client ID: AX-GW-MW18S-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/21/14 17:01
 Analyst: MM

Date Collected: 03/18/14 10:45
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	20	--	10
1,1-Dichloroethane	ND		ug/l	10	--	10
Chloroform	ND		ug/l	10	--	10
Carbon tetrachloride	ND		ug/l	10	--	10
1,2-Dichloropropane	ND		ug/l	10	--	10
Dibromochloromethane	ND		ug/l	10	--	10
1,1,2-Trichloroethane	ND		ug/l	10	--	10
Tetrachloroethene	ND		ug/l	10	--	10
Chlorobenzene	ND		ug/l	10	--	10
1,2-Dichloroethane	ND		ug/l	10	--	10
1,1,1-Trichloroethane	ND		ug/l	10	--	10
Bromodichloromethane	ND		ug/l	10	--	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	--	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	--	10
Bromoform	ND		ug/l	20	--	10
1,1,2,2-Tetrachloroethane	ND		ug/l	10	--	10
Chloromethane	ND		ug/l	20	--	10
Vinyl chloride	ND		ug/l	10	--	10
Chloroethane	ND		ug/l	20	--	10
1,1-Dichloroethene	ND		ug/l	10	--	10
trans-1,2-Dichloroethene	ND		ug/l	10	--	10
Trichloroethene	950		ug/l	10	--	10
1,2-Dichlorobenzene	ND		ug/l	10	--	10
1,3-Dichlorobenzene	ND		ug/l	10	--	10
1,4-Dichlorobenzene	ND		ug/l	10	--	10
cis-1,2-Dichloroethene	330		ug/l	10	--	10
Dichlorodifluoromethane	ND		ug/l	20	--	10
1,2-Dibromoethane	ND		ug/l	20	--	10
1,3-Dichloropropane	ND		ug/l	20	--	10
1,1,1,2-Tetrachloroethane	ND		ug/l	10	--	10
o-Chlorotoluene	ND		ug/l	20	--	10

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-07 D
 Client ID: AX-GW-MW18S-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 10:45
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	20	--	10
Hexachlorobutadiene	ND		ug/l	6.0	--	10
1,2,4-Trichlorobenzene	ND		ug/l	20	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	112		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-08 D2
 Client ID: AX-GW-MW18D-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/21/14 16:28
 Analyst: MM

Date Collected: 03/18/14 11:40
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	2700		ug/l	50	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-08 D
 Client ID: AX-GW-MW18D-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/20/14 12:06
 Analyst: MM

Date Collected: 03/18/14 11:40
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	40	--	20
1,1-Dichloroethane	ND		ug/l	20	--	20
Chloroform	ND		ug/l	20	--	20
Carbon tetrachloride	ND		ug/l	20	--	20
1,2-Dichloropropane	ND		ug/l	20	--	20
Dibromochloromethane	ND		ug/l	20	--	20
1,1,2-Trichloroethane	ND		ug/l	20	--	20
Tetrachloroethene	ND		ug/l	20	--	20
Chlorobenzene	ND		ug/l	20	--	20
1,2-Dichloroethane	ND		ug/l	20	--	20
1,1,1-Trichloroethane	ND		ug/l	20	--	20
Bromodichloromethane	ND		ug/l	20	--	20
trans-1,3-Dichloropropene	ND		ug/l	10	--	20
cis-1,3-Dichloropropene	ND		ug/l	10	--	20
Bromoform	ND		ug/l	40	--	20
1,1,2,2-Tetrachloroethane	ND		ug/l	20	--	20
Chloromethane	ND		ug/l	40	--	20
Vinyl chloride	230		ug/l	20	--	20
Chloroethane	ND		ug/l	40	--	20
1,1-Dichloroethene	ND		ug/l	20	--	20
trans-1,2-Dichloroethene	ND		ug/l	20	--	20
Trichloroethene	2700	E	ug/l	20	--	20
1,2-Dichlorobenzene	ND		ug/l	20	--	20
1,3-Dichlorobenzene	ND		ug/l	20	--	20
1,4-Dichlorobenzene	ND		ug/l	20	--	20
cis-1,2-Dichloroethene	1800		ug/l	20	--	20
Dichlorodifluoromethane	ND		ug/l	40	--	20
1,2-Dibromoethane	ND		ug/l	40	--	20
1,3-Dichloropropane	ND		ug/l	40	--	20
1,1,1,2-Tetrachloroethane	ND		ug/l	20	--	20
o-Chlorotoluene	ND		ug/l	40	--	20

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-08 D
 Client ID: AX-GW-MW18D-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 11:40
 Date Received: 03/18/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	40	--	20
Hexachlorobutadiene	ND		ug/l	12	--	20
1,2,4-Trichlorobenzene	ND		ug/l	40	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/20/14 08:25
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG676730-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/20/14 08:25
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG676730-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/20/14 08:25
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG676730-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/20/14 10:00
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 05-06,08 Batch: WG676945-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/20/14 10:00
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 05-06,08 Batch: WG676945-3					
p-Chlorotoluene	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/21/14 08:51
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 07-08 Batch: WG676945-6					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/21/14 08:51
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 07-08 Batch: WG676945-6					
p-Chlorotoluene	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	115		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG676730-1 WG676730-2								
Methylene chloride	104		106		70-130	2		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	103		104		70-130	1		20
Carbon tetrachloride	101		104		70-130	3		20
1,2-Dichloropropane	96		96		70-130	0		20
Dibromochloromethane	102		97		70-130	5		20
1,1,2-Trichloroethane	98		96		70-130	2		20
Tetrachloroethene	96		97		70-130	1		20
Chlorobenzene	98		96		70-130	2		20
Trichlorofluoromethane	105		103		70-130	2		20
1,2-Dichloroethane	98		96		70-130	2		20
1,1,1-Trichloroethane	103		102		70-130	1		20
Bromodichloromethane	105		104		70-130	1		20
trans-1,3-Dichloropropene	98		94		70-130	4		20
cis-1,3-Dichloropropene	101		101		70-130	0		20
1,1-Dichloropropene	102		101		70-130	1		20
Bromoform	94		95		70-130	1		20
1,1,2,2-Tetrachloroethane	95		96		70-130	1		20
Benzene	98		99		70-130	1		20
Toluene	97		97		70-130	0		20
Ethylbenzene	96		98		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG676730-1 WG676730-2								
Chloromethane	83		81		70-130	2		20
Bromomethane	104		99		70-130	5		20
Vinyl chloride	94		94		70-130	0		20
Chloroethane	103		104		70-130	1		20
1,1-Dichloroethene	104		108		70-130	4		20
trans-1,2-Dichloroethene	106		106		70-130	0		20
Trichloroethene	101		98		70-130	3		20
1,2-Dichlorobenzene	98		96		70-130	2		20
1,3-Dichlorobenzene	95		95		70-130	0		20
1,4-Dichlorobenzene	97		99		70-130	2		20
Methyl tert butyl ether	105		103		70-130	2		20
p/m-Xylene	97		98		70-130	1		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Dibromomethane	103		102		70-130	1		20
1,2,3-Trichloropropane	93		99		70-130	6		20
Styrene	109		115		70-130	5		20
Dichlorodifluoromethane	76		75		70-130	1		20
Acetone	123		100		70-130	21	Q	20
Carbon disulfide	100		101		70-130	1		20
2-Butanone	95		95		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG676730-1 WG676730-2								
4-Methyl-2-pentanone	106		98		70-130	8		20
2-Hexanone	96		97		70-130	1		20
Bromochloromethane	102		103		70-130	1		20
Tetrahydrofuran	96		90		70-130	6		20
2,2-Dichloropropane	106		102		70-130	4		20
1,2-Dibromoethane	100		96		70-130	4		20
1,3-Dichloropropane	98		94		70-130	4		20
1,1,1,2-Tetrachloroethane	97		98		70-130	1		20
Bromobenzene	100		96		70-130	4		20
n-Butylbenzene	97		98		70-130	1		20
sec-Butylbenzene	96		97		70-130	1		20
tert-Butylbenzene	97		96		70-130	1		20
o-Chlorotoluene	96		97		70-130	1		20
p-Chlorotoluene	97		98		70-130	1		20
1,2-Dibromo-3-chloropropane	101		100		70-130	1		20
Hexachlorobutadiene	102		103		70-130	1		20
Isopropylbenzene	98		99		70-130	1		20
p-Isopropyltoluene	98		97		70-130	1		20
Naphthalene	99		102		70-130	3		20
n-Propylbenzene	96		97		70-130	1		20
1,2,3-Trichlorobenzene	103		103		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG676730-1 WG676730-2								
1,2,4-Trichlorobenzene	104		101		70-130	3		20
1,3,5-Trimethylbenzene	97		97		70-130	0		20
1,2,4-Trimethylbenzene	98		98		70-130	0		20
Ethyl ether	101		100		70-130	1		20
Isopropyl Ether	95		94		70-130	1		20
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		20
Tertiary-Amyl Methyl Ether	101		100		70-130	1		20
1,4-Dioxane	122		113		70-130	8		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	97		100		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 05-06,08 Batch: WG676945-1 WG676945-2								
Methylene chloride	111		109		70-130	2		20
1,1-Dichloroethane	111		110		70-130	1		20
Chloroform	116		114		70-130	2		20
Carbon tetrachloride	102		102		70-130	0		20
1,2-Dichloropropane	113		112		70-130	1		20
Dibromochloromethane	100		100		70-130	0		20
1,1,2-Trichloroethane	102		100		70-130	2		20
Tetrachloroethene	105		104		70-130	1		20
Chlorobenzene	103		100		70-130	3		20
1,2-Dichloroethane	122		120		70-130	2		20
1,1,1-Trichloroethane	104		104		70-130	0		20
Bromodichloromethane	120		119		70-130	1		20
trans-1,3-Dichloropropene	70		71		70-130	1		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
Bromoform	100		100		70-130	0		20
1,1,2,2-Tetrachloroethane	96		94		70-130	2		20
Chloromethane	64	Q	64	Q	70-130	0		20
Vinyl chloride	98		96		70-130	2		20
Chloroethane	103		100		70-130	3		20
1,1-Dichloroethene	108		104		70-130	4		20
trans-1,2-Dichloroethene	109		106		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 05-06,08 Batch: WG676945-1 WG676945-2								
Trichloroethene	106		105		70-130	1		20
1,2-Dichlorobenzene	98		96		70-130	2		20
1,3-Dichlorobenzene	97		95		70-130	2		20
1,4-Dichlorobenzene	95		94		70-130	1		20
cis-1,2-Dichloroethene	110		109		70-130	1		20
Dichlorodifluoromethane	80		78		70-130	3		20
1,2-Dibromoethane	100		97		70-130	3		20
1,3-Dichloropropane	101		99		70-130	2		20
1,1,1,2-Tetrachloroethane	86		86		70-130	0		20
o-Chlorotoluene	98		96		70-130	2		20
p-Chlorotoluene	98		97		70-130	1		20
Hexachlorobutadiene	112		111		70-130	1		20
1,2,4-Trichlorobenzene	102		99		70-130	3		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	112		108		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	111		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 07-08 Batch: WG676945-4 WG676945-5								
Methylene chloride	77		91		70-130	17		20
1,1-Dichloroethane	98		99		70-130	1		20
Chloroform	100		102		70-130	2		20
Carbon tetrachloride	106		106		70-130	0		20
1,2-Dichloropropane	98		102		70-130	4		20
Dibromochloromethane	99		98		70-130	1		20
1,1,2-Trichloroethane	94		95		70-130	1		20
Tetrachloroethene	99		96		70-130	3		20
Chlorobenzene	94		92		70-130	2		20
1,2-Dichloroethane	106		106		70-130	0		20
1,1,1-Trichloroethane	102		104		70-130	2		20
Bromodichloromethane	105		107		70-130	2		20
trans-1,3-Dichloropropene	95		95		70-130	0		20
cis-1,3-Dichloropropene	102		104		70-130	2		20
Bromoform	84		91		70-130	8		20
1,1,2,2-Tetrachloroethane	88		88		70-130	0		20
Chloromethane	88		92		70-130	4		20
Vinyl chloride	90		92		70-130	2		20
Chloroethane	92		90		70-130	2		20
1,1-Dichloroethene	102		104		70-130	2		20
trans-1,2-Dichloroethene	103		107		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 07-08 Batch: WG676945-4 WG676945-5								
Trichloroethene	100		103		70-130	3		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	91		94		70-130	3		20
1,4-Dichlorobenzene	94		95		70-130	1		20
cis-1,2-Dichloroethene	98		100		70-130	2		20
Dichlorodifluoromethane	83		82		70-130	1		20
1,2-Dibromoethane	97		98		70-130	1		20
1,3-Dichloropropane	99		96		70-130	3		20
1,1,1,2-Tetrachloroethane	98		96		70-130	2		20
o-Chlorotoluene	91		94		70-130	3		20
p-Chlorotoluene	87		93		70-130	7		20
Hexachlorobutadiene	92		102		70-130	10		20
1,2,4-Trichlorobenzene	94		96		70-130	2		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	94		91		70-130
4-Bromofluorobenzene	94		103		70-130
Dibromofluoromethane	102		104		70-130

PCBS

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-02
 Client ID: AX-GW-MW101B-031714
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/20/14 14:56
 Analyst: JW

Date Collected: 03/17/14 14:10
 Date Received: 03/18/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/19/14 04:27
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-03
 Client ID: AX-GW-GZ1-031714
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/20/14 15:10
 Analyst: JW

Date Collected: 03/17/14 15:00
 Date Received: 03/18/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/19/14 04:27
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-04
 Client ID: AX-GW-GZ101S-031714
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/20/14 15:24
 Analyst: JW

Date Collected: 03/17/14 15:25
 Date Received: 03/18/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/19/14 04:27
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-05
 Client ID: AX-GW-GZ101D-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/20/14 15:37
 Analyst: JW

Date Collected: 03/18/14 09:00
 Date Received: 03/18/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/19/14 04:27
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-06
 Client ID: AX-GW-GZ4A-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/20/14 15:51
 Analyst: JW

Date Collected: 03/18/14 09:45
 Date Received: 03/18/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/19/14 04:27
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-07
 Client ID: AX-GW-MW18S-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/20/14 16:04
 Analyst: JW

Date Collected: 03/18/14 10:45
 Date Received: 03/18/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/19/14 04:27
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-08 D
 Client ID: AX-GW-MW18D-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/20/14 17:44
 Analyst: JW

Date Collected: 03/18/14 11:40
 Date Received: 03/18/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/19/14 04:27
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	1.25	--	5	A
Aroclor 1221	ND		ug/l	1.25	--	5	A
Aroclor 1232	ND		ug/l	1.25	--	5	A
Aroclor 1242	9.58		ug/l	1.25	--	5	B
Aroclor 1248	ND		ug/l	1.25	--	5	A
Aroclor 1254	ND		ug/l	1.25	--	5	A
Aroclor 1260	ND		ug/l	1.25	--	5	A
Aroclor 1262	ND		ug/l	1.25	--	5	A
Aroclor 1268	ND		ug/l	1.25	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 03/20/14 16:31
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/19/14 04:27
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/20/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02-08 Batch: WG676377-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.250	--	A
Aroclor 1262	ND		ug/l	0.250	--	A
Aroclor 1268	ND		ug/l	0.250	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-08 Batch: WG676377-2 WG676377-3									
Aroclor 1016	80		80		40-140	0		20	A
Aroclor 1260	87		89		40-140	2		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		69		30-150	A
Decachlorobiphenyl	65		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		73		30-150	B
Decachlorobiphenyl	90		87		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-02
Client ID: AX-GW-MW101B-031714
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/17/14 14:10
Date Received: 03/18/14
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	34.		mg/l	5.0	NA	1	-	03/19/14 12:50	30,2540D	DW



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-03
Client ID: AX-GW-GZ1-031714
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/17/14 15:00
Date Received: 03/18/14
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	-	03/19/14 12:50	30,2540D	DW



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-04
Client ID: AX-GW-GZ101S-031714
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/17/14 15:25
Date Received: 03/18/14
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	-	03/19/14 12:50	30,2540D	DW



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-05
Client ID: AX-GW-GZ101D-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 09:00
Date Received: 03/18/14
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	-	03/19/14 12:50	30,2540D	DW



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-06
Client ID: AX-GW-GZ4A-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 09:45
Date Received: 03/18/14
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	20.		mg/l	5.0	NA	1	-	03/19/14 12:50	30,2540D	DW



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-07
Client ID: AX-GW-MW18S-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 10:45
Date Received: 03/18/14
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	-	03/19/14 12:50	30,2540D	DW



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

SAMPLE RESULTS

Lab ID: L1405567-08
Client ID: AX-GW-MW18D-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 11:40
Date Received: 03/18/14
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	-	03/19/14 12:50	30,2540D	DW



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

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): 02-08 Batch: WG676396-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	03/19/14 12:50	30,2540D	DW

Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-08 QC Batch ID: WG676396-2 QC Sample: L1405539-01 Client ID: DUP Sample						
Solids, Total Suspended	950	900	mg/l	5		29

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent
 B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405567-01A	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-02A	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-02B	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-02C	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-02D	Amber 1000ml unpreserved	B	13	3.4	Y	Absent	MCP-8082-10(365)
L1405567-02E	Amber 1000ml unpreserved	B	13	3.4	Y	Absent	MCP-8082-10(365)
L1405567-02F	Plastic 1000ml unpreserved	B	13	3.4	Y	Absent	TSS-2540(7)
L1405567-03A	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-03B	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-03C	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-03D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	MCP-8082-10(365)
L1405567-03E	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	MCP-8082-10(365)
L1405567-03F	Plastic 1000ml unpreserved	B	7	3.4	Y	Absent	TSS-2540(7)
L1405567-04A	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-04B	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-04C	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-04D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	MCP-8082-10(365)
L1405567-04E	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	MCP-8082-10(365)
L1405567-04F	Plastic 1000ml unpreserved	B	7	3.4	Y	Absent	TSS-2540(7)
L1405567-05A	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-05B	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-05C	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-05D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	MCP-8082-10(365)
L1405567-05E	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	MCP-8082-10(365)
L1405567-05F	Plastic 1000ml unpreserved	B	7	3.4	Y	Absent	TSS-2540(7)
L1405567-06A	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405567-06B	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-06C	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-06D	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8082-10(365)
L1405567-06E	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8082-10(365)
L1405567-06F	Plastic 1000ml unpreserved	A	7	3.7	Y	Absent	TSS-2540(7)
L1405567-07A	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-07B	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-07C	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-07D	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8082-10(365)
L1405567-07E	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8082-10(365)
L1405567-07F	Plastic 1000ml unpreserved	A	7	3.7	Y	Absent	TSS-2540(7)
L1405567-08A	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-08B	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-08C	Vial HCl preserved	B	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1405567-08D	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8082-10(365)
L1405567-08E	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8082-10(365)
L1405567-08F	Plastic 1000ml unpreserved	A	7	3.7	Y	Absent	TSS-2540(7)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 3974405.20003

Lab Number: L1405567
Report Date: 03/24/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 3/18/14

ALPHA Job #: L1405567

Client Information
Client: **URS**
Address: **1155 Elm St, Suite 401
Manchester, NH 03101**
Phone: **(603) 606-4800**
Email: **judith.leclair@urs.com**

Project Information
Project Name: **Aerovox**
Project Location: **New Bedford, MA**
Project #: **3974405.20003**
Project Manager: **J. LeClair / M. Wade**
ALPHA Quote #:

Report Information - Data Deliverables
 ADEX EMAIL

Billing Information
 Same as Client info PO #:

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved!)
Date Due: **3/25/14**

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

Additional Project Information:
CVOC only

ANALYSIS	SVOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input checked="" type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TSS	SAMPLE INFO	TOTAL # BOTTLES
								Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do		
								Sample Comments		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CVOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	TSS	Sample Comments	TOTAL # BOTTLES
		Date	Time													
05567-01	TB-01	3/17/14		TB		1										1
-02	AX-GW-MW101B-031714	↓	1410	GW	JKH	3					2	1				6
-03	AX-GW-GZ1-031714	↓	1500	GW	CMK	3					2	1				6
-04	AX-GW-GZ101S-031714	↓	1525	GW	JKH	3					2	1				6
-05	AX-GW-GZ101D-031814	3/18/14	0900	GW	JKH	3					2	1				6
-06	AX-GW-GZ4A-031814	↓	0945	GW	CMK	3					2	1				6
-07	AX-GW-MW18S-031814	↓	1045	GW	JKH	3					2	1				6
-08	AX-GW-MW18D-031814	↓	1140	GW	JKH	3					2	1				6

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= HNO3 D= H2SO4 E= NaOH F= MeOH G= NaHSO4 H= Na2S2O8 I= Ascorbic Acid J= NH4Cl K= Zn Acetate O= Other	Container Type V	Preservative B	A	P	A	A
--	---	-------------------------	-----------------------	---	---	---	---

Relinquished By: *[Signature]* Date/Time: 3/18/14 11:55
 Received By: *[Signature]* Date/Time: 3-18-14 11:55
 3/19/14 10:40 3/18/14 18:40

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405567

Instrument ID: Jack.i Calibration Date: 20-MAR-2014 Time: 06:47

Lab File ID: 0320A05 Init. Calib. Date(s): 06-MAR-2 06-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 07:52 13:51

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.59436	.45005	.1	-24	20	F
chloromethane	1.1336	.93856	.1	-17	20	
vinyl chloride	.92614	.87318	.1	-6	20	
bromomethane	.23458	.24364	.1	4	20	
chloroethane	.49041	.5058	.1	3	20	
trichlorofluoromethane	.81322	.85705	.1	5	20	
ethyl ether	.27632	.2793	.05	1	20	
1,1,-dichloroethene	.49987	.52078	.1	4	20	
carbon disulfide	1.3911	1.3946	.1	0	20	
freon-113	.55867	.58404	.1	5	20	
iodomethane	100	75.020	.05	-25	20	F
acrolein	.10565	.10792	.05	2	20	
methylene chloride	.58704	.60933	.1	4	20	
acetone	100	123	.1	23	20	F
trans-1,2-dichloroethene	.56434	.59904	.1	6	20	
methyl acetate	.42089	.45006	.1	7	20	
methyl tert butyl ether	1.3276	1.3908	.1	5	20	
tert butyl alcohol	.04417	.04983	.05	13	20	F
Diisopropyl Ether	3.2284	3.0757	.01	-5	20	
1,1-dichloroethane	1.4406	1.4221	.2	-1	20	
acrylonitrile	.23504	.2422	.05	3	20	
Halothane	.45961	.45332	.05	-1	20	
Ethyl-Tert-Butyl-Ether	2.5041	2.4909	.05	-1	20	
vinyl acetate	1.8007	1.8036	.05	0	20	
cis-1,2-dichloroethene	.6273	.62579	.1	0	20	
2,2-dichloropropane	.88473	.93963	.05	6	20	
cyclohexane	1.7958	1.6591	.01	-8	30	
bromochloromethane	.28399	.29102	.05	2	20	
chloroform	1.0367	1.0646	.2	3	20	
carbontetrachloride	.77235	.77774	.1	1	20	
tetrahydrofuran	.21607	.20807	.05	-4	20	
ethyl acetate	.6533	.62797	.05	-4	20	
1,1,1-trichloroethane	.89953	.93046	.1	3	20	
1,1-dichloropropene	.86464	.87956	.05	2	20	
2-butanone	.29131	.27667	.1	-5	20	
benzene	2.5723	2.5307	.5	-2	20	
Tertiary-Amyl Methyl Ether	1.4812	1.4935	.05	1	20	
1,2-dichloroethane	.90699	.88647	.1	-2	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405567

Instrument ID: Jack.i Calibration Date: 20-MAR-2014 Time: 06:47

Lab File ID: 0320A05 Init. Calib. Date(s): 06-MAR-2 06-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 07:52 13:51

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
methyl cyclohexane	.96989	.95174	.01	-2	30
trichloroethene	.59513	.60064	.2	1	20
dibromomethane	.30223	.31068	.05	3	20
1,2-dichloropropane	.83868	.80788	.1	-4	20
bromodichloromethane	.7528	.7887	.2	5	20
1,4-dioxane	.00318	.00386	.05	22	20
2-chloroethylvinyl ether	.43057	.42346	.05	-2	20
cis-1,3-dichloropropene	.9535	.96573	.2	1	20
toluene	2.0071	1.9454	.4	-3	20
tetrachloroethene	.84549	.80934	.2	-4	20
4-methyl-2-pentanone	.2332	.24752	.1	6	20
trans-1,3-dichloropropene	.97579	.96027	.1	-2	20
1,1,2-trichloroethane	.46572	.4582	.1	-2	20
ethyl-methacrylate	.81236	.8005	.01	-1	30
chlorodibromomethane	.65421	.66852	.1	2	20
1,3-dichloropropane	1.0315	1.0164	.05	-1	20
1,2-dibromoethane	.57758	.57489	.1	0	20
2-hexanone	.50561	.48784	.1	-4	20
chlorobenzene	2.1604	2.1212	.5	-2	20
ethyl benzene	3.7425	3.5787	.1	-4	20
1,1,1,2-tetrachloroethane	.73254	.71036	.05	-3	20
p/m xylene	1.4745	1.4255	.1	-3	20
o xylene	1.3716	1.3030	.3	-5	20
bromoform	.67689	.63582	.1	-6	20
styrene	2.2463	2.4495	.3	9	20
isopropylbenzene	6.6871	6.5369	.1	-2	20
bromobenzene	1.6052	1.6047	.05	0	20
1,4-dichlorobutane	3.0213	2.7827	.01	-8	30
n-propylbenzene	6.8365	6.5734	.05	-4	20
1,1,2,2,-tetrachloroethane	1.2072	1.1424	.3	-5	20
4-ethyltoluene	6.1760	5.8888	.05	-5	20
2-chlorotoluene	4.8865	4.6900	.05	-4	20
1,2,3-trichloropropane	1.0222	.95172	.05	-7	20
1,3,5-trimethylbenzene	5.0793	4.9244	.05	-3	20
trans-1,4-dichloro-2-butene	.51726	.4542	.05	-12	20
4-chlorotoluene	4.4783	4.3367	.05	-3	20
tert-butylbenzene	4.0882	3.9686	.05	-3	20
1,2,4-trimethylbenzene	4.9118	4.8176	.05	-2	20

F

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405567

Instrument ID: Quimby.i Calibration Date: 20-MAR-2014 Time: 07:54

Lab File ID: 0320A03 Init. Calib. Date(s): 17-FEB-2 17-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 07:32 10:41

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.39687	.31883	.1	-20	20	
chloromethane	.81904	.52088	.1	-36	20	F
vinyl chloride	.46992	.45936	.1	-2	20	
bromomethane	.23308	.32058	.1	38	20	F
chloroethane	.33964	.34877	.1	3	20	
trichlorofluoromethane	.59849	.72891	.1	22	20	F
ethyl ether	.20235	.22031	.05	9	20	
acrolein	.08363	.0919	.05	10	20	
freon-113	.41698	.48851	.1	17	20	
acetone	.11596	.14642	.1	26	20	F
1,1,-dichloroethene	.4187	.45361	.1	8	20	
tert-butyl alcohol	.02806	.01839	.05	-34	20	F
iodomethane	.4925	.33573	.05	-32	20	F
methyl acetate	.26914	.26242	.01	-2	20	
methylene chloride	.46494	.51755	.1	11	20	
carbon disulfide	1.1220	1.1540	.1	3	20	
acrylonitrile	.15211	.16218	.05	7	20	
methyl tert butyl ether	.91618	.94434	.1	3	20	
Halothane	.31583	.38314	.05	21	20	F
trans-1,2-dichloroethene	.46109	.50129	.1	9	20	
Diisopropyl Ether	2.1695	2.1308	.05	-2	20	
vinyl acetate	.66032	.71638	.05	8	20	
1,1-dichloroethane	.96935	1.0807	.2	11	20	
Ethyl-Tert-Butyl-Ether	1.6600	1.4799	.05	-11	20	
2-butanone	.16573	.1782	.1	8	20	
2,2-dichloropropane	.56432	.40522	.05	-28	20	F
ethyl acetate	.32249	.36223	.05	12	20	
cis-1,2-dichloroethene	.49397	.54221	.1	10	20	
chloroform	.78467	.91347	.2	16	20	
bromochloromethane	.19692	.23402	.05	19	20	
tetrahydrofuran	.10827	.10679	.05	-1	20	
1,1,1-trichloroethane	.67632	.70581	.1	4	20	
cyclohexane	1.2560	1.3013	.01	4	30	
1,1-dichloropropene	.66864	.74822	.05	12	20	
carbontetrachloride	.47775	.48586	.1	2	20	
Tertiary-Amyl Methyl Ether	1.0218	.96295	.05	-6	20	
1,2-dichloroethane	.61416	.74662	.1	22	20	F
benzene	1.8843	2.0893	.5	11	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405567

Instrument ID: Quimby.i Calibration Date: 20-MAR-2014 Time: 07:54

Lab File ID: 0320A03 Init. Calib. Date(s): 17-FEB-2 17-FEB-2

Sample No: 8260 CCAL Init. Calib. Times : 07:32 10:41

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
trichloroethene	.48339	.51079	.2	6	20	
methyl cyclohexane	.84947	.9319	.01	10	30	
1,2-dichloropropane	.54753	.62099	.1	13	20	
bromodichloromethane	.51689	.62305	.2	21	20	F
1,4-dioxane	.00253	.00285	.05	13	20	F
dibromomethane	.21315	.25541	.05	20	20	
2-chloroethylvinyl ether	.03779	.22513	.05	496	20	F
4-methyl-2-pentanone	.13743	.1522	.1	11	20	
cis-1,3-dichloropropene	.68229	.62875	.2	-8	20	
toluene	1.5261	1.4951	.4	-2	20	
ethyl-methacrylate	.52864	.49579	.01	-6	30	
trans-1,3-dichloropropene	.69149	.48267	.1	-30	20	F
2-hexanone	.30721	.27499	.1	-10	20	
1,1,2-trichloroethane	.32721	.3349	.1	2	20	
1,3-dichloropropane	.73011	.74015	.05	1	20	
tetrachloroethene	.60316	.63389	.2	5	20	
chlorodibromomethane	100	100	.1	0	20	
1,2-dibromoethane	.38542	.38346	.1	-1	20	
chlorobenzene	1.5987	1.6435	.5	3	20	
1,1,1,2-tetrachloroethane	.48431	.41832	.05	-14	20	
ethyl benzene	2.9467	3.0057	.1	2	20	
p/m xylene	1.1485	1.1607	.1	1	20	
o xylene	1.0708	1.0928	.3	2	20	
styrene	1.7358	1.7949	.31	3	20	
isopropylbenzene	2.9438	2.9891	.1	2	20	
bromoform	100	100	.1	0	20	
1,4-dichlorobutane	1.9192	1.7314	.01	-10	30	
1,1,2,2,-tetrachloroethane	.84462	.81139	.3	-4	20	
1,2,3-trichloropropane	.65944	.65201	.05	-1	20	
trans-1,4-dichloro-2-butene	.35832	.26862	.05	-25	20	F
n-propylbenzene	6.3880	5.9698	.05	-7	20	
bromobenzene	1.2165	1.1577	.05	-5	20	
4-ethyltoluene	2.3239	2.7208	.05	17	20	
1,3,5-trimethybenzene	4.5544	4.4970	.05	-1	20	
2-chlorotoluene	4.3587	4.2573	.05	-2	20	
4-chlorotoluene	3.9950	3.9292	.05	-2	20	
tert-butylbenzene	3.8609	3.7558	.05	-3	20	
1,2,4-trimethylbenzene	4.5600	4.3569	.05	-4	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405567

Instrument ID: Jack.i Calibration Date: 21-MAR-2014 Time: 07:13

Lab File ID: 0321A06 Init. Calib. Date(s): 06-MAR-2 06-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:08 14:07

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.66553	.55366	.1	-17	20	
chloromethane	1.3221	1.1643	.1	-12	20	
vinyl chloride	1.0832	.97871	.1	-10	20	
bromomethane	.35468	.27413	.1	-23	20	F
chloroethane	.57109	.52645	.1	-8	20	
trichlorofluoromethane	.95916	.96226	.1	0	20	
ethyl ether	.26247	.29296	.05	12	20	
1,1,-dichloroethene	.58128	.59142	.1	2	20	
carbon disulfide	1.5635	1.4983	.1	-4	20	
methylene chloride	.64838	.49701	.1	-23	20	F
acetone	100	177	.1	77	20	F
trans-1,2-dichloroethene	.63105	.64907	.1	3	20	
methyl tert butyl ether	1.1751	1.2937	.1	10	20	
Diisopropyl Ether	2.9703	2.7890	.01	-6	20	
1,1-dichloroethane	1.6110	1.5791	.2	-2	20	
Ethyl-Tert-Butyl-Ether	2.2021	2.1255	.05	-3	20	
cis-1,2-dichloroethene	.71414	.70056	.1	-2	20	
2,2-dichloropropane	.98712	.97692	.05	-1	20	
bromochloromethane	.31538	.32525	.05	3	20	
chloroform	1.1772	1.1784	.2	0	20	
carbontetrachloride	.85998	.91205	.1	6	20	
tetrahydrofuran	.20959	.2057	.05	-2	20	
1,1,1-trichloroethane	1.0220	1.0397	.1	2	20	
1,1-dichloropropene	.87288	.85789	.05	-2	20	
2-butanone	.25817	.31094	.1	20	20	F
benzene	2.5841	2.5523	.5	-1	20	
Tertiary-Amyl Methyl Ether	1.2510	1.2811	.05	2	20	
1,2-dichloroethane	.9181	.97348	.1	6	20	
trichloroethene	.59075	.59054	.2	0	20	
dibromomethane	.31645	.32834	.05	4	20	
1,2-dichloropropane	.8222	.80793	.1	-2	20	
bromodichloromethane	.78087	.82227	.2	5	20	
cis-1,3-dichloropropene	.9317	.94954	.2	2	20	
toluene	1.9634	1.7849	.4	-9	20	
tetrachloroethene	.80204	.793	.2	-1	20	
4-methyl-2-pentanone	.19145	.20782	.1	9	20	
trans-1,3-dichloropropene	.87148	.82967	.1	-5	20	
1,1,2-trichloroethane	.41755	.39332	.1	-6	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405567

Instrument ID: Jack.i Calibration Date: 21-MAR-2014 Time: 07:13

Lab File ID: 0321A06 Init. Calib. Date(s): 06-MAR-2 06-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:08 14:07

Compound	RRF	RRF	MIN RRF	%D	MAX %D
chlorodibromomethane	.57983	.57447	.1	-1	20
1,3-dichloropropane	.92044	.90772	.05	-1	20
1,2-dibromoethane	.51224	.49791	.1	-3	20
2-hexanone	.42336	.50171	.1	19	20
chlorobenzene	2.1136	1.9769	.5	-6	20
ethyl benzene	3.7152	3.4187	.1	-8	20
1,1,1,2-tetrachloroethane	.65418	.63901	.05	-2	20
p/m xylene	1.4735	1.3725	.1	-7	20
o xylene	1.3844	1.3117	.3	-5	20
styrene	2.2719	2.5728	.3	13	20
bromoform	.5999	.50722	.1	-15	20
isopropylbenzene	6.4124	5.8900	.1	-8	20
bromobenzene	1.5267	1.4289	.05	-6	20
n-propylbenzene	6.5581	6.0706	.05	-7	20
1,1,2,2,-tetrachloroethane	1.1097	.97744	.3	-12	20
2-chlorotoluene	4.7550	4.3453	.05	-9	20
1,2,3-trichloropropane	.89484	.83399	.05	-7	20
1,3,5-trimethylbenzene	4.8908	4.5990	.05	-6	20
4-chorotoluene	4.4830	3.8847	.05	-13	20
tert-butylbenzene	4.0005	3.7343	.05	-7	20
1,2,4-trimethylbenzene	4.8001	4.4912	.05	-6	20
sec-butylbenzene	5.6045	5.1826	.01	-8	20
p-isopropyltoluene	4.5505	4.2329	.05	-7	20
1,3-dichlorobenzene	2.8350	2.5766	.6	-9	20
1,4-dichlorobenzene	2.8606	2.6814	.5	-6	20
n-butylbenzene	3.4245	3.2095	.05	-6	20
1,2-dichlorobenzene	2.6353	2.4688	.4	-6	20
1,2-dibromo-3-chloropropane	.17754	.19406	.05	9	20
1,2,4-trichlorobenzene	1.2294	1.1598	.2	-6	20
hexachlorobutadiene	.41031	.37645	.05	-8	20
naphthalene	2.9493	2.8185	.05	-4	20
1,2,3-trichlorobenzene	1.032	.97379	.05	-6	20
dibromofluoromethane	.28371	.2901	.05	2	20
1,2-dichloroethane-d4	.34099	.34768	.05	2	20
toluene-d8	1.2372	1.1658	.01	-6	20
4-bromofluorobenzene	.87087	.82185	.05	-6	20

FORM VII MCP-8260-10



ANALYTICAL REPORT

Lab Number:	L1405696
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20003
Report Date:	03/26/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405696-01	TB-02	NEW BEDFORD, MA	03/18/14 00:00
L1405696-02	AX-GW-MW4S-031814	NEW BEDFORD, MA	03/18/14 11:50
L1405696-03	AX-GW-MW16S-031814	NEW BEDFORD, MA	03/18/14 13:45
L1405696-04	AX-GW-MW1-031814	NEW BEDFORD, MA	03/18/14 15:20
L1405696-05	AX-GW-GZ102D-031814	NEW BEDFORD, MA	03/18/14 14:10
L1405696-06	AX-GW-GZ102S-031814	NEW BEDFORD, MA	03/18/14 15:40
L1405696-07	AX-GW-GZ2-031914	NEW BEDFORD, MA	03/19/14 09:05
L1405696-08	AX-GW-MW3-031914	NEW BEDFORD, MA	03/19/14 10:20
L1405696-09	AX-GW-GZ3-031914	NEW BEDFORD, MA	03/19/14 11:30
L1405696-10	AX-GW-MW5-031914	NEW BEDFORD, MA	03/19/14 13:45
L1405696-11	AX-GW-GZ103D-031914	NEW BEDFORD, MA	03/19/14 10:10
L1405696-12	AX-GW-GZ103S-031914	NEW BEDFORD, MA	03/19/14 13:25

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L145696-03, -05, and -11: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The continuing calibration standard, associated with L1405696-01, -04, and -06 through -10, is outside the acceptance criteria for hexachlorobutadiene; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

In reference to question G:


L1405696-05: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1405696-05 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (both 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 03/26/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-01
 Client ID: TB-02
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/23/14 10:03
 Analyst: MM

Date Collected: 03/18/14 00:00
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-01
 Client ID: TB-02
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 00:00
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	95		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-02
 Client ID: AX-GW-MW4S-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/25/14 11:41
 Analyst: MM

Date Collected: 03/18/14 11:50
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	1.5		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	17		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	1.4		ug/l	1.0	--	1
Trichloroethene	36		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	18		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-02
 Client ID: AX-GW-MW4S-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 11:50
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	113		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-03 D
 Client ID: AX-GW-MW16S-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/25/14 12:47
 Analyst: MM

Date Collected: 03/18/14 13:45
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	4.0	--	2
1,1-Dichloroethane	ND		ug/l	2.0	--	2
Chloroform	ND		ug/l	2.0	--	2
Carbon tetrachloride	ND		ug/l	2.0	--	2
1,2-Dichloropropane	ND		ug/l	2.0	--	2
Dibromochloromethane	ND		ug/l	2.0	--	2
1,1,2-Trichloroethane	ND		ug/l	2.0	--	2
Tetrachloroethene	ND		ug/l	2.0	--	2
Chlorobenzene	ND		ug/l	2.0	--	2
1,2-Dichloroethane	ND		ug/l	2.0	--	2
1,1,1-Trichloroethane	ND		ug/l	2.0	--	2
Bromodichloromethane	ND		ug/l	2.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	--	2
Chloromethane	ND		ug/l	4.0	--	2
Vinyl chloride	2.2		ug/l	2.0	--	2
Chloroethane	ND		ug/l	4.0	--	2
1,1-Dichloroethene	ND		ug/l	2.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	2.0	--	2
Trichloroethene	250		ug/l	2.0	--	2
1,2-Dichlorobenzene	ND		ug/l	2.0	--	2
1,3-Dichlorobenzene	ND		ug/l	2.0	--	2
1,4-Dichlorobenzene	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	140		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	4.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,3-Dichloropropane	ND		ug/l	4.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	2.0	--	2
o-Chlorotoluene	ND		ug/l	4.0	--	2

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-03 D
 Client ID: AX-GW-MW16S-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 13:45
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	4.0	--	2
Hexachlorobutadiene	ND		ug/l	1.2	--	2
1,2,4-Trichlorobenzene	ND		ug/l	4.0	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	114		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-04
 Client ID: AX-GW-MW1-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/23/14 11:41
 Analyst: MM

Date Collected: 03/18/14 15:20
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-04
 Client ID: AX-GW-MW1-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 15:20
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-05 D
 Client ID: AX-GW-GZ102D-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/25/14 13:19
 Analyst: MM

Date Collected: 03/18/14 14:10
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	40	--	20
1,1-Dichloroethane	ND		ug/l	20	--	20
Chloroform	ND		ug/l	20	--	20
Carbon tetrachloride	ND		ug/l	20	--	20
1,2-Dichloropropane	ND		ug/l	20	--	20
Dibromochloromethane	ND		ug/l	20	--	20
1,1,2-Trichloroethane	ND		ug/l	20	--	20
Tetrachloroethene	ND		ug/l	20	--	20
Chlorobenzene	ND		ug/l	20	--	20
1,2-Dichloroethane	ND		ug/l	20	--	20
1,1,1-Trichloroethane	ND		ug/l	20	--	20
Bromodichloromethane	ND		ug/l	20	--	20
trans-1,3-Dichloropropene	ND		ug/l	10	--	20
cis-1,3-Dichloropropene	ND		ug/l	10	--	20
Bromoform	ND		ug/l	40	--	20
1,1,2,2-Tetrachloroethane	ND		ug/l	20	--	20
Chloromethane	ND		ug/l	40	--	20
Vinyl chloride	79		ug/l	20	--	20
Chloroethane	ND		ug/l	40	--	20
1,1-Dichloroethene	ND		ug/l	20	--	20
trans-1,2-Dichloroethene	ND		ug/l	20	--	20
Trichloroethene	1900		ug/l	20	--	20
1,2-Dichlorobenzene	ND		ug/l	20	--	20
1,3-Dichlorobenzene	ND		ug/l	20	--	20
1,4-Dichlorobenzene	ND		ug/l	20	--	20
cis-1,2-Dichloroethene	1500		ug/l	20	--	20
Dichlorodifluoromethane	ND		ug/l	40	--	20
1,2-Dibromoethane	ND		ug/l	40	--	20
1,3-Dichloropropane	ND		ug/l	40	--	20
1,1,1,2-Tetrachloroethane	ND		ug/l	20	--	20
o-Chlorotoluene	ND		ug/l	40	--	20

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-05 D
 Client ID: AX-GW-GZ102D-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 14:10
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	40	--	20
Hexachlorobutadiene	ND		ug/l	12	--	20
1,2,4-Trichlorobenzene	ND		ug/l	40	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	115		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-06
 Client ID: AX-GW-GZ102S-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/23/14 12:14
 Analyst: MM

Date Collected: 03/18/14 15:40
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	27		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-06
 Client ID: AX-GW-GZ102S-031814
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/18/14 15:40
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-07
 Client ID: AX-GW-GZ2-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/23/14 12:46
 Analyst: MM

Date Collected: 03/19/14 09:05
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-07
 Client ID: AX-GW-GZ2-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 09:05
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-08
 Client ID: AX-GW-MW3-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/23/14 13:19
 Analyst: MM

Date Collected: 03/19/14 10:20
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	7.6		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-08
 Client ID: AX-GW-MW3-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 10:20
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-09
 Client ID: AX-GW-GZ3-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/23/14 13:52
 Analyst: MM

Date Collected: 03/19/14 11:30
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	2.6		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-09
 Client ID: AX-GW-GZ3-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 11:30
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-10
 Client ID: AX-GW-MW5-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/23/14 11:08
 Analyst: MM

Date Collected: 03/19/14 13:45
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-10
 Client ID: AX-GW-MW5-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 13:45
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-11 D
 Client ID: AX-GW-GZ103D-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/25/14 13:52
 Analyst: MM

Date Collected: 03/19/14 10:10
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	5
1,1-Dichloroethane	ND		ug/l	5.0	--	5
Chloroform	ND		ug/l	5.0	--	5
Carbon tetrachloride	ND		ug/l	5.0	--	5
1,2-Dichloropropane	ND		ug/l	5.0	--	5
Dibromochloromethane	ND		ug/l	5.0	--	5
1,1,2-Trichloroethane	ND		ug/l	5.0	--	5
Tetrachloroethene	ND		ug/l	5.0	--	5
Chlorobenzene	ND		ug/l	5.0	--	5
1,2-Dichloroethane	ND		ug/l	5.0	--	5
1,1,1-Trichloroethane	ND		ug/l	5.0	--	5
Bromodichloromethane	ND		ug/l	5.0	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Chloromethane	ND		ug/l	10	--	5
Vinyl chloride	29		ug/l	5.0	--	5
Chloroethane	ND		ug/l	10	--	5
1,1-Dichloroethene	ND		ug/l	5.0	--	5
trans-1,2-Dichloroethene	ND		ug/l	5.0	--	5
Trichloroethene	550		ug/l	5.0	--	5
1,2-Dichlorobenzene	ND		ug/l	5.0	--	5
1,3-Dichlorobenzene	ND		ug/l	5.0	--	5
1,4-Dichlorobenzene	ND		ug/l	5.0	--	5
cis-1,2-Dichloroethene	240		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	10	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	5
o-Chlorotoluene	ND		ug/l	10	--	5

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-11 D
 Client ID: AX-GW-GZ103D-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 10:10
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	10	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
1,2,4-Trichlorobenzene	ND		ug/l	10	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	116		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-12
 Client ID: AX-GW-GZ103S-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/25/14 12:14
 Analyst: MM

Date Collected: 03/19/14 13:25
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	4.0		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	3.6		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	16		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	1.3		ug/l	1.0	--	1
cis-1,2-Dichloroethene	44		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-12
 Client ID: AX-GW-GZ103S-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 13:25
 Date Received: 03/19/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	115		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/23/14 08:58
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01,04,06-10 Batch: WG677387-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/23/14 08:58
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01,04,06-10 Batch: WG677387-3					
p-Chlorotoluene	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/25/14 09:31
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02-03,05,11-12 Batch: WG677971-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/25/14 09:31
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02-03,05,11-12 Batch: WG677971-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 03/25/14 09:31
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02-03,05,11-12 Batch: WG677971-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	113		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01,04,06-10 Batch: WG677387-1 WG677387-2								
Methylene chloride	114		113		70-130	1		20
1,1-Dichloroethane	108		104		70-130	4		20
Chloroform	114		111		70-130	3		20
Carbon tetrachloride	114		111		70-130	3		20
1,2-Dichloropropane	107		104		70-130	3		20
Dibromochloromethane	104		107		70-130	3		20
1,1,2-Trichloroethane	108		114		70-130	5		20
Tetrachloroethene	103		107		70-130	4		20
Chlorobenzene	104		105		70-130	1		20
1,2-Dichloroethane	109		103		70-130	6		20
1,1,1-Trichloroethane	113		110		70-130	3		20
Bromodichloromethane	116		115		70-130	1		20
trans-1,3-Dichloropropene	107		105		70-130	2		20
cis-1,3-Dichloropropene	114		111		70-130	3		20
Bromoform	104		105		70-130	1		20
1,1,2,2-Tetrachloroethane	103		105		70-130	2		20
Chloromethane	96		90		70-130	6		20
Vinyl chloride	104		101		70-130	3		20
Chloroethane	113		106		70-130	6		20
1,1-Dichloroethene	117		112		70-130	4		20
trans-1,2-Dichloroethene	116		109		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01,04,06-10 Batch: WG677387-1 WG677387-2								
Trichloroethene	111		110		70-130	1		20
1,2-Dichlorobenzene	120		108		70-130	11		20
1,3-Dichlorobenzene	101		105		70-130	4		20
1,4-Dichlorobenzene	104		106		70-130	2		20
cis-1,2-Dichloroethene	109		109		70-130	0		20
Dichlorodifluoromethane	98		95		70-130	3		20
1,2-Dibromoethane	107		107		70-130	0		20
1,3-Dichloropropane	106		108		70-130	2		20
1,1,1,2-Tetrachloroethane	109		109		70-130	0		20
o-Chlorotoluene	103		105		70-130	2		20
p-Chlorotoluene	101		106		70-130	5		20
Hexachlorobutadiene	126		123		70-130	2		20
1,2,4-Trichlorobenzene	106		113		70-130	6		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	94		95		70-130
4-Bromofluorobenzene	100		94		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-03,05,11-12 Batch: WG677971-1 WG677971-2								
Methylene chloride	101		91		70-130	10		20
1,1-Dichloroethane	94		100		70-130	6		20
Chloroform	96		99		70-130	3		20
Carbon tetrachloride	100		104		70-130	4		20
1,2-Dichloropropane	101		108		70-130	7		20
Dibromochloromethane	113		115		70-130	2		20
1,1,2-Trichloroethane	109		112		70-130	3		20
Tetrachloroethene	108		109		70-130	1		20
Chlorobenzene	106		104		70-130	2		20
Trichlorofluoromethane	92		97		70-130	5		20
1,2-Dichloroethane	93		99		70-130	6		20
1,1,1-Trichloroethane	97		103		70-130	6		20
Bromodichloromethane	101		106		70-130	5		20
trans-1,3-Dichloropropene	115		118		70-130	3		20
cis-1,3-Dichloropropene	105		112		70-130	6		20
1,1-Dichloropropene	103		110		70-130	7		20
Bromoform	101		128		70-130	24	Q	20
1,1,2,2-Tetrachloroethane	95		104		70-130	9		20
Benzene	102		108		70-130	6		20
Toluene	107		108		70-130	1		20
Ethylbenzene	108		106		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-03,05,11-12 Batch: WG677971-1 WG677971-2								
Chloromethane	104		110		70-130	6		20
Bromomethane	108		120		70-130	11		20
Vinyl chloride	102		107		70-130	5		20
Chloroethane	106		110		70-130	4		20
1,1-Dichloroethene	95		100		70-130	5		20
trans-1,2-Dichloroethene	95		100		70-130	5		20
Trichloroethene	102		108		70-130	6		20
1,2-Dichlorobenzene	108		110		70-130	2		20
1,3-Dichlorobenzene	104		109		70-130	5		20
1,4-Dichlorobenzene	102		106		70-130	4		20
Methyl tert butyl ether	103		112		70-130	8		20
p/m-Xylene	105		106		70-130	1		20
o-Xylene	106		105		70-130	1		20
cis-1,2-Dichloroethene	92		98		70-130	6		20
Dibromomethane	97		103		70-130	6		20
1,2,3-Trichloropropane	100		110		70-130	10		20
Styrene	106		105		70-130	1		20
Dichlorodifluoromethane	108		115		70-130	6		20
Acetone	107		112		70-130	5		20
Carbon disulfide	97		99		70-130	2		20
2-Butanone	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-03,05,11-12 Batch: WG677971-1 WG677971-2								
4-Methyl-2-pentanone	93		105		70-130	12		20
2-Hexanone	102		110		70-130	8		20
Bromochloromethane	96		103		70-130	7		20
Tetrahydrofuran	86		100		70-130	15		20
2,2-Dichloropropane	102		108		70-130	6		20
1,2-Dibromoethane	106		111		70-130	5		20
1,3-Dichloropropane	110		113		70-130	3		20
1,1,1,2-Tetrachloroethane	110		109		70-130	1		20
Bromobenzene	100		105		70-130	5		20
n-Butylbenzene	108		111		70-130	3		20
sec-Butylbenzene	107		110		70-130	3		20
tert-Butylbenzene	103		106		70-130	3		20
o-Chlorotoluene	103		108		70-130	5		20
p-Chlorotoluene	104		108		70-130	4		20
1,2-Dibromo-3-chloropropane	99		109		70-130	10		20
Hexachlorobutadiene	105		108		70-130	3		20
Isopropylbenzene	105		109		70-130	4		20
p-Isopropyltoluene	107		110		70-130	3		20
Naphthalene	101		111		70-130	9		20
n-Propylbenzene	106		111		70-130	5		20
1,2,3-Trichlorobenzene	101		106		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-03,05,11-12 Batch: WG677971-1 WG677971-2								
1,2,4-Trichlorobenzene	106		111		70-130	5		20
1,3,5-Trimethylbenzene	105		109		70-130	4		20
1,2,4-Trimethylbenzene	103		108		70-130	5		20
Ethyl ether	96		105		70-130	9		20
Isopropyl Ether	100		108		70-130	8		20
Ethyl-Tert-Butyl-Ether	104		113		70-130	8		20
Tertiary-Amyl Methyl Ether	103		113		70-130	9		20
1,4-Dioxane	88		111		70-130	23	Q	20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	104		101		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	91		97		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
MCP Volatile Organics - Westborough Lab Associated sample(s): 01,04,06-10 QC Batch ID: WG677387-4 WG677387-5 QC Sample: L1405696-10 Client ID: AX-GW-MW5-031914												
Methylene chloride	ND	10	11	112		11	114		70-130	0		20
1,1-Dichloroethane	ND	10	10	105		11	110		70-130	10		20
Chloroform	ND	10	11	110		12	116		70-130	9		20
Carbon tetrachloride	ND	10	12	118		12	125		70-130	0		20
1,2-Dichloropropane	ND	10	10	101		11	107		70-130	10		20
Dibromochloromethane	ND	10	10	104		10	103		70-130	0		20
1,1,2-Trichloroethane	ND	10	11	108		10	104		70-130	10		20
Tetrachloroethene	ND	10	11	114		11	115		70-130	0		20
Chlorobenzene	ND	10	11	106		10	102		70-130	10		20
1,2-Dichloroethane	ND	10	10	105		11	109		70-130	10		20
1,1,1-Trichloroethane	ND	10	12	116		12	121		70-130	0		20
Bromodichloromethane	ND	10	11	111		12	116		70-130	9		20
trans-1,3-Dichloropropene	ND	10	9.8	99		10	103		70-130	2		20
cis-1,3-Dichloropropene	ND	10	10	106		11	110		70-130	10		20
Bromoform	ND	10	9.4	94		9.6	96		70-130	2		20
1,1,2,2-Tetrachloroethane	ND	10	9.8	98		9.8	98		70-130	0		20
Chloromethane	ND	10	9.1	91		9.4	94		70-130	3		20
Vinyl chloride	ND	10	10	103		10	105		70-130	0		20
Chloroethane	ND	10	11	113		11	114		70-130	0		20
1,1-Dichloroethene	ND	10	12	118		12	122		70-130	0		20
trans-1,2-Dichloroethene	ND	10	11	115		12	119		70-130	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
MCP Volatile Organics - Westborough Lab Associated sample(s): 01,04,06-10 QC Batch ID: WG677387-4 WG677387-5 QC Sample: L1405696-10 Client ID: AX-GW-MW5-031914												
Trichloroethene	ND	10	11	109		11	113		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	102		10	105		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		10	104		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	101		10	103		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	112		12	116		70-130	9		20
Dichlorodifluoromethane	ND	10	8.4	84		9.0	90		70-130	7		20
1,2-Dibromoethane	ND	10	10	106		10	102		70-130	0		20
1,3-Dichloropropane	ND	10	11	108		10	102		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	10	106		11	109		70-130	10		20
o-Chlorotoluene	ND	10	10	101		10	103		70-130	0		20
p-Chlorotoluene	ND	10	10	101		11	106		70-130	10		20
Hexachlorobutadiene	ND	10	11	111		12	118		70-130	9		20
1,2,4-Trichlorobenzene	ND	10	11	110		12	116		70-130	9		20

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichloroethane-d4	100		98		70-130
4-Bromofluorobenzene	100		93		70-130
Dibromofluoromethane	101		103		70-130
Toluene-d8	98		94		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-02
 Client ID: AX-GW-MW4S-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 13:05
 Analyst: JW

Date Collected: 03/18/14 11:50
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-03
 Client ID: AX-GW-MW16S-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 13:18
 Analyst: JW

Date Collected: 03/18/14 13:45
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-04
 Client ID: AX-GW-MW1-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 13:31
 Analyst: JW

Date Collected: 03/18/14 15:20
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-05 D
 Client ID: AX-GW-GZ102D-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/22/14 19:44
 Analyst: JW

Date Collected: 03/18/14 14:10
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	14.0		ug/l	2.50	--	10	A
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-06
 Client ID: AX-GW-GZ102S-031814
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 13:57
 Analyst: JW

Date Collected: 03/18/14 15:40
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-07
 Client ID: AX-GW-GZ2-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 14:11
 Analyst: JW

Date Collected: 03/19/14 09:05
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-08
 Client ID: AX-GW-MW3-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 14:24
 Analyst: JW

Date Collected: 03/19/14 10:20
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-09
 Client ID: AX-GW-GZ3-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 14:37
 Analyst: JW

Date Collected: 03/19/14 11:30
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-10
 Client ID: AX-GW-MW5-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 14:50
 Analyst: JW

Date Collected: 03/19/14 13:45
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-11
 Client ID: AX-GW-GZ103D-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 15:03
 Analyst: JW

Date Collected: 03/19/14 10:10
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:24
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	0.464		ug/l	0.250	--	1	B
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-12
 Client ID: AX-GW-GZ103S-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 15:16
 Analyst: JW

Date Collected: 03/19/14 13:25
 Date Received: 03/19/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/20/14 06:25
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/20/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 03/21/14 15:43
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/20/14 06:24
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/20/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/20/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02-12 Batch: WG676657-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.250	--	A
Aroclor 1262	ND		ug/l	0.250	--	A
Aroclor 1268	ND		ug/l	0.250	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	76		30-150	B

Matrix Spike Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-12 QC Batch ID: WG676657-4 WG676657-5 QC Sample: L1405696-10 Client ID: AX-GW-MW5-031914													
Aroclor 1016	ND	3.12	2.52	81		2.45	78		40-140	3		20	A
Aroclor 1260	ND	3.12	2.60	83		2.53	81		40-140	3		20	A

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>	<i>Column</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>		
2,4,5,6-Tetrachloro-m-xylene	80		75		30-150	A
Decachlorobiphenyl	85		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		78		30-150	B
Decachlorobiphenyl	82		77		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-12 Batch: WG676657-2 WG676657-3									
Aroclor 1016	77		69		40-140	11		20	A
Aroclor 1260	75		70		40-140	6		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		66		30-150	A
Decachlorobiphenyl	66		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		65		30-150	B
Decachlorobiphenyl	63		66		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-02
Client ID: AX-GW-MW4S-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 11:50
Date Received: 03/19/14
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	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-03
Client ID: AX-GW-MW16S-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 13:45
Date Received: 03/19/14
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	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-04
Client ID: AX-GW-MW1-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 15:20
Date Received: 03/19/14
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	8.2		mg/l	5.0	NA	1	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-05
Client ID: AX-GW-GZ102D-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 14:10
Date Received: 03/19/14
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	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-06
Client ID: AX-GW-GZ102S-031814
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/18/14 15:40
Date Received: 03/19/14
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	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-07
Client ID: AX-GW-GZ2-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 09:05
Date Received: 03/19/14
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	8.5		mg/l	5.0	NA	1	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-08
Client ID: AX-GW-MW3-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 10:20
Date Received: 03/19/14
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	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-09
Client ID: AX-GW-GZ3-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 11:30
Date Received: 03/19/14
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	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-10
Client ID: AX-GW-MW5-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 13:45
Date Received: 03/19/14
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	-	03/20/14 12:45	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-11
Client ID: AX-GW-GZ103D-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 10:10
Date Received: 03/19/14
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	56.		mg/l	5.0	NA	1	-	03/20/14 12:10	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

SAMPLE RESULTS

Lab ID: L1405696-12
Client ID: AX-GW-GZ103S-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 13:25
Date Received: 03/19/14
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	7.1		mg/l	5.0	NA	1	-	03/20/14 12:10	30,2540D	DW



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

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): 11-12 Batch: WG676664-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	03/20/14 12:10	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 02-10 Batch: WG676665-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	03/20/14 12:45	30,2540D	DW

Lab Duplicate Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-12 QC Batch ID: WG676664-2 QC Sample: L1405649-01 Client ID: DUP Sample						
Solids, Total Suspended	110	100	mg/l	10		29
General Chemistry - Westborough Lab Associated sample(s): 02-10 QC Batch ID: WG676665-2 QC Sample: L1405604-01 Client ID: DUP Sample						
Solids, Total Suspended	140	140	mg/l	0		29



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent
 B Absent
 C Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405696-01A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-02A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-02B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-02C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-02D	Plastic 1000ml unpreserved	C	7	2.0	Y	Absent	TSS-2540(7)
L1405696-02E	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	MCP-8082-10(365)
L1405696-02F	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	MCP-8082-10(365)
L1405696-03A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-03B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-03C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-03D	Plastic 1000ml unpreserved	C	7	2.0	Y	Absent	TSS-2540(7)
L1405696-03E	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	MCP-8082-10(365)
L1405696-03F	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	MCP-8082-10(365)
L1405696-04A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-04B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-04C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-04D	Plastic 1000ml unpreserved	C	7	2.0	Y	Absent	TSS-2540(7)
L1405696-04E	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	MCP-8082-10(365)
L1405696-04F	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	MCP-8082-10(365)
L1405696-05A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-05B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-05C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-05D	Plastic 1000ml unpreserved	C	7	2.0	Y	Absent	TSS-2540(7)
L1405696-05E	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	MCP-8082-10(365)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405696-05F	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	MCP-8082-10(365)
L1405696-06A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-06B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-06C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-06D	Plastic 1000ml unpreserved	A	7	4.5	Y	Absent	TSS-2540(7)
L1405696-06E	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-06F	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-07A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-07B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-07C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-07D	Plastic 1000ml unpreserved	A	7	4.5	Y	Absent	TSS-2540(7)
L1405696-07E	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-07F	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-08A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-08B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-08C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-08D	Plastic 1000ml unpreserved	A	7	4.5	Y	Absent	TSS-2540(7)
L1405696-08E	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-08F	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-09A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-09B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-09C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-09D	Plastic 1000ml unpreserved	A	7	4.5	Y	Absent	TSS-2540(7)
L1405696-09E	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-09F	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-10A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10A1	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10A2	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10B1	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10B2	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10C1	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10C2	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-10D	Plastic 1000ml unpreserved	A	7	4.5	Y	Absent	TSS-2540(7)
L1405696-10E	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405696-10E1	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-10E2	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-10F	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-10F1	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-10F2	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1405696-11A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-11B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-11C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-11D	Plastic 1000ml unpreserved	A	7	4.5	Y	Absent	TSS-2540(7)
L1405696-11E	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	MCP-8082-10(365)
L1405696-11F	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	MCP-8082-10(365)
L1405696-12A	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-12B	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-12C	Vial HCl preserved	C	N/A	2.0	Y	Absent	MCP-8260-10(14)
L1405696-12D	Plastic 1000ml unpreserved	A	7	4.5	Y	Absent	TSS-2540(7)
L1405696-12E	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	MCP-8082-10(365)
L1405696-12F	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	MCP-8082-10(365)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405696
Report Date: 03/26/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 1 OF 2

Serial_No:03261414:56

Date Rec'd in Lab: 3/19/14

ALPHA Job #: L1405696

Project Information

Project Name: Aerovox

Project Location: New Bedford, MA

Project #: 39744051.20003

Project Manager: J. LeClair/M. Wade

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 3/20/14

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: VRS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@vrs.com

Additional Project Information:

CVOC only

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		SAMPLE INFO	
CVOC: <input checked="" type="checkbox"/> 6280 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	
METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> Field	
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	EPH: <input type="checkbox"/> RCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> Lab to do	
VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> RCP 14 <input type="checkbox"/> RCP 15	Preservation	
ATPCB <input type="checkbox"/> PEST	ATPCB <input type="checkbox"/> PEST	<input type="checkbox"/> Lab to do	
TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
TSS			
Sample Comments			

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS										Sample Comments	TOTAL # BOTTLES	
		Date	Time			CVOC	SVOC	METALS	METALS	EPH	VPH	ATPCB	TPH	TSS				
05(6967)	TB-02	3/18/14		TB		1												1
02	AX-GW-MW4S-031814		1150	GW	CMK	3							2	1				6
03	AX-GW-MW16S-031814		1345	GW	JKH	3							2	1				6
04	AX-GW-MW1-031814		1520	GW	JKH	3							2	1				6
05	AX-GW-GZ102D-031814		1710	GW	CMK	3							2	1				6
06	AX-GW-GZ102S-031814		1540	GW	CMK	3							2	1				6
07	AX-GW-GZ2-031914	3/19/14	0905	GW	JKH	3							2	1				6
08	AX-GW-MW3-031914		1020	GW	JKH	3							2	1				6
09	AX-GW-GZ3-031914		1130	GW	JKH	3							2	1				6
10	AX-GW-MW5-031914		1345	GW	JKH	9							6	1			use extra vol for MSI/MSD	16

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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type	V									A	P				
Preservative	B									A	A				

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>3/19/14 1450</u>	<u>[Signature]</u>	<u>3/19/14 1450</u>
<u>[Signature]</u>	<u>3/19/14 1700</u>	<u>[Signature]</u>	<u>3/19/14 1700</u>

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)



CHAIN OF CUSTODY

PAGE 2 OF 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Aerovox

Project Location: New Bedford, MA

Project #: 39744051.20003

Project Manager: J. LeClair / M. Wade

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 3/26/14

Date Rec'd in Lab: 3/19/14

ALPHA Job #: L14056916

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS

Address: 1155 Elm St, Suite 401
Manchester, NH 03101

Phone: (603) 606-4800

Email: judith.leclair@urs.com

Additional Project Information:

CVOC only

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	SYOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPT3	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	APCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	TSS	SAMPLE INFO	TOTAL # BOTTLES
									Filtration <input type="checkbox"/> Field <input type="checkbox"/> Lab to do	
									Preservation <input type="checkbox"/> Lab to do	
									Sample Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	SYOC	SYOC	METALS	METALS	EPH	VPH	APCB	TPH	TSS	Sample Comments	TOTAL # BOTTLES
		Date	Time													
<u>052096-1/</u>	<u>AX-GW-GZ103D-031914</u>	<u>3/19/14</u>	<u>1010</u>	<u>GW</u>	<u>CMK</u>	<u>3</u>						<u>2</u>	<u>1</u>			<u>6</u>
<u>1/2</u>	<u>AX-GW-GZ103S-031914</u>	<u>3/19/14</u>	<u>1325</u>	<u>GW</u>	<u>CMK</u>	<u>3</u>						<u>2</u>	<u>1</u>			<u>6</u>

- 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= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₈
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V

Preservative B

A

A

P

A

Relinquished By:

Adrienne R. Hoffmann
Y. CMK

Date/Time

3/19/14 1450
3/19/14 1750

Received By:

MSA
Willie Meek

Date/Time

3/19/14 1450
3/19/14 0750

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405696

Instrument ID: Jack.i Calibration Date: 23-MAR-2014 Time: 07:20

Lab File ID: 0323A03 Init. Calib. Date(s): 06-MAR-2 06-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 07:52 13:51

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dichlorodifluoromethane	.59436	.57948	.1	-3	20
chloromethane	1.1336	1.0901	.1	-4	20
vinyl chloride	.92614	.9587	.1	4	20
chloroethane	.49041	.55448	.1	13	20
1,1,-dichloroethene	.49987	.58541	.1	17	20
methylene chloride	.58704	.66668	.1	14	20
trans-1,2-dichloroethene	.56434	.65785	.1	17	20
1,1-dichloroethane	1.4406	1.5507	.2	8	20
cis-1,2-dichloroethene	.6273	.68612	.1	9	20
chloroform	1.0367	1.1777	.2	14	20
carbontetrachloride	.77235	.88428	.1	14	20
1,1,1-trichloroethane	.89953	1.0176	.1	13	20
1,2-dichloroethane	.90699	.98982	.1	9	20
trichloroethene	.59513	.66086	.2	11	20
1,2-dichloropropane	.83868	.89635	.1	7	20
bromodichloromethane	.7528	.87671	.2	16	20
cis-1,3-dichloropropene	.9535	1.0822	.2	14	20
tetrachloroethene	.84549	.86862	.2	3	20
trans-1,3-dichloropropene	.97579	1.0411	.1	7	20
1,1,2-trichloroethane	.46572	.50305	.1	8	20
chlorodibromomethane	.65421	.67967	.1	4	20
1,3-dichloropropane	1.0315	1.0968	.05	6	20
1,2-dibromoethane	.57758	.61866	.1	7	20
chlorobenzene	2.1604	2.2593	.5	5	20
1,1,1,2-tetrachloroethane	.73254	.80008	.05	9	20
bromoform	.67689	.70584	.1	4	20
1,1,2,2,-tetrachloroethane	1.2072	1.2471	.3	3	20
2-chlorotoluene	4.8865	5.0492	.05	3	20
4-chlorotoluene	4.4783	4.5120	.05	1	20
1,3-dichlorobenzene	2.8689	2.8969	.6	1	20
1,4-dichlorobenzene	2.8509	2.9705	.5	4	20
1,2-dichlorobenzene	2.6108	3.1401	.4	20	20
hexachlorobutadiene	.37315	.47236	.05	27	20
1,2,4-trichlorobenzene	1.1067	1.1700	.2	6	20
dibromofluoromethane	.24831	.25842	.05	4	20
1,2-dichloroethane-d4	.32007	.31038	.05	-3	20
toluene-d8	1.2595	1.1891	.01	-6	20

F
F

FORM VII MCP-8260-10



ANALYTICAL REPORT

Lab Number:	L1405818
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20003
Report Date:	03/27/14

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405818-01	TB-03	NEW BEDFORD, MA	03/19/14 00:00
L1405818-02	AX-GW-MW12S-031914	NEW BEDFORD, MA	03/19/14 16:00
L1405818-03	AX-GW-MW11B-031914	NEW BEDFORD, MA	03/19/14 15:20
L1405818-04	AX-GW-MW4B-031914	NEW BEDFORD, MA	03/19/14 17:00
L1405818-05	AX-GW-MW6A-032014	NEW BEDFORD, MA	03/20/14 09:05
L1405818-06	AX-GW-MW6-032014	NEW BEDFORD, MA	03/20/14 10:05
L1405818-07	AX-GW-DUP1-032014	NEW BEDFORD, MA	03/20/14 10:10
L1405818-08	AX-GW-MW4A-032014	NEW BEDFORD, MA	03/20/14 11:30
L1405818-09	AX-GW-MW8S-032014	NEW BEDFORD, MA	03/20/14 10:05
L1405818-10	AX-GW-MW13B-032014	NEW BEDFORD, MA	03/20/14 11:45
L1405818-11	AX-GW-MW13D-032014	NEW BEDFORD, MA	03/20/14 14:15
L1405818-12	AX-GW-MW6B-032014	NEW BEDFORD, MA	03/20/14 13:30
L1405818-13	AX-GW-MW4-032014	NEW BEDFORD, MA	03/20/14 15:30

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

L1405818-13 has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

L1405818-03, -04, -06, -07, -09, -10, -12, and -13: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The continuing calibration standards, associated with L1405818-04 through -13, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as addenda to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

L1405818-10 and -12 contain peaks which match the retention times for aroclor 1242, but do not match the area ratios typical for this aroclor. The result for aroclor 1242 is reported as "weathered".

In reference to question G:

L1405818-06, -07, -10, and -12: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1405818-10 and -12 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (both 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

Non-MCP Related Narratives

Solids, Total Suspended

WG677538: A laboratory duplicate could not be performed due to insufficient sample volume available for analysis.

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:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 03/27/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-01
 Client ID: TB-03
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/25/14 12:42
 Analyst: MM

Date Collected: 03/19/14 00:00
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-01
 Client ID: TB-03
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 00:00
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-02
 Client ID: AX-GW-MW12S-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/25/14 14:48
 Analyst: MM

Date Collected: 03/19/14 16:00
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	3.0		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	1.7		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	10		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	37		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-02
 Client ID: AX-GW-MW12S-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 16:00
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-03 D
 Client ID: AX-GW-MW11B-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/25/14 17:40
 Analyst: MM

Date Collected: 03/19/14 15:20
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	5
1,1-Dichloroethane	ND		ug/l	5.0	--	5
Chloroform	ND		ug/l	5.0	--	5
Carbon tetrachloride	ND		ug/l	5.0	--	5
1,2-Dichloropropane	ND		ug/l	5.0	--	5
Dibromochloromethane	ND		ug/l	5.0	--	5
1,1,2-Trichloroethane	ND		ug/l	5.0	--	5
Tetrachloroethene	220		ug/l	5.0	--	5
Chlorobenzene	ND		ug/l	5.0	--	5
1,2-Dichloroethane	ND		ug/l	5.0	--	5
1,1,1-Trichloroethane	ND		ug/l	5.0	--	5
Bromodichloromethane	ND		ug/l	5.0	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Chloromethane	ND		ug/l	10	--	5
Vinyl chloride	ND		ug/l	5.0	--	5
Chloroethane	ND		ug/l	10	--	5
1,1-Dichloroethene	ND		ug/l	5.0	--	5
trans-1,2-Dichloroethene	ND		ug/l	5.0	--	5
Trichloroethene	11		ug/l	5.0	--	5
1,2-Dichlorobenzene	ND		ug/l	5.0	--	5
1,3-Dichlorobenzene	ND		ug/l	5.0	--	5
1,4-Dichlorobenzene	ND		ug/l	5.0	--	5
cis-1,2-Dichloroethene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	10	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	5
o-Chlorotoluene	ND		ug/l	10	--	5

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-03 D
 Client ID: AX-GW-MW11B-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 15:20
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	10	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
1,2,4-Trichlorobenzene	ND		ug/l	10	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-04 D2
 Client ID: AX-GW-MW4B-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/27/14 07:44
 Analyst: MM

Date Collected: 03/19/14 17:00
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	6200		ug/l	100	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-04 D
 Client ID: AX-GW-MW4B-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 12:30
 Analyst: MM

Date Collected: 03/19/14 17:00
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	50	--	25
1,1-Dichloroethane	ND		ug/l	25	--	25
Chloroform	ND		ug/l	25	--	25
Carbon tetrachloride	ND		ug/l	25	--	25
1,2-Dichloropropane	ND		ug/l	25	--	25
Dibromochloromethane	ND		ug/l	25	--	25
1,1,2-Trichloroethane	ND		ug/l	25	--	25
Tetrachloroethene	30		ug/l	25	--	25
Chlorobenzene	ND		ug/l	25	--	25
1,2-Dichloroethane	ND		ug/l	25	--	25
1,1,1-Trichloroethane	33		ug/l	25	--	25
Bromodichloromethane	ND		ug/l	25	--	25
trans-1,3-Dichloropropene	ND		ug/l	12	--	25
cis-1,3-Dichloropropene	ND		ug/l	12	--	25
Bromoform	ND		ug/l	50	--	25
1,1,2,2-Tetrachloroethane	ND		ug/l	25	--	25
Chloromethane	ND		ug/l	50	--	25
Vinyl chloride	ND		ug/l	25	--	25
Chloroethane	ND		ug/l	50	--	25
1,1-Dichloroethene	ND		ug/l	25	--	25
trans-1,2-Dichloroethene	ND		ug/l	25	--	25
Trichloroethene	5400	E	ug/l	25	--	25
1,2-Dichlorobenzene	ND		ug/l	25	--	25
1,3-Dichlorobenzene	ND		ug/l	25	--	25
1,4-Dichlorobenzene	ND		ug/l	25	--	25
cis-1,2-Dichloroethene	220		ug/l	25	--	25
Dichlorodifluoromethane	ND		ug/l	50	--	25
1,2-Dibromoethane	ND		ug/l	50	--	25
1,3-Dichloropropane	ND		ug/l	50	--	25
1,1,1,2-Tetrachloroethane	ND		ug/l	25	--	25
o-Chlorotoluene	ND		ug/l	50	--	25

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-04 D
 Client ID: AX-GW-MW4B-031914
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/19/14 17:00
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	50	--	25
Hexachlorobutadiene	ND		ug/l	15	--	25
1,2,4-Trichlorobenzene	ND		ug/l	50	--	25

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-05
 Client ID: AX-GW-MW6A-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 13:01
 Analyst: MM

Date Collected: 03/20/14 09:05
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	1.7		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	21		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	6.3		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-05
 Client ID: AX-GW-MW6A-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 09:05
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-06 D
 Client ID: AX-GW-MW6-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 14:05
 Analyst: MM

Date Collected: 03/20/14 10:05
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	40	--	20
1,1-Dichloroethane	ND		ug/l	20	--	20
Chloroform	ND		ug/l	20	--	20
Carbon tetrachloride	ND		ug/l	20	--	20
1,2-Dichloropropane	ND		ug/l	20	--	20
Dibromochloromethane	ND		ug/l	20	--	20
1,1,2-Trichloroethane	ND		ug/l	20	--	20
Tetrachloroethene	ND		ug/l	20	--	20
Chlorobenzene	ND		ug/l	20	--	20
1,2-Dichloroethane	ND		ug/l	20	--	20
1,1,1-Trichloroethane	ND		ug/l	20	--	20
Bromodichloromethane	ND		ug/l	20	--	20
trans-1,3-Dichloropropene	ND		ug/l	10	--	20
cis-1,3-Dichloropropene	ND		ug/l	10	--	20
Bromoform	ND		ug/l	40	--	20
1,1,2,2-Tetrachloroethane	ND		ug/l	20	--	20
Chloromethane	ND		ug/l	40	--	20
Vinyl chloride	39		ug/l	20	--	20
Chloroethane	ND		ug/l	40	--	20
1,1-Dichloroethene	ND		ug/l	20	--	20
trans-1,2-Dichloroethene	ND		ug/l	20	--	20
Trichloroethene	1500		ug/l	20	--	20
1,2-Dichlorobenzene	ND		ug/l	20	--	20
1,3-Dichlorobenzene	ND		ug/l	20	--	20
1,4-Dichlorobenzene	ND		ug/l	20	--	20
cis-1,2-Dichloroethene	700		ug/l	20	--	20
Dichlorodifluoromethane	ND		ug/l	40	--	20
1,2-Dibromoethane	ND		ug/l	40	--	20
1,3-Dichloropropane	ND		ug/l	40	--	20
1,1,1,2-Tetrachloroethane	ND		ug/l	20	--	20
o-Chlorotoluene	ND		ug/l	40	--	20

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-06 D
 Client ID: AX-GW-MW6-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 10:05
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	40	--	20
Hexachlorobutadiene	ND		ug/l	12	--	20
1,2,4-Trichlorobenzene	ND		ug/l	40	--	20

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-07 D
 Client ID: AX-GW-DUP1-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 14:36
 Analyst: MM

Date Collected: 03/20/14 10:10
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	40	--	20
1,1-Dichloroethane	ND		ug/l	20	--	20
Chloroform	ND		ug/l	20	--	20
Carbon tetrachloride	ND		ug/l	20	--	20
1,2-Dichloropropane	ND		ug/l	20	--	20
Dibromochloromethane	ND		ug/l	20	--	20
1,1,2-Trichloroethane	ND		ug/l	20	--	20
Tetrachloroethene	ND		ug/l	20	--	20
Chlorobenzene	ND		ug/l	20	--	20
1,2-Dichloroethane	ND		ug/l	20	--	20
1,1,1-Trichloroethane	ND		ug/l	20	--	20
Bromodichloromethane	ND		ug/l	20	--	20
trans-1,3-Dichloropropene	ND		ug/l	10	--	20
cis-1,3-Dichloropropene	ND		ug/l	10	--	20
Bromoform	ND		ug/l	40	--	20
1,1,2,2-Tetrachloroethane	ND		ug/l	20	--	20
Chloromethane	ND		ug/l	40	--	20
Vinyl chloride	41		ug/l	20	--	20
Chloroethane	ND		ug/l	40	--	20
1,1-Dichloroethene	ND		ug/l	20	--	20
trans-1,2-Dichloroethene	ND		ug/l	20	--	20
Trichloroethene	1600		ug/l	20	--	20
1,2-Dichlorobenzene	ND		ug/l	20	--	20
1,3-Dichlorobenzene	ND		ug/l	20	--	20
1,4-Dichlorobenzene	ND		ug/l	20	--	20
cis-1,2-Dichloroethene	720		ug/l	20	--	20
Dichlorodifluoromethane	ND		ug/l	40	--	20
1,2-Dibromoethane	ND		ug/l	40	--	20
1,3-Dichloropropane	ND		ug/l	40	--	20
1,1,1,2-Tetrachloroethane	ND		ug/l	20	--	20
o-Chlorotoluene	ND		ug/l	40	--	20

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-07 D
 Client ID: AX-GW-DUP1-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 10:10
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	40	--	20
Hexachlorobutadiene	ND		ug/l	12	--	20
1,2,4-Trichlorobenzene	ND		ug/l	40	--	20

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-08
 Client ID: AX-GW-MW4A-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 13:33
 Analyst: MM

Date Collected: 03/20/14 11:30
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	1.5		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	15		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	5.5		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-08
 Client ID: AX-GW-MW4A-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 11:30
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-09 D
 Client ID: AX-GW-MW8S-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 15:08
 Analyst: MM

Date Collected: 03/20/14 10:05
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	200	--	100
1,1-Dichloroethane	ND		ug/l	100	--	100
Chloroform	ND		ug/l	100	--	100
Carbon tetrachloride	ND		ug/l	100	--	100
1,2-Dichloropropane	ND		ug/l	100	--	100
Dibromochloromethane	ND		ug/l	100	--	100
1,1,2-Trichloroethane	ND		ug/l	100	--	100
Tetrachloroethene	ND		ug/l	100	--	100
Chlorobenzene	ND		ug/l	100	--	100
1,2-Dichloroethane	ND		ug/l	100	--	100
1,1,1-Trichloroethane	ND		ug/l	100	--	100
Bromodichloromethane	ND		ug/l	100	--	100
trans-1,3-Dichloropropene	ND		ug/l	50	--	100
cis-1,3-Dichloropropene	ND		ug/l	50	--	100
Bromoform	ND		ug/l	200	--	100
1,1,2,2-Tetrachloroethane	ND		ug/l	100	--	100
Chloromethane	ND		ug/l	200	--	100
Vinyl chloride	1800		ug/l	100	--	100
Chloroethane	ND		ug/l	200	--	100
1,1-Dichloroethene	ND		ug/l	100	--	100
trans-1,2-Dichloroethene	ND		ug/l	100	--	100
Trichloroethene	ND		ug/l	100	--	100
1,2-Dichlorobenzene	ND		ug/l	100	--	100
1,3-Dichlorobenzene	ND		ug/l	100	--	100
1,4-Dichlorobenzene	ND		ug/l	100	--	100
cis-1,2-Dichloroethene	6600		ug/l	100	--	100
Dichlorodifluoromethane	ND		ug/l	200	--	100
1,2-Dibromoethane	ND		ug/l	200	--	100
1,3-Dichloropropane	ND		ug/l	200	--	100
1,1,1,2-Tetrachloroethane	ND		ug/l	100	--	100
o-Chlorotoluene	ND		ug/l	200	--	100

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-09 D
 Client ID: AX-GW-MW8S-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 10:05
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	200	--	100
Hexachlorobutadiene	ND		ug/l	60	--	100
1,2,4-Trichlorobenzene	ND		ug/l	200	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-10 D
 Client ID: AX-GW-MW13B-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 15:39
 Analyst: MM

Date Collected: 03/20/14 11:45
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	800	--	400
1,1-Dichloroethane	ND		ug/l	400	--	400
Chloroform	ND		ug/l	400	--	400
Carbon tetrachloride	ND		ug/l	400	--	400
1,2-Dichloropropane	ND		ug/l	400	--	400
Dibromochloromethane	ND		ug/l	400	--	400
1,1,2-Trichloroethane	ND		ug/l	400	--	400
Tetrachloroethene	ND		ug/l	400	--	400
Chlorobenzene	ND		ug/l	400	--	400
1,2-Dichloroethane	ND		ug/l	400	--	400
1,1,1-Trichloroethane	ND		ug/l	400	--	400
Bromodichloromethane	ND		ug/l	400	--	400
trans-1,3-Dichloropropene	ND		ug/l	200	--	400
cis-1,3-Dichloropropene	ND		ug/l	200	--	400
Bromoform	ND		ug/l	800	--	400
1,1,2,2-Tetrachloroethane	ND		ug/l	400	--	400
Chloromethane	ND		ug/l	800	--	400
Vinyl chloride	620		ug/l	400	--	400
Chloroethane	ND		ug/l	800	--	400
1,1-Dichloroethene	ND		ug/l	400	--	400
trans-1,2-Dichloroethene	ND		ug/l	400	--	400
Trichloroethene	16000		ug/l	400	--	400
1,2-Dichlorobenzene	ND		ug/l	400	--	400
1,3-Dichlorobenzene	ND		ug/l	400	--	400
1,4-Dichlorobenzene	ND		ug/l	400	--	400
cis-1,2-Dichloroethene	3200		ug/l	400	--	400
Dichlorodifluoromethane	ND		ug/l	800	--	400
1,2-Dibromoethane	ND		ug/l	800	--	400
1,3-Dichloropropane	ND		ug/l	800	--	400
1,1,1,2-Tetrachloroethane	ND		ug/l	400	--	400
o-Chlorotoluene	ND		ug/l	800	--	400

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-10 D
 Client ID: AX-GW-MW13B-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 11:45
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	800	--	400
Hexachlorobutadiene	ND		ug/l	240	--	400
1,2,4-Trichlorobenzene	ND		ug/l	800	--	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-11
 Client ID: AX-GW-MW13D-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/27/14 07:12
 Analyst: MM

Date Collected: 03/20/14 14:15
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	1.9		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	1.9		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	3.3		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	3.9		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	20		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	18		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-11
 Client ID: AX-GW-MW13D-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 14:15
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-12 D
 Client ID: AX-GW-MW6B-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 16:11
 Analyst: MM

Date Collected: 03/20/14 13:30
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	80	--	40
1,1-Dichloroethane	ND		ug/l	40	--	40
Chloroform	ND		ug/l	40	--	40
Carbon tetrachloride	ND		ug/l	40	--	40
1,2-Dichloropropane	ND		ug/l	40	--	40
Dibromochloromethane	ND		ug/l	40	--	40
1,1,2-Trichloroethane	ND		ug/l	40	--	40
Tetrachloroethene	ND		ug/l	40	--	40
Chlorobenzene	ND		ug/l	40	--	40
1,2-Dichloroethane	ND		ug/l	40	--	40
1,1,1-Trichloroethane	ND		ug/l	40	--	40
Bromodichloromethane	ND		ug/l	40	--	40
trans-1,3-Dichloropropene	ND		ug/l	20	--	40
cis-1,3-Dichloropropene	ND		ug/l	20	--	40
Bromoform	ND		ug/l	80	--	40
1,1,2,2-Tetrachloroethane	ND		ug/l	40	--	40
Chloromethane	ND		ug/l	80	--	40
Vinyl chloride	68		ug/l	40	--	40
Chloroethane	ND		ug/l	80	--	40
1,1-Dichloroethene	ND		ug/l	40	--	40
trans-1,2-Dichloroethene	ND		ug/l	40	--	40
Trichloroethene	2200		ug/l	40	--	40
1,2-Dichlorobenzene	ND		ug/l	40	--	40
1,3-Dichlorobenzene	ND		ug/l	40	--	40
1,4-Dichlorobenzene	ND		ug/l	40	--	40
cis-1,2-Dichloroethene	900		ug/l	40	--	40
Dichlorodifluoromethane	ND		ug/l	80	--	40
1,2-Dibromoethane	ND		ug/l	80	--	40
1,3-Dichloropropane	ND		ug/l	80	--	40
1,1,1,2-Tetrachloroethane	ND		ug/l	40	--	40
o-Chlorotoluene	ND		ug/l	80	--	40

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-12 D
 Client ID: AX-GW-MW6B-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 13:30
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	80	--	40
Hexachlorobutadiene	ND		ug/l	24	--	40
1,2,4-Trichlorobenzene	ND		ug/l	80	--	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-13 D
 Client ID: AX-GW-MW4-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/26/14 13:54
 Analyst: MM

Date Collected: 03/20/14 15:30
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	5
1,1-Dichloroethane	ND		ug/l	5.0	--	5
Chloroform	ND		ug/l	5.0	--	5
Carbon tetrachloride	ND		ug/l	5.0	--	5
1,2-Dichloropropane	ND		ug/l	5.0	--	5
Dibromochloromethane	ND		ug/l	5.0	--	5
1,1,2-Trichloroethane	ND		ug/l	5.0	--	5
Tetrachloroethene	ND		ug/l	5.0	--	5
Chlorobenzene	22		ug/l	5.0	--	5
1,2-Dichloroethane	ND		ug/l	5.0	--	5
1,1,1-Trichloroethane	ND		ug/l	5.0	--	5
Bromodichloromethane	ND		ug/l	5.0	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Chloromethane	ND		ug/l	10	--	5
Vinyl chloride	29		ug/l	5.0	--	5
Chloroethane	ND		ug/l	10	--	5
1,1-Dichloroethene	ND		ug/l	5.0	--	5
trans-1,2-Dichloroethene	ND		ug/l	5.0	--	5
Trichloroethene	ND		ug/l	5.0	--	5
1,2-Dichlorobenzene	ND		ug/l	5.0	--	5
1,3-Dichlorobenzene	9.6		ug/l	5.0	--	5
1,4-Dichlorobenzene	21		ug/l	5.0	--	5
cis-1,2-Dichloroethene	6.1		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	10	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	5
o-Chlorotoluene	ND		ug/l	10	--	5

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-13 D
 Client ID: AX-GW-MW4-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 15:30
 Date Received: 03/20/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	10	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
1,2,4-Trichlorobenzene	ND		ug/l	10	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	117		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/25/14 07:27
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG677965-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/25/14 07:27
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG677965-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/25/14 07:27
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG677965-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/25/14 09:31
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG677971-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/25/14 09:31
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG677971-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 03/25/14 09:31
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG677971-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	113		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/26/14 07:54
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 13 Batch: WG678130-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/26/14 07:54
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 13 Batch: WG678130-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/26/14 07:54
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 13 Batch: WG678130-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	115		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/26/14 06:11
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 04-10,12 Batch: WG678251-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 03/26/14 06:11
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 04-10,12 Batch: WG678251-3					
p-Chlorotoluene	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/27/14 06:09
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 04,11 Batch: WG678251-6					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/27/14 06:09
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 04,11 Batch: WG678251-6					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 03/27/14 06:09
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 04,11 Batch: WG678251-6					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG677965-1 WG677965-2								
Methylene chloride	99		97		70-130	2		20
1,1-Dichloroethane	102		100		70-130	2		20
Chloroform	101		99		70-130	2		20
Carbon tetrachloride	99		99		70-130	0		20
1,2-Dichloropropane	101		99		70-130	2		20
Dibromochloromethane	108		107		70-130	1		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	101		98		70-130	3		20
Chlorobenzene	99		97		70-130	2		20
Trichlorofluoromethane	104		102		70-130	2		20
1,2-Dichloroethane	98		96		70-130	2		20
1,1,1-Trichloroethane	109		108		70-130	1		20
Bromodichloromethane	105		104		70-130	1		20
trans-1,3-Dichloropropene	101		101		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	102		99		70-130	3		20
Bromoform	109		108		70-130	1		20
1,1,2,2-Tetrachloroethane	102		101		70-130	1		20
Benzene	100		98		70-130	2		20
Toluene	100		97		70-130	3		20
Ethylbenzene	97		96		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG677965-1 WG677965-2								
Chloromethane	107		101		70-130	6		20
Bromomethane	104		104		70-130	0		20
Vinyl chloride	106		101		70-130	5		20
Chloroethane	104		99		70-130	5		20
1,1-Dichloroethene	103		100		70-130	3		20
trans-1,2-Dichloroethene	103		100		70-130	3		20
Trichloroethene	102		99		70-130	3		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	105		105		70-130	0		20
p/m-Xylene	99		97		70-130	2		20
o-Xylene	98		96		70-130	2		20
cis-1,2-Dichloroethene	101		98		70-130	3		20
Dibromomethane	98		97		70-130	1		20
1,2,3-Trichloropropane	100		99		70-130	1		20
Styrene	97		96		70-130	1		20
Dichlorodifluoromethane	119		113		70-130	5		20
Acetone	118		106		70-130	11		20
Carbon disulfide	106		103		70-130	3		20
2-Butanone	108		101		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG677965-1 WG677965-2								
4-Methyl-2-pentanone	103		101		70-130	2		20
2-Hexanone	105		101		70-130	4		20
Bromochloromethane	100		98		70-130	2		20
Tetrahydrofuran	99		97		70-130	2		20
2,2-Dichloropropane	104		106		70-130	2		20
1,2-Dibromoethane	100		99		70-130	1		20
1,3-Dichloropropane	98		97		70-130	1		20
1,1,1,2-Tetrachloroethane	110		109		70-130	1		20
Bromobenzene	101		99		70-130	2		20
n-Butylbenzene	106		104		70-130	2		20
sec-Butylbenzene	105		103		70-130	2		20
tert-Butylbenzene	102		100		70-130	2		20
o-Chlorotoluene	100		99		70-130	1		20
p-Chlorotoluene	101		100		70-130	1		20
1,2-Dibromo-3-chloropropane	99		99		70-130	0		20
Hexachlorobutadiene	107		105		70-130	2		20
Isopropylbenzene	99		97		70-130	2		20
p-Isopropyltoluene	105		103		70-130	2		20
Naphthalene	106		107		70-130	1		20
n-Propylbenzene	101		98		70-130	3		20
1,2,3-Trichlorobenzene	104		106		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG677965-1 WG677965-2								
1,2,4-Trichlorobenzene	106		107		70-130	1		20
1,3,5-Trimethylbenzene	102		100		70-130	2		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
Ethyl ether	101		99		70-130	2		20
Isopropyl Ether	100		98		70-130	2		20
Ethyl-Tert-Butyl-Ether	110		111		70-130	1		20
Tertiary-Amyl Methyl Ether	111		111		70-130	0		20
1,4-Dioxane	114		105		70-130	8		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	101		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG677971-1 WG677971-2								
Methylene chloride	101		91		70-130	10		20
1,1-Dichloroethane	94		100		70-130	6		20
Chloroform	96		99		70-130	3		20
Carbon tetrachloride	100		104		70-130	4		20
1,2-Dichloropropane	101		108		70-130	7		20
Dibromochloromethane	113		115		70-130	2		20
1,1,2-Trichloroethane	109		112		70-130	3		20
Tetrachloroethene	108		109		70-130	1		20
Chlorobenzene	106		104		70-130	2		20
Trichlorofluoromethane	92		97		70-130	5		20
1,2-Dichloroethane	93		99		70-130	6		20
1,1,1-Trichloroethane	97		103		70-130	6		20
Bromodichloromethane	101		106		70-130	5		20
trans-1,3-Dichloropropene	115		118		70-130	3		20
cis-1,3-Dichloropropene	105		112		70-130	6		20
1,1-Dichloropropene	103		110		70-130	7		20
Bromoform	101		128		70-130	24	Q	20
1,1,2,2-Tetrachloroethane	95		104		70-130	9		20
Benzene	102		108		70-130	6		20
Toluene	107		108		70-130	1		20
Ethylbenzene	108		106		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
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Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG677971-1 WG677971-2								
Chloromethane	104		110		70-130	6		20
Bromomethane	108		120		70-130	11		20
Vinyl chloride	102		107		70-130	5		20
Chloroethane	106		110		70-130	4		20
1,1-Dichloroethene	95		100		70-130	5		20
trans-1,2-Dichloroethene	95		100		70-130	5		20
Trichloroethene	102		108		70-130	6		20
1,2-Dichlorobenzene	108		110		70-130	2		20
1,3-Dichlorobenzene	104		109		70-130	5		20
1,4-Dichlorobenzene	102		106		70-130	4		20
Methyl tert butyl ether	103		112		70-130	8		20
p/m-Xylene	105		106		70-130	1		20
o-Xylene	106		105		70-130	1		20
cis-1,2-Dichloroethene	92		98		70-130	6		20
Dibromomethane	97		103		70-130	6		20
1,2,3-Trichloropropane	100		110		70-130	10		20
Styrene	106		105		70-130	1		20
Dichlorodifluoromethane	108		115		70-130	6		20
Acetone	107		112		70-130	5		20
Carbon disulfide	97		99		70-130	2		20
2-Butanone	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG677971-1 WG677971-2								
4-Methyl-2-pentanone	93		105		70-130	12		20
2-Hexanone	102		110		70-130	8		20
Bromochloromethane	96		103		70-130	7		20
Tetrahydrofuran	86		100		70-130	15		20
2,2-Dichloropropane	102		108		70-130	6		20
1,2-Dibromoethane	106		111		70-130	5		20
1,3-Dichloropropane	110		113		70-130	3		20
1,1,1,2-Tetrachloroethane	110		109		70-130	1		20
Bromobenzene	100		105		70-130	5		20
n-Butylbenzene	108		111		70-130	3		20
sec-Butylbenzene	107		110		70-130	3		20
tert-Butylbenzene	103		106		70-130	3		20
o-Chlorotoluene	103		108		70-130	5		20
p-Chlorotoluene	104		108		70-130	4		20
1,2-Dibromo-3-chloropropane	99		109		70-130	10		20
Hexachlorobutadiene	105		108		70-130	3		20
Isopropylbenzene	105		109		70-130	4		20
p-Isopropyltoluene	107		110		70-130	3		20
Naphthalene	101		111		70-130	9		20
n-Propylbenzene	106		111		70-130	5		20
1,2,3-Trichlorobenzene	101		106		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
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Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG677971-1 WG677971-2								
1,2,4-Trichlorobenzene	106		111		70-130	5		20
1,3,5-Trimethylbenzene	105		109		70-130	4		20
1,2,4-Trimethylbenzene	103		108		70-130	5		20
Ethyl ether	96		105		70-130	9		20
Isopropyl Ether	100		108		70-130	8		20
Ethyl-Tert-Butyl-Ether	104		113		70-130	8		20
Tertiary-Amyl Methyl Ether	103		113		70-130	9		20
1,4-Dioxane	88		111		70-130	23	Q	20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	104		101		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	91		97		70-130

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 13 Batch: WG678130-1 WG678130-2								
Methylene chloride	89		114		70-130	25	Q	20
1,1-Dichloroethane	101		104		70-130	3		20
Chloroform	100		102		70-130	2		20
Carbon tetrachloride	98		102		70-130	4		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	95		95		70-130	0		20
1,1,2-Trichloroethane	96		97		70-130	1		20
Tetrachloroethene	104		101		70-130	3		20
Chlorobenzene	107		105		70-130	2		20
Trichlorofluoromethane	102		104		70-130	2		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	103		103		70-130	0		20
Bromodichloromethane	96		99		70-130	3		20
trans-1,3-Dichloropropene	98		98		70-130	0		20
cis-1,3-Dichloropropene	95		97		70-130	2		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	89		90		70-130	1		20
1,1,2,2-Tetrachloroethane	101		104		70-130	3		20
Benzene	100		98		70-130	2		20
Toluene	104		104		70-130	0		20
Ethylbenzene	106		105		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 13 Batch: WG678130-1 WG678130-2								
Chloromethane	103		106		70-130	3		20
Bromomethane	95		103		70-130	8		20
Vinyl chloride	114		115		70-130	1		20
Chloroethane	130		129		70-130	1		20
1,1-Dichloroethene	108		107		70-130	1		20
trans-1,2-Dichloroethene	106		106		70-130	0		20
Trichloroethene	100		101		70-130	1		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	104		104		70-130	0		20
1,4-Dichlorobenzene	101		104		70-130	3		20
Methyl tert butyl ether	99		100		70-130	1		20
p/m-Xylene	108		107		70-130	1		20
o-Xylene	110		106		70-130	4		20
cis-1,2-Dichloroethene	101		104		70-130	3		20
Dibromomethane	103		101		70-130	2		20
1,2,3-Trichloropropane	106		108		70-130	2		20
Styrene	119		122		70-130	2		20
Dichlorodifluoromethane	126		126		70-130	0		20
Acetone	112		113		70-130	1		20
Carbon disulfide	115		119		70-130	3		20
2-Butanone	105		102		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 13 Batch: WG678130-1 WG678130-2								
4-Methyl-2-pentanone	100		106		70-130	6		20
2-Hexanone	103		105		70-130	2		20
Bromochloromethane	106		105		70-130	1		20
Tetrahydrofuran	101		101		70-130	0		20
2,2-Dichloropropane	101		101		70-130	0		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	103		103		70-130	0		20
1,1,1,2-Tetrachloroethane	93		93		70-130	0		20
Bromobenzene	102		105		70-130	3		20
n-Butylbenzene	103		103		70-130	0		20
sec-Butylbenzene	105		104		70-130	1		20
tert-Butylbenzene	102		102		70-130	0		20
o-Chlorotoluene	103		102		70-130	1		20
p-Chlorotoluene	103		104		70-130	1		20
1,2-Dibromo-3-chloropropane	113		99		70-130	13		20
Hexachlorobutadiene	108		100		70-130	8		20
Isopropylbenzene	104		103		70-130	1		20
p-Isopropyltoluene	104		104		70-130	0		20
Naphthalene	103		104		70-130	1		20
n-Propylbenzene	105		103		70-130	2		20
1,2,3-Trichlorobenzene	102		104		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
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Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 13 Batch: WG678130-1 WG678130-2								
1,2,4-Trichlorobenzene	102		108		70-130	6		20
1,3,5-Trimethylbenzene	101		103		70-130	2		20
1,2,4-Trimethylbenzene	103		102		70-130	1		20
Ethyl ether	104		105		70-130	1		20
Isopropyl Ether	96		97		70-130	1		20
Ethyl-Tert-Butyl-Ether	96		96		70-130	0		20
Tertiary-Amyl Methyl Ether	94		98		70-130	4		20
1,4-Dioxane	84		109		70-130	26	Q	20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	95		93		70-130
Toluene-d8	102		99		70-130
4-Bromofluorobenzene	98		95		70-130
Dibromofluoromethane	101		98		70-130

Lab Control Sample Analysis

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Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 04-10,12 Batch: WG678251-1 WG678251-2								
Methylene chloride	104		99		70-130	5		20
1,1-Dichloroethane	105		99		70-130	6		20
Chloroform	103		99		70-130	4		20
Carbon tetrachloride	84		88		70-130	5		20
1,2-Dichloropropane	103		98		70-130	5		20
Dibromochloromethane	92		92		70-130	0		20
1,1,2-Trichloroethane	104		98		70-130	6		20
Tetrachloroethene	108		100		70-130	8		20
Chlorobenzene	107		100		70-130	7		20
1,2-Dichloroethane	103		97		70-130	6		20
1,1,1-Trichloroethane	97		97		70-130	0		20
Bromodichloromethane	96		95		70-130	1		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	94		93		70-130	1		20
Bromoform	84		84		70-130	0		20
1,1,2,2-Tetrachloroethane	102		96		70-130	6		20
Chloromethane	111		104		70-130	7		20
Vinyl chloride	118		112		70-130	5		20
Chloroethane	108		103		70-130	5		20
1,1-Dichloroethene	107		100		70-130	7		20
trans-1,2-Dichloroethene	107		99		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 04-10,12 Batch: WG678251-1 WG678251-2								
Trichloroethene	107		100		70-130	7		20
1,2-Dichlorobenzene	108		101		70-130	7		20
1,3-Dichlorobenzene	109		100		70-130	9		20
1,4-Dichlorobenzene	108		100		70-130	8		20
cis-1,2-Dichloroethene	105		98		70-130	7		20
Dichlorodifluoromethane	129		119		70-130	8		20
1,2-Dibromoethane	101		98		70-130	3		20
1,3-Dichloropropane	103		98		70-130	5		20
1,1,1,2-Tetrachloroethane	94		94		70-130	0		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	109		100		70-130	9		20
Hexachlorobutadiene	105		96		70-130	9		20
1,2,4-Trichlorobenzene	102		96		70-130	6		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
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Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 04,11 Batch: WG678251-4 WG678251-5								
Methylene chloride	106		100		70-130	6		20
1,1-Dichloroethane	105		102		70-130	3		20
Chloroform	104		101		70-130	3		20
Carbon tetrachloride	79		86		70-130	8		20
1,2-Dichloropropane	102		99		70-130	3		20
Dibromochloromethane	88		92		70-130	4		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	107		104		70-130	3		20
Chlorobenzene	106		104		70-130	2		20
Trichlorofluoromethane	111		102		70-130	8		20
1,2-Dichloroethane	101		99		70-130	2		20
1,1,1-Trichloroethane	95		100		70-130	5		20
Bromodichloromethane	95		96		70-130	1		20
trans-1,3-Dichloropropene	77		82		70-130	6		20
cis-1,3-Dichloropropene	93		96		70-130	3		20
1,1-Dichloropropene	106		103		70-130	3		20
Bromoform	79		83		70-130	5		20
1,1,2,2-Tetrachloroethane	94		92		70-130	2		20
Benzene	110		106		70-130	4		20
Toluene	108		104		70-130	4		20
Ethylbenzene	112		108		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 04,11 Batch: WG678251-4 WG678251-5								
Chloromethane	109		107		70-130	2		20
Bromomethane	93		95		70-130	2		20
Vinyl chloride	117		114		70-130	3		20
Chloroethane	111		106		70-130	5		20
1,1-Dichloroethene	107		102		70-130	5		20
trans-1,2-Dichloroethene	107		102		70-130	5		20
Trichloroethene	106		102		70-130	4		20
1,2-Dichlorobenzene	104		100		70-130	4		20
1,3-Dichlorobenzene	105		102		70-130	3		20
1,4-Dichlorobenzene	105		102		70-130	3		20
Methyl tert butyl ether	96		96		70-130	0		20
p/m-Xylene	113		110		70-130	3		20
o-Xylene	112		109		70-130	3		20
cis-1,2-Dichloroethene	105		101		70-130	4		20
Dibromomethane	99		98		70-130	1		20
1,2,3-Trichloropropane	95		91		70-130	4		20
Styrene	112		109		70-130	3		20
Dichlorodifluoromethane	126		120		70-130	5		20
Acetone	101		94		70-130	7		20
Carbon disulfide	110		108		70-130	2		20
2-Butanone	92		94		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 04,11 Batch: WG678251-4 WG678251-5								
4-Methyl-2-pentanone	90		90		70-130	0		20
2-Hexanone	95		95		70-130	0		20
Bromochloromethane	102		99		70-130	3		20
Tetrahydrofuran	95		91		70-130	4		20
2,2-Dichloropropane	74		80		70-130	8		20
1,2-Dibromoethane	98		98		70-130	0		20
1,3-Dichloropropane	99		97		70-130	2		20
1,1,1,2-Tetrachloroethane	93		96		70-130	3		20
Bromobenzene	102		98		70-130	4		20
n-Butylbenzene	115		112		70-130	3		20
sec-Butylbenzene	115		112		70-130	3		20
tert-Butylbenzene	111		108		70-130	3		20
o-Chlorotoluene	108		104		70-130	4		20
p-Chlorotoluene	107		104		70-130	3		20
1,2-Dibromo-3-chloropropane	81		87		70-130	7		20
Hexachlorobutadiene	107		106		70-130	1		20
Isopropylbenzene	112		109		70-130	3		20
p-Isopropyltoluene	116		112		70-130	4		20
Naphthalene	89		89		70-130	0		20
n-Propylbenzene	114		111		70-130	3		20
1,2,3-Trichlorobenzene	94		93		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 04,11 Batch: WG678251-4 WG678251-5								
1,2,4-Trichlorobenzene	98		95		70-130	3		20
1,3,5-Trimethylbenzene	112		108		70-130	4		20
1,2,4-Trimethylbenzene	110		106		70-130	4		20
Ethyl ether	102		98		70-130	4		20
Isopropyl Ether	102		100		70-130	2		20
Ethyl-Tert-Butyl-Ether	95		95		70-130	0		20
Tertiary-Amyl Methyl Ether	94		94		70-130	0		20
1,4-Dioxane	116		99		70-130	16		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	102		101		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-02
 Client ID: AX-GW-MW12S-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 15:56
 Analyst: JW

Date Collected: 03/19/14 16:00
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-03
 Client ID: AX-GW-MW11B-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 16:09
 Analyst: JW

Date Collected: 03/19/14 15:20
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-04
 Client ID: AX-GW-MW4B-031914
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 16:22
 Analyst: JW

Date Collected: 03/19/14 17:00
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	2.04		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-05
 Client ID: AX-GW-MW6A-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 16:36
 Analyst: JW

Date Collected: 03/20/14 09:05
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	1.25		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-06 D
 Client ID: AX-GW-MW6-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/26/14 12:39
 Analyst: JW

Date Collected: 03/20/14 10:05
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	1.25	--	5	A
Aroclor 1221	ND		ug/l	1.25	--	5	A
Aroclor 1232	ND		ug/l	1.25	--	5	A
Aroclor 1242	10.5		ug/l	1.25	--	5	A
Aroclor 1248	ND		ug/l	1.25	--	5	A
Aroclor 1254	ND		ug/l	1.25	--	5	A
Aroclor 1260	ND		ug/l	1.25	--	5	A
Aroclor 1262	ND		ug/l	1.25	--	5	A
Aroclor 1268	ND		ug/l	1.25	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-07 D
 Client ID: AX-GW-DUP1-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/26/14 12:53
 Analyst: JW

Date Collected: 03/20/14 10:10
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	1.25	--	5	A
Aroclor 1221	ND		ug/l	1.25	--	5	A
Aroclor 1232	ND		ug/l	1.25	--	5	A
Aroclor 1242	13.4		ug/l	1.25	--	5	A
Aroclor 1248	ND		ug/l	1.25	--	5	A
Aroclor 1254	ND		ug/l	1.25	--	5	A
Aroclor 1260	ND		ug/l	1.25	--	5	A
Aroclor 1262	ND		ug/l	1.25	--	5	A
Aroclor 1268	ND		ug/l	1.25	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-08
 Client ID: AX-GW-MW4A-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 17:16
 Analyst: JW

Date Collected: 03/20/14 11:30
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	0.520		ug/l	0.250	--	1	B
Aroclor 1254	0.497		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-09
 Client ID: AX-GW-MW8S-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 17:29
 Analyst: JW

Date Collected: 03/20/14 10:05
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	1.08		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	0.606		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-10 D
 Client ID: AX-GW-MW13B-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/26/14 13:20
 Analyst: JW

Date Collected: 03/20/14 11:45
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	22.7		ug/l	2.50	--	10	A
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-11
 Client ID: AX-GW-MW13D-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 17:55
 Analyst: JW

Date Collected: 03/20/14 14:15
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-12 D
 Client ID: AX-GW-MW6B-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/26/14 13:07
 Analyst: JW

Date Collected: 03/20/14 13:30
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	17.4		ug/l	2.50	--	10	A
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-13
 Client ID: AX-GW-MW4-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/21/14 18:22
 Analyst: JW

Date Collected: 03/20/14 15:30
 Date Received: 03/20/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
 Analytical Date: 03/21/14 18:35
 Analyst: JW

Extraction Method: EPA 3510C
 Extraction Date: 03/21/14 07:41
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/21/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/21/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02-13 Batch: WG676964-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.250	--	A
Aroclor 1262	ND		ug/l	0.250	--	A
Aroclor 1268	ND		ug/l	0.250	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	97		30-150	B
Decachlorobiphenyl	92		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-13 Batch: WG676964-2 WG676964-3									
Aroclor 1016	85		97		40-140	14		20	A
Aroclor 1260	98		117		40-140	17		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		89		30-150	A
Decachlorobiphenyl	86		107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		84		30-150	B
Decachlorobiphenyl	90		108		30-150	B



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-02
Client ID: AX-GW-MW12S-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 16:00
Date Received: 03/20/14
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	27.		mg/l	5.0	NA	1	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-03
Client ID: AX-GW-MW11B-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 15:20
Date Received: 03/20/14
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	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-04
Client ID: AX-GW-MW4B-031914
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/19/14 17:00
Date Received: 03/20/14
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	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-05
Client ID: AX-GW-MW6A-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 09:05
Date Received: 03/20/14
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	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-06
Client ID: AX-GW-MW6-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 10:05
Date Received: 03/20/14
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	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-07
Client ID: AX-GW-DUP1-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 10:10
Date Received: 03/20/14
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	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-08
Client ID: AX-GW-MW4A-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 11:30
Date Received: 03/20/14
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	11.		mg/l	5.0	NA	1	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-09
Client ID: AX-GW-MW8S-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 10:05
Date Received: 03/20/14
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	16.		mg/l	5.0	NA	1	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-10
Client ID: AX-GW-MW13B-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 11:45
Date Received: 03/20/14
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	46.		mg/l	5.0	NA	1	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-11
Client ID: AX-GW-MW13D-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 14:15
Date Received: 03/20/14
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	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-12
Client ID: AX-GW-MW6B-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 13:30
Date Received: 03/20/14
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	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

SAMPLE RESULTS

Lab ID: L1405818-13
Client ID: AX-GW-MW4-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 15:30
Date Received: 03/20/14
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	36.		mg/l	5.0	NA	1	-	03/24/14 19:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

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): 02-11 Batch: WG677538-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	03/24/14 19:00	30,2540D	JT
General Chemistry - Westborough Lab for sample(s): 12-13 Batch: WG677593-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	03/24/14 19:00	30,2540D	JT

Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 12-13 QC Batch ID: WG677593-2 QC Sample: L1405987-01 Client ID: DUP Sample						
Solids, Total Suspended	2400	2400	mg/l	0		29

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent
 B Absent
 C Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405818-01A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-02A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-02B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-02C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-02D	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-02E	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-02F	Plastic 1000ml unpreserved	C	7	3.0	Y	Absent	TSS-2540(7)
L1405818-03A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-03B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-03C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-03D	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-03E	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-03F	Plastic 1000ml unpreserved	C	7	3.0	Y	Absent	TSS-2540(7)
L1405818-04A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-04B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-04C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-04D	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-04E	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-04F	Plastic 1000ml unpreserved	C	7	3.0	Y	Absent	TSS-2540(7)
L1405818-05A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-05B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-05C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-05D	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-05E	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405818-05F	Plastic 1000ml unpreserved	C	7	3.0	Y	Absent	TSS-2540(7)
L1405818-06A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-06B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-06C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-06D	Amber 1000ml unpreserved	B	7	3.5	Y	Absent	MCP-8082-10(365)
L1405818-06E	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-06F	Plastic 1000ml unpreserved	C	7	3.0	Y	Absent	TSS-2540(7)
L1405818-07A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-07B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-07C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-07D	Amber 1000ml unpreserved	B	7	3.5	Y	Absent	MCP-8082-10(365)
L1405818-07E	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	MCP-8082-10(365)
L1405818-07F	Plastic 1000ml unpreserved	C	7	3.0	Y	Absent	TSS-2540(7)
L1405818-08A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-08B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-08C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-08D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-08E	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-08F	Plastic 1000ml unpreserved	B	7	3.5	Y	Absent	TSS-2540(7)
L1405818-09A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-09B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-09C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-09D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-09E	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-09F	Plastic 1000ml unpreserved	B	7	3.5	Y	Absent	TSS-2540(7)
L1405818-10A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-10B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-10C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-10D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-10E	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-10F	Plastic 1000ml unpreserved	A	7	3.1	Y	Absent	TSS-2540(7)
L1405818-11A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-11B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-11C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-11D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-11E	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405818-11F	Plastic 1000ml unpreserved	A	7	3.1	Y	Absent	TSS-2540(7)
L1405818-12A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-12B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-12C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-12D	Amber 1000ml unpreserved	B	7	3.5	Y	Absent	MCP-8082-10(365)
L1405818-12E	Amber 1000ml unpreserved	B	7	3.5	Y	Absent	MCP-8082-10(365)
L1405818-12F	Plastic 1000ml unpreserved	B	7	3.5	Y	Absent	TSS-2540(7)
L1405818-13A	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-13B	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-13C	Vial HCl preserved	C	N/A	3.0	Y	Absent	MCP-8260-10(14)
L1405818-13D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-13E	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	MCP-8082-10(365)
L1405818-13F	Plastic 1000ml unpreserved	A	7	3.1	Y	Absent	TSS-2540(7)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1405818
Report Date: 03/27/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405818

Instrument ID: Jack.i Calibration Date: 26-MAR-2014 Time: 06:16

Lab File ID: 0326A02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:20 13:58

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.49527	.62696	.1	27	20	F
chloromethane	100	103	.1	3	20	
vinyl chloride	.91218	1.0424	.1	14	20	
bromomethane	.29117	.27735	.1	-5	20	
chloroethane	.44462	.57811	.1	30	20	F
trichlorofluoromethane	.96972	.98498	.1	2	20	
ethyl ether	.2816	.29452	.05	5	20	
1,1,-dichloroethene	.57317	.61646	.1	8	20	
carbon disulfide	1.3889	1.5942	.1	15	20	
freon-113	.63314	.68185	.1	8	20	
iodomethane	.37278	.32764	.05	-12	20	
acrolein	.14016	.15495	.05	11	20	
methylene chloride	.59834	.53424	.1	-11	20	
acetone	100	112	.1	12	20	
trans-1,2-dichloroethene	.65128	.68887	.1	6	20	
methyl acetate	.43017	.4413	.1	3	20	
methyl tert butyl ether	1.3014	1.2840	.1	-1	20	
tert butyl alcohol	.04678	.04777	.05	2	20	F
Diisopropyl Ether	2.8471	2.7236	.01	-4	20	
1,1-dichloroethane	1.5632	1.5727	.2	1	20	
acrylonitrile	.21841	.24047	.05	10	20	
Halothane	.49604	.51152	.05	3	20	
Ethyl-Tert-Butyl-Ether	2.2696	2.1753	.05	-4	20	
vinyl acetate	1.5145	1.4833	.05	-2	20	
cis-1,2-dichloroethene	.71409	.72347	.1	1	20	
2,2-dichloropropane	.97271	.97984	.05	1	20	
cyclohexane	1.8338	1.9695	.01	7	30	
bromochloromethane	.3082	.32668	.05	6	20	
chloroform	1.1828	1.1791	.2	0	20	
carbontetrachloride	.89326	.87688	.1	-2	20	
tetrahydrofuran	.20231	.20496	.05	1	20	
ethyl acetate	.5616	.5442	.05	-3	20	
1,1,1-trichloroethane	1.0162	1.0440	.1	3	20	
1,1-dichloropropene	.92538	.92654	.05	0	20	
2-butanone	.24149	.25354	.1	5	20	
benzene	2.6154	2.6024	.5	0	20	
Tertiary-Amyl Methyl Ether	1.3454	1.2627	.05	-6	20	
1,2-dichloroethane	.93584	.93947	.1	0	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405818

Instrument ID: Jack.i Calibration Date: 26-MAR-2014 Time: 06:16

Lab File ID: 0326A02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:20 13:58

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
methyl cyclohexane	.9805	1.0299	.01	5	30
trichloroethene	.63791	.64171	.2	1	20
dibromomethane	.31962	.32828	.05	3	20
1,2-dichloropropane	.83876	.83655	.1	0	20
bromodichloromethane	.82605	.79699	.2	-4	20
1,4-dioxane	.00423	.00354	.05	-16	20
2-chloroethylvinyl ether	.3725	.37605	.05	1	20
cis-1,3-dichloropropene	.98705	.93344	.2	-5	20
toluene	2.0122	2.0886	.4	4	20
tetrachloroethene	.87149	.90573	.2	4	20
4-methyl-2-pentanone	.20046	.19988	.1	0	20
trans-1,3-dichloropropene	.97089	.94628	.1	-3	20
1,1,2-trichloroethane	.46399	.44354	.1	-4	20
ethyl-methacrylate	.72397	.81426	.01	12	30
chlorodibromomethane	.65484	.62249	.1	-5	20
1,3-dichloropropane	.97005	.99608	.05	3	20
1,2-dibromoethane	.56653	.55269	.1	-2	20
2-hexanone	.42284	.43538	.1	3	20
chlorobenzene	2.1785	2.3302	.5	7	20
ethyl benzene	3.8004	4.0269	.1	6	20
1,1,1,2-tetrachloroethane	.77297	.72035	.05	-7	20
p/m xylene	1.4987	1.6204	.1	8	20
o xylene	1.3908	1.5229	.3	10	20
bromoform	.65445	.58021	.1	-11	20
styrene	2.3580	2.8088	.3	19	20
isopropylbenzene	6.7198	6.9939	.1	4	20
bromobenzene	1.6180	1.6552	.05	2	20
n-propylbenzene	7.1776	7.5190	.05	5	20
1,4-dichlorobutane	2.5333	2.6350	.01	4	20
1,1,2,2,-tetrachloroethane	1.0971	1.1124	.3	1	20
4-ethyltoluene	6.6232	6.8966	.05	4	20
2-chlorotoluene	5.0164	5.1533	.05	3	20
1,2,3-trichloropropane	.87607	.92907	.05	6	20
1,3,5-trimethylbenzene	5.2320	5.3055	.05	1	20
trans-1,4-dichloro-2-butene	.19049	.18874	.05	-1	20
4-chlorotoluene	4.4812	4.6268	.05	3	20
tert-butylbenzene	4.3508	4.4598	.05	3	20
1,2,4-trimethylbenzene	5.2492	5.3986	.05	3	20

F

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405818

Instrument ID: Quimby.i Calibration Date: 26-MAR-2014 Time: 04:36

Lab File ID: 0326A01 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:07 13:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.37755	.48807	.1	29	20	F
chloromethane	.55134	.61419	.1	11	20	
vinyl chloride	.41894	.49686	.1	19	20	
bromomethane	.2956	.29214	.1	-1	20	
chloroethane	.32297	.34829	.1	8	20	
trichlorofluoromethane	.69441	.7561	.1	9	20	
ethyl ether	.19311	.20696	.05	7	20	
acrolein	.07673	.08133	.05	6	20	
freon-113	.44236	.48668	.1	10	20	
acetone	.09354	.09808	.1	5	20	F
1,1,-dichloroethene	.42433	.45559	.1	7	20	
tert-butyl alcohol	.01716	.01644	.05	-4	20	F
iodomethane	.33434	.33565	.05	0	20	
methyl acetate	.21402	.21588	.01	1	20	
methylene chloride	.4706	.49063	.1	4	20	
carbon disulfide	1.0746	1.1713	.1	9	20	
acrylonitrile	.1387	.14092	.05	2	20	
methyl tert butyl ether	.83635	.86657	.1	4	20	
Halothane	.34383	.3602	.05	5	20	
trans-1,2-dichloroethene	.46727	.49943	.1	7	20	
Diisopropyl Ether	1.7593	1.8308	.05	4	20	
vinyl acetate	.67567	.59912	.05	-11	20	
1,1-dichloroethane	.97574	1.0233	.2	5	20	
Ethyl-Tert-Butyl-Ether	1.3260	1.3829	.05	4	20	
2-butanone	.13501	.13506	.1	0	20	
2,2-dichloropropane	.46611	.40083	.05	-14	20	
ethyl acetate	.25963	.28096	.05	8	20	
cis-1,2-dichloroethene	.50063	.52777	.1	5	20	
chloroform	.81007	.83532	.2	3	20	
bromochloromethane	.20718	.21351	.05	3	20	
tetrahydrofuran	.08878	.08835	.05	0	20	
1,1,1-trichloroethane	.67564	.65781	.1	-3	20	
cyclohexane	1.1643	1.3031	.01	12	30	
1,1-dichloropropene	.69545	.74737	.05	7	20	
carbontetrachloride	.53815	.45423	.1	-16	20	
Tertiary-Amyl Methyl Ether	.87246	.90309	.05	4	20	
1,2-dichloroethane	.63126	.64856	.1	3	20	
benzene	1.8091	1.9885	.5	10	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405818

Instrument ID: Quimby.i Calibration Date: 26-MAR-2014 Time: 04:36

Lab File ID: 0326A01 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:07 13:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D
trichloroethene	.49594	.52909	.2	7	20
methyl cyclohexane	.84918	.94546	.01	11	30
1,2-dichloropropane	.55529	.57214	.1	3	20
bromodichloromethane	.57605	.55016	.2	-4	20
1,4-dioxane	.00242	.00562	.05	132	20
dibromomethane	.2212	.22604	.05	2	20
2-chloroethylvinyl ether	.18542	.20223	.05	9	20
4-methyl-2-pentanone	.13235	.13123	.1	-1	20
cis-1,3-dichloropropene	.61107	.57345	.2	-6	20
toluene	1.5027	1.5955	.4	6	20
ethyl-methacrylate	.43002	.50716	.01	18	30
trans-1,3-dichloropropene	.58796	.50868	.1	-13	20
2-hexanone	.24277	.24828	.1	2	20
1,1,2-trichloroethane	.33156	.34533	.1	4	20
1,3-dichloropropane	.72477	.74988	.05	3	20
tetrachloroethene	.65863	.70967	.2	8	20
chlorodibromomethane	.43466	.39963	.1	-8	20
1,2-dibromoethane	.3744	.3789	.1	1	20
chlorobenzene	1.6152	1.7314	.5	7	20
1,1,1,2-tetrachloroethane	.4734	.44338	.05	-6	20
ethyl benzene	2.8011	3.1979	.1	14	20
p/m xylene	1.1089	1.2481	.1	13	20
o xylene	1.0425	1.1585	.3	11	20
styrene	1.5988	1.8924	.31	18	20
isopropylbenzene	2.8251	3.2226	.1	14	20
bromoform	.46063	.38452	.1	-17	20
1,4-dichlorobutane	1.7893	1.8257	.01	2	30
1,1,2,2,-tetrachloroethane	.86592	.88707	.3	2	20
1,2,3-trichloropropane	.67315	.69621	.05	3	20
trans-1,4-dichloro-2-butene	.30126	.27835	.05	-8	20
n-propylbenzene	6.1148	7.2229	.05	18	20
bromobenzene	1.2513	1.3316	.05	6	20
4-ethyltoluene	2.3343	2.7017	.05	16	20
1,3,5-trimethylbenzene	4.5406	5.1527	.05	13	20
2-chlorotoluene	4.4212	4.8438	.05	10	20
4-chlorotoluene	4.0192	4.3791	.05	9	20
tert-butylbenzene	3.9705	4.3880	.05	11	20
1,2,4-trimethylbenzene	4.534	5.0705	.05	12	20

F

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405818

Instrument ID: Quimby.i Calibration Date: 27-MAR-2014 Time: 04:35

Lab File ID: 0327A01 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:07 13:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.37755	.47688	.1	26	20	F
chloromethane	.55134	.60153	.1	9	20	
vinyl chloride	.41894	.49127	.1	17	20	
bromomethane	.2956	.27577	.1	-7	20	
chloroethane	.32297	.35751	.1	11	20	
trichlorofluoromethane	.69441	.77372	.1	11	20	
ethyl ether	.19311	.19717	.05	2	20	
acrolein	.07673	.07396	.05	-4	20	
freon-113	.44236	.48512	.1	10	20	
acetone	100	101	.1	1	20	
1,1,-dichloroethene	.42433	.45295	.1	7	20	
tert-butyl alcohol	.01716	.01395	.05	-19	20	F
iodomethane	.35707	.3207	.05	-10	20	
methyl acetate	.21402	.19714	.01	-8	20	
methylene chloride	.4706	.49669	.1	6	20	
carbon disulfide	1.0746	1.1809	.1	10	20	
acrylonitrile	.1387	.1303	.05	-6	20	
methyl tert butyl ether	.83635	.80711	.1	-3	20	
Halothane	.34383	.35691	.05	4	20	
trans-1,2-dichloroethene	.46727	.5013	.1	7	20	
Diisopropyl Ether	1.7593	1.7971	.05	2	20	
vinyl acetate	.67567	.56939	.05	-16	20	
1,1-dichloroethane	.97574	1.0275	.2	5	20	
Ethyl-Tert-Butyl-Ether	1.3260	1.2630	.05	-5	20	
2-butanone	.13501	.12413	.1	-8	20	
2,2-dichloropropane	100	74.077	.05	-26	20	F
ethyl acetate	100	90.989	.05	-9	20	
cis-1,2-dichloroethene	.50063	.52478	.1	5	20	
chloroform	.81007	.8418	.2	4	20	
bromochloromethane	.20718	.21132	.05	2	20	
tetrahydrofuran	.08878	.0844	.05	-5	20	
1,1,1-trichloroethane	.67564	.64364	.1	-5	20	
cyclohexane	1.1643	1.2805	.01	10	30	
1,1-dichloropropene	.69545	.73447	.05	6	20	
carbontetrachloride	100	79.203	.1	-21	20	F
Tertiary-Amyl Methyl Ether	.87246	.81764	.05	-6	20	
1,2-dichloroethane	.63126	.63906	.1	1	20	
benzene	1.8091	1.9945	.5	10	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1405818

Instrument ID: Quimby.i Calibration Date: 27-MAR-2014 Time: 04:35

Lab File ID: 0327A01 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:07 13:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
trichloroethene	.49594	.5237	.2	6	20	
methyl cyclohexane	.84918	.93759	.01	10	30	
1,2-dichloropropane	.55529	.5667	.1	2	20	
bromodichloromethane	.57605	.54553	.2	-5	20	
1,4-dioxane	.00242	.00281	.05	16	20	F
dibromomethane	.2212	.21893	.05	-1	20	
2-chloroethylvinyl ether	.18542	.18142	.05	-2	20	
4-methyl-2-pentanone	.13235	.11934	.1	-10	20	
cis-1,3-dichloropropene	.61107	.56687	.2	-7	20	
toluene	1.5027	1.6160	.4	8	20	
ethyl-methacrylate	100	90.864	.01	-9	0	F
trans-1,3-dichloropropene	100	76.724	.1	-23	20	F
2-hexanone	.24277	.2317	.1	-5	20	
1,1,2-trichloroethane	.33156	.33266	.1	0	20	
1,3-dichloropropane	.72477	.71863	.05	-1	20	
tetrachloroethene	.65863	.70679	.2	7	20	
chlorodibromomethane	.43466	.38054	.1	-12	20	
1,2-dibromoethane	.3744	.36768	.1	-2	20	
chlorobenzene	1.6152	1.7203	.5	7	20	
1,1,1,2-tetrachloroethane	.4734	.44212	.05	-7	20	
ethyl benzene	2.8947	3.2318	.1	12	20	
p/m xylene	1.1089	1.2581	.1	13	20	
o xylene	1.0425	1.1688	.3	12	20	
styrene	1.6584	1.8606	.31	12	20	
isopropylbenzene	2.9108	3.2652	.1	12	20	
bromoform	.46063	.36281	.1	-21	20	F
1,4-dichlorobutane	1.7893	1.7027	.01	-5	30	
1,1,2,2,-tetrachloroethane	.86592	.81481	.3	-6	20	
1,2,3-trichloropropane	.67315	.63859	.05	-5	20	
trans-1,4-dichloro-2-butene	.30126	.273	.05	-9	20	
n-propylbenzene	6.3297	7.2419	.05	14	20	
bromobenzene	1.2513	1.2811	.05	2	20	
4-ethyltoluene	2.4079	2.7408	.05	14	20	
1,3,5-trimethylbenzene	4.5406	5.0809	.05	12	20	
2-chlorotoluene	4.4212	4.7938	.05	8	20	
4-chlorotoluene	4.0192	4.2960	.05	7	20	
tert-butylbenzene	3.9705	4.4180	.05	11	20	
1,2,4-trimethylbenzene	4.534	4.9876	.05	10	20	

FORM VII MCP-8260-10



ANALYTICAL REPORT

Lab Number:	L1406002
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20003
Report Date:	03/28/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1406002-01	TB-04	NEW BEDFORD, MA	03/20/14 00:00
L1406002-02	AX-GW-MW10D-032014	NEW BEDFORD, MA	03/20/14 16:00
L1406002-03	AX-GW-MW2B-032114	NEW BEDFORD, MA	03/21/14 09:10
L1406002-04	AX-GW-MW2-032114	NEW BEDFORD, MA	03/21/14 10:45
L1406002-05	AX-GW-DUP2-032114	NEW BEDFORD, MA	03/21/14 10:50
L1406002-06	AX-GW-MW2A-032114	NEW BEDFORD, MA	03/21/14 12:10
L1406002-07	AX-GW-MW19S-032114	NEW BEDFORD, MA	03/21/14 08:55
L1406002-08	AX-GW-MW19D-032114	NEW BEDFORD, MA	03/21/14 10:30
L1406002-09	AX-GW-MW3A-032114	NEW BEDFORD, MA	03/21/14 14:20
L1406002-10	AX-GW-MW17D-032114	NEW BEDFORD, MA	03/21/14 13:05
L1406002-11	AX-GW-DUP3-032114	NEW BEDFORD, MA	03/21/14 13:10
L1406002-12	AX-GW-MW17B-032114	NEW BEDFORD, MA	03/21/14 15:30

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L1406002-02 through -05, -08, -10, -11, and -12: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The WG678631-4/-5 MS/MSD recoveries, performed on L1406002-08, are outside the acceptance criteria for trichloroethene (20%/37%) and cis-1,2-dichloroethene (MS at 56%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the sample utilized for the MS/MSD. The continuing calibration standard, associated with L1406002-01 through -12, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as addenda to this report.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

L1406002-02 through -06, -08, -10, -11, and -12 contain peaks which match the retention times for aroclor 1242, but do not match the area ratios typical for this aroclor. The result for aroclor 1242 is reported as "weathered".

In reference to question G:

L1406002-02 through -05, -08, -10, -11, and -12: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1406002-02, -03, -10, -11, and -12 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Case Narrative (continued)


Non-MCP Related Narratives

Solids, Total Suspended

WG677796: A laboratory duplicate could not be performed due to insufficient sample volume available for analysis.

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: 03/28/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-01
 Client ID: TB-04
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 07:19
 Analyst: MM

Date Collected: 03/20/14 00:00
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-01
 Client ID: TB-04
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 00:00
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-02 D
 Client ID: AX-GW-MW10D-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 08:22
 Analyst: MM

Date Collected: 03/20/14 16:00
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	400	--	200
1,1-Dichloroethane	ND		ug/l	200	--	200
Chloroform	ND		ug/l	200	--	200
Carbon tetrachloride	ND		ug/l	200	--	200
1,2-Dichloropropane	ND		ug/l	200	--	200
Dibromochloromethane	ND		ug/l	200	--	200
1,1,2-Trichloroethane	ND		ug/l	200	--	200
Tetrachloroethene	ND		ug/l	200	--	200
Chlorobenzene	ND		ug/l	200	--	200
1,2-Dichloroethane	ND		ug/l	200	--	200
1,1,1-Trichloroethane	ND		ug/l	200	--	200
Bromodichloromethane	ND		ug/l	200	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	200	--	200
Chloromethane	ND		ug/l	400	--	200
Vinyl chloride	510		ug/l	200	--	200
Chloroethane	ND		ug/l	400	--	200
1,1-Dichloroethene	ND		ug/l	200	--	200
trans-1,2-Dichloroethene	ND		ug/l	200	--	200
Trichloroethene	11000		ug/l	200	--	200
1,2-Dichlorobenzene	ND		ug/l	200	--	200
1,3-Dichlorobenzene	ND		ug/l	200	--	200
1,4-Dichlorobenzene	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	3500		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	400	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	400	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	200	--	200
o-Chlorotoluene	ND		ug/l	400	--	200

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-02 D
 Client ID: AX-GW-MW10D-032014
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/20/14 16:00
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	400	--	200
Hexachlorobutadiene	ND		ug/l	120	--	200
1,2,4-Trichlorobenzene	ND		ug/l	400	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-03 D
 Client ID: AX-GW-MW2B-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 11:00
 Analyst: MM

Date Collected: 03/21/14 09:10
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	200	--	100
1,1-Dichloroethane	ND		ug/l	100	--	100
Chloroform	ND		ug/l	100	--	100
Carbon tetrachloride	ND		ug/l	100	--	100
1,2-Dichloropropane	ND		ug/l	100	--	100
Dibromochloromethane	ND		ug/l	100	--	100
1,1,2-Trichloroethane	ND		ug/l	100	--	100
Tetrachloroethene	ND		ug/l	100	--	100
Chlorobenzene	ND		ug/l	100	--	100
1,2-Dichloroethane	ND		ug/l	100	--	100
1,1,1-Trichloroethane	ND		ug/l	100	--	100
Bromodichloromethane	ND		ug/l	100	--	100
trans-1,3-Dichloropropene	ND		ug/l	50	--	100
cis-1,3-Dichloropropene	ND		ug/l	50	--	100
Bromoform	ND		ug/l	200	--	100
1,1,2,2-Tetrachloroethane	ND		ug/l	100	--	100
Chloromethane	ND		ug/l	200	--	100
Vinyl chloride	160		ug/l	100	--	100
Chloroethane	ND		ug/l	200	--	100
1,1-Dichloroethene	ND		ug/l	100	--	100
trans-1,2-Dichloroethene	ND		ug/l	100	--	100
Trichloroethene	3800		ug/l	100	--	100
1,2-Dichlorobenzene	ND		ug/l	100	--	100
1,3-Dichlorobenzene	ND		ug/l	100	--	100
1,4-Dichlorobenzene	ND		ug/l	100	--	100
cis-1,2-Dichloroethene	1400		ug/l	100	--	100
Dichlorodifluoromethane	ND		ug/l	200	--	100
1,2-Dibromoethane	ND		ug/l	200	--	100
1,3-Dichloropropane	ND		ug/l	200	--	100
1,1,1,2-Tetrachloroethane	ND		ug/l	100	--	100
o-Chlorotoluene	ND		ug/l	200	--	100

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-03 D
 Client ID: AX-GW-MW2B-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 09:10
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	200	--	100
Hexachlorobutadiene	ND		ug/l	60	--	100
1,2,4-Trichlorobenzene	ND		ug/l	200	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-04 D
 Client ID: AX-GW-MW2-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 11:32
 Analyst: MM

Date Collected: 03/21/14 10:45
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	5
1,1-Dichloroethane	ND		ug/l	5.0	--	5
Chloroform	ND		ug/l	5.0	--	5
Carbon tetrachloride	ND		ug/l	5.0	--	5
1,2-Dichloropropane	ND		ug/l	5.0	--	5
Dibromochloromethane	ND		ug/l	5.0	--	5
1,1,2-Trichloroethane	ND		ug/l	5.0	--	5
Tetrachloroethene	ND		ug/l	5.0	--	5
Chlorobenzene	450		ug/l	5.0	--	5
1,2-Dichloroethane	ND		ug/l	5.0	--	5
1,1,1-Trichloroethane	ND		ug/l	5.0	--	5
Bromodichloromethane	ND		ug/l	5.0	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Chloromethane	ND		ug/l	10	--	5
Vinyl chloride	ND		ug/l	5.0	--	5
Chloroethane	ND		ug/l	10	--	5
1,1-Dichloroethene	ND		ug/l	5.0	--	5
trans-1,2-Dichloroethene	ND		ug/l	5.0	--	5
Trichloroethene	ND		ug/l	5.0	--	5
1,2-Dichlorobenzene	7.9		ug/l	5.0	--	5
1,3-Dichlorobenzene	34		ug/l	5.0	--	5
1,4-Dichlorobenzene	72		ug/l	5.0	--	5
cis-1,2-Dichloroethene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	10	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	5
o-Chlorotoluene	ND		ug/l	10	--	5

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-04 D
 Client ID: AX-GW-MW2-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 10:45
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	10	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
1,2,4-Trichlorobenzene	ND		ug/l	10	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-05 D
 Client ID: AX-GW-DUP2-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 12:03
 Analyst: MM

Date Collected: 03/21/14 10:50
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	5
1,1-Dichloroethane	ND		ug/l	5.0	--	5
Chloroform	ND		ug/l	5.0	--	5
Carbon tetrachloride	ND		ug/l	5.0	--	5
1,2-Dichloropropane	ND		ug/l	5.0	--	5
Dibromochloromethane	ND		ug/l	5.0	--	5
1,1,2-Trichloroethane	ND		ug/l	5.0	--	5
Tetrachloroethene	ND		ug/l	5.0	--	5
Chlorobenzene	460		ug/l	5.0	--	5
1,2-Dichloroethane	ND		ug/l	5.0	--	5
1,1,1-Trichloroethane	ND		ug/l	5.0	--	5
Bromodichloromethane	ND		ug/l	5.0	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Chloromethane	ND		ug/l	10	--	5
Vinyl chloride	ND		ug/l	5.0	--	5
Chloroethane	ND		ug/l	10	--	5
1,1-Dichloroethene	ND		ug/l	5.0	--	5
trans-1,2-Dichloroethene	ND		ug/l	5.0	--	5
Trichloroethene	ND		ug/l	5.0	--	5
1,2-Dichlorobenzene	8.4		ug/l	5.0	--	5
1,3-Dichlorobenzene	35		ug/l	5.0	--	5
1,4-Dichlorobenzene	74		ug/l	5.0	--	5
cis-1,2-Dichloroethene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	10	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	5
o-Chlorotoluene	ND		ug/l	10	--	5

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-05 D
 Client ID: AX-GW-DUP2-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 10:50
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	10	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
1,2,4-Trichlorobenzene	ND		ug/l	10	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-06
 Client ID: AX-GW-MW2A-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 13:39
 Analyst: MM

Date Collected: 03/21/14 12:10
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	38		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	10		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	5.7		ug/l	1.0	--	1
1,4-Dichlorobenzene	8.6		ug/l	1.0	--	1
cis-1,2-Dichloroethene	8.9		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-06
 Client ID: AX-GW-MW2A-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 12:10
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-07
 Client ID: AX-GW-MW19S-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 14:12
 Analyst: MM

Date Collected: 03/21/14 08:55
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	4.6		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	1.4		ug/l	1.0	--	1
Trichloroethene	17		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	120		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-07
 Client ID: AX-GW-MW19S-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 08:55
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	122		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-08 D
 Client ID: AX-GW-MW19D-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 07:51
 Analyst: MM

Date Collected: 03/21/14 10:30
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	100	--	50
1,1-Dichloroethane	ND		ug/l	50	--	50
Chloroform	ND		ug/l	50	--	50
Carbon tetrachloride	ND		ug/l	50	--	50
1,2-Dichloropropane	ND		ug/l	50	--	50
Dibromochloromethane	ND		ug/l	50	--	50
1,1,2-Trichloroethane	ND		ug/l	50	--	50
Tetrachloroethene	ND		ug/l	50	--	50
Chlorobenzene	ND		ug/l	50	--	50
1,2-Dichloroethane	ND		ug/l	50	--	50
1,1,1-Trichloroethane	ND		ug/l	50	--	50
Bromodichloromethane	ND		ug/l	50	--	50
trans-1,3-Dichloropropene	ND		ug/l	25	--	50
cis-1,3-Dichloropropene	ND		ug/l	25	--	50
Bromoform	ND		ug/l	100	--	50
1,1,2,2-Tetrachloroethane	ND		ug/l	50	--	50
Chloromethane	ND		ug/l	100	--	50
Vinyl chloride	110		ug/l	50	--	50
Chloroethane	ND		ug/l	100	--	50
1,1-Dichloroethene	ND		ug/l	50	--	50
trans-1,2-Dichloroethene	ND		ug/l	50	--	50
Trichloroethene	3700		ug/l	50	--	50
1,2-Dichlorobenzene	ND		ug/l	50	--	50
1,3-Dichlorobenzene	ND		ug/l	50	--	50
1,4-Dichlorobenzene	ND		ug/l	50	--	50
cis-1,2-Dichloroethene	2500		ug/l	50	--	50
Dichlorodifluoromethane	ND		ug/l	100	--	50
1,2-Dibromoethane	ND		ug/l	100	--	50
1,3-Dichloropropane	ND		ug/l	100	--	50
1,1,1,2-Tetrachloroethane	ND		ug/l	50	--	50
o-Chlorotoluene	ND		ug/l	100	--	50

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-08 D
 Client ID: AX-GW-MW19D-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 10:30
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	100	--	50
Hexachlorobutadiene	ND		ug/l	30	--	50
1,2,4-Trichlorobenzene	ND		ug/l	100	--	50

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-09
 Client ID: AX-GW-MW3A-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 14:45
 Analyst: MM

Date Collected: 03/21/14 14:20
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	99		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	1.1		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	1.4		ug/l	1.0	--	1
1,4-Dichlorobenzene	2.6		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-09
 Client ID: AX-GW-MW3A-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 14:20
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-10 D
 Client ID: AX-GW-MW17D-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 12:35
 Analyst: MM

Date Collected: 03/21/14 13:05
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	100	--	50
1,1-Dichloroethane	ND		ug/l	50	--	50
Chloroform	ND		ug/l	50	--	50
Carbon tetrachloride	ND		ug/l	50	--	50
1,2-Dichloropropane	ND		ug/l	50	--	50
Dibromochloromethane	ND		ug/l	50	--	50
1,1,2-Trichloroethane	ND		ug/l	50	--	50
Tetrachloroethene	ND		ug/l	50	--	50
Chlorobenzene	ND		ug/l	50	--	50
1,2-Dichloroethane	ND		ug/l	50	--	50
1,1,1-Trichloroethane	ND		ug/l	50	--	50
Bromodichloromethane	ND		ug/l	50	--	50
trans-1,3-Dichloropropene	ND		ug/l	25	--	50
cis-1,3-Dichloropropene	ND		ug/l	25	--	50
Bromoform	ND		ug/l	100	--	50
1,1,2,2-Tetrachloroethane	ND		ug/l	50	--	50
Chloromethane	ND		ug/l	100	--	50
Vinyl chloride	190		ug/l	50	--	50
Chloroethane	ND		ug/l	100	--	50
1,1-Dichloroethene	ND		ug/l	50	--	50
trans-1,2-Dichloroethene	ND		ug/l	50	--	50
Trichloroethene	4200		ug/l	50	--	50
1,2-Dichlorobenzene	ND		ug/l	50	--	50
1,3-Dichlorobenzene	ND		ug/l	50	--	50
1,4-Dichlorobenzene	ND		ug/l	50	--	50
cis-1,2-Dichloroethene	1600		ug/l	50	--	50
Dichlorodifluoromethane	ND		ug/l	100	--	50
1,2-Dibromoethane	ND		ug/l	100	--	50
1,3-Dichloropropane	ND		ug/l	100	--	50
1,1,1,2-Tetrachloroethane	ND		ug/l	50	--	50
o-Chlorotoluene	ND		ug/l	100	--	50

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-10 D
 Client ID: AX-GW-MW17D-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 13:05
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	100	--	50
Hexachlorobutadiene	ND		ug/l	30	--	50
1,2,4-Trichlorobenzene	ND		ug/l	100	--	50

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-11 D
 Client ID: AX-GW-DUP3-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 13:06
 Analyst: MM

Date Collected: 03/21/14 13:10
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	100	--	50
1,1-Dichloroethane	ND		ug/l	50	--	50
Chloroform	ND		ug/l	50	--	50
Carbon tetrachloride	ND		ug/l	50	--	50
1,2-Dichloropropane	ND		ug/l	50	--	50
Dibromochloromethane	ND		ug/l	50	--	50
1,1,2-Trichloroethane	ND		ug/l	50	--	50
Tetrachloroethene	68		ug/l	50	--	50
Chlorobenzene	ND		ug/l	50	--	50
1,2-Dichloroethane	ND		ug/l	50	--	50
1,1,1-Trichloroethane	ND		ug/l	50	--	50
Bromodichloromethane	ND		ug/l	50	--	50
trans-1,3-Dichloropropene	ND		ug/l	25	--	50
cis-1,3-Dichloropropene	ND		ug/l	25	--	50
Bromoform	ND		ug/l	100	--	50
1,1,2,2-Tetrachloroethane	ND		ug/l	50	--	50
Chloromethane	ND		ug/l	100	--	50
Vinyl chloride	260		ug/l	50	--	50
Chloroethane	ND		ug/l	100	--	50
1,1-Dichloroethene	ND		ug/l	50	--	50
trans-1,2-Dichloroethene	ND		ug/l	50	--	50
Trichloroethene	4700		ug/l	50	--	50
1,2-Dichlorobenzene	ND		ug/l	50	--	50
1,3-Dichlorobenzene	ND		ug/l	50	--	50
1,4-Dichlorobenzene	ND		ug/l	50	--	50
cis-1,2-Dichloroethene	2000		ug/l	50	--	50
Dichlorodifluoromethane	ND		ug/l	100	--	50
1,2-Dibromoethane	ND		ug/l	100	--	50
1,3-Dichloropropane	ND		ug/l	100	--	50
1,1,1,2-Tetrachloroethane	ND		ug/l	50	--	50
o-Chlorotoluene	ND		ug/l	100	--	50

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-11 D
 Client ID: AX-GW-DUP3-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 13:10
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	100	--	50
Hexachlorobutadiene	ND		ug/l	30	--	50
1,2,4-Trichlorobenzene	ND		ug/l	100	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-12 D
 Client ID: AX-GW-MW17B-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 13:38
 Analyst: MM

Date Collected: 03/21/14 15:30
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	100	--	50
1,1-Dichloroethane	ND		ug/l	50	--	50
Chloroform	ND		ug/l	50	--	50
Carbon tetrachloride	ND		ug/l	50	--	50
1,2-Dichloropropane	ND		ug/l	50	--	50
Dibromochloromethane	ND		ug/l	50	--	50
1,1,2-Trichloroethane	ND		ug/l	50	--	50
Tetrachloroethene	65		ug/l	50	--	50
Chlorobenzene	ND		ug/l	50	--	50
1,2-Dichloroethane	ND		ug/l	50	--	50
1,1,1-Trichloroethane	ND		ug/l	50	--	50
Bromodichloromethane	ND		ug/l	50	--	50
trans-1,3-Dichloropropene	ND		ug/l	25	--	50
cis-1,3-Dichloropropene	ND		ug/l	25	--	50
Bromoform	ND		ug/l	100	--	50
1,1,2,2-Tetrachloroethane	ND		ug/l	50	--	50
Chloromethane	ND		ug/l	100	--	50
Vinyl chloride	250		ug/l	50	--	50
Chloroethane	ND		ug/l	100	--	50
1,1-Dichloroethene	ND		ug/l	50	--	50
trans-1,2-Dichloroethene	ND		ug/l	50	--	50
Trichloroethene	4600		ug/l	50	--	50
1,2-Dichlorobenzene	ND		ug/l	50	--	50
1,3-Dichlorobenzene	ND		ug/l	50	--	50
1,4-Dichlorobenzene	ND		ug/l	50	--	50
cis-1,2-Dichloroethene	1900		ug/l	50	--	50
Dichlorodifluoromethane	ND		ug/l	100	--	50
1,2-Dibromoethane	ND		ug/l	100	--	50
1,3-Dichloropropane	ND		ug/l	100	--	50
1,1,1,2-Tetrachloroethane	ND		ug/l	50	--	50
o-Chlorotoluene	ND		ug/l	100	--	50

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-12 D
 Client ID: AX-GW-MW17B-032114
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/21/14 15:30
 Date Received: 03/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	100	--	50
Hexachlorobutadiene	ND		ug/l	30	--	50
1,2,4-Trichlorobenzene	ND		ug/l	100	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 08:12
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 06-07,09 Batch: WG678616-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 08:12
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 06-07,09 Batch: WG678616-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 08:12
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 06-07,09 Batch: WG678616-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	121		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/28/14 06:48
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-05,08,10-12 Batch: WG678631-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 06:48
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-05,08,10-12 Batch: WG678631-3					
p-Chlorotoluene	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 06-07,09 Batch: WG678616-1 WG678616-2								
Methylene chloride	107		100		70-130	7		20
1,1-Dichloroethane	103		101		70-130	2		20
Chloroform	103		102		70-130	1		20
Carbon tetrachloride	101		101		70-130	0		20
1,2-Dichloropropane	96		96		70-130	0		20
Dibromochloromethane	82		91		70-130	10		20
1,1,2-Trichloroethane	88		87		70-130	1		20
Tetrachloroethene	92		98		70-130	6		20
Chlorobenzene	95		100		70-130	5		20
Trichlorofluoromethane	107		104		70-130	3		20
1,2-Dichloroethane	101		97		70-130	4		20
1,1,1-Trichloroethane	104		102		70-130	2		20
Bromodichloromethane	99		99		70-130	0		20
trans-1,3-Dichloropropene	88		93		70-130	6		20
cis-1,3-Dichloropropene	97		96		70-130	1		20
1,1-Dichloropropene	100		102		70-130	2		20
Bromoform	82		86		70-130	5		20
1,1,2,2-Tetrachloroethane	92		94		70-130	2		20
Benzene	100		98		70-130	2		20
Toluene	97		100		70-130	3		20
Ethylbenzene	98		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 06-07,09 Batch: WG678616-1 WG678616-2								
Chloromethane	115		112		70-130	3		20
Bromomethane	120		111		70-130	8		20
Vinyl chloride	122		119		70-130	2		20
Chloroethane	121		130		70-130	7		20
1,1-Dichloroethene	111		111		70-130	0		20
trans-1,2-Dichloroethene	111		109		70-130	2		20
Trichloroethene	102		101		70-130	1		20
1,2-Dichlorobenzene	92		103		70-130	11		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	97		97		70-130	0		20
Methyl tert butyl ether	97		98		70-130	1		20
p/m-Xylene	97		102		70-130	5		20
o-Xylene	96		104		70-130	8		20
cis-1,2-Dichloroethene	104		101		70-130	3		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	97		99		70-130	2		20
Styrene	109		97		70-130	12		20
Dichlorodifluoromethane	129		129		70-130	0		20
Acetone	114		113		70-130	1		20
Carbon disulfide	121		120		70-130	1		20
2-Butanone	93		95		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 06-07,09 Batch: WG678616-1 WG678616-2								
4-Methyl-2-pentanone	99		96		70-130	3		20
2-Hexanone	88		96		70-130	9		20
Bromochloromethane	109		105		70-130	4		20
Tetrahydrofuran	95		93		70-130	2		20
2,2-Dichloropropane	102		100		70-130	2		20
1,2-Dibromoethane	90		90		70-130	0		20
1,3-Dichloropropane	95		93		70-130	2		20
1,1,1,2-Tetrachloroethane	84		90		70-130	7		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	96		96		70-130	0		20
sec-Butylbenzene	96		98		70-130	2		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		99		70-130	1		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	100		90		70-130	11		20
Hexachlorobutadiene	99		101		70-130	2		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	97		99		70-130	2		20
Naphthalene	95		97		70-130	2		20
n-Propylbenzene	97		99		70-130	2		20
1,2,3-Trichlorobenzene	96		99		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 06-07,09 Batch: WG678616-1 WG678616-2								
1,2,4-Trichlorobenzene	99		101		70-130	2		20
1,3,5-Trimethylbenzene	96		97		70-130	1		20
1,2,4-Trimethylbenzene	95		98		70-130	3		20
Ethyl ether	104		108		70-130	4		20
Isopropyl Ether	92		92		70-130	0		20
Ethyl-Tert-Butyl-Ether	92		90		70-130	2		20
Tertiary-Amyl Methyl Ether	94		92		70-130	2		20
1,4-Dioxane	88		90		70-130	2		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	96		98		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-05,08,10-12 Batch: WG678631-1 WG678631-2								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	99		99		70-130	0		20
Chloroform	98		97		70-130	1		20
Carbon tetrachloride	76		79		70-130	4		20
1,2-Dichloropropane	98		97		70-130	1		20
Dibromochloromethane	86		88		70-130	2		20
1,1,2-Trichloroethane	99		97		70-130	2		20
Tetrachloroethene	101		98		70-130	3		20
Chlorobenzene	102		100		70-130	2		20
1,2-Dichloroethane	98		97		70-130	1		20
1,1,1-Trichloroethane	91		93		70-130	2		20
Bromodichloromethane	91		93		70-130	2		20
trans-1,3-Dichloropropene	76		79		70-130	4		20
cis-1,3-Dichloropropene	89		91		70-130	2		20
Bromoform	78		81		70-130	4		20
1,1,2,2-Tetrachloroethane	98		95		70-130	3		20
Chloromethane	96		96		70-130	0		20
Vinyl chloride	107		107		70-130	0		20
Chloroethane	102		100		70-130	2		20
1,1-Dichloroethene	98		97		70-130	1		20
trans-1,2-Dichloroethene	101		98		70-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-05,08,10-12 Batch: WG678631-1 WG678631-2								
Trichloroethene	99		98		70-130	1		20
1,2-Dichlorobenzene	102		101		70-130	1		20
1,3-Dichlorobenzene	102		100		70-130	2		20
1,4-Dichlorobenzene	102		101		70-130	1		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Dichlorodifluoromethane	114		111		70-130	3		20
1,2-Dibromoethane	97		96		70-130	1		20
1,3-Dichloropropane	98		98		70-130	0		20
1,1,1,2-Tetrachloroethane	87		91		70-130	4		20
o-Chlorotoluene	104		102		70-130	2		20
p-Chlorotoluene	102		102		70-130	0		20
Hexachlorobutadiene	100		102		70-130	2		20
1,2,4-Trichlorobenzene	97		97		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	102		102		70-130



Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-05,08,10-12 QC Batch ID: WG678631-4 WG678631-5 QC Sample: L1406002-08 Client ID: AX-GW-MW19D-032114												
Methylene chloride	ND	500	480	97		500	100		70-130	4		20
1,1-Dichloroethane	ND	500	480	97		500	99		70-130	4		20
Chloroform	ND	500	480	95		480	97		70-130	0		20
Carbon tetrachloride	ND	500	400	80		420	85		70-130	5		20
1,2-Dichloropropane	ND	500	470	94		480	96		70-130	2		20
Dibromochloromethane	ND	500	440	87		460	92		70-130	4		20
1,1,2-Trichloroethane	ND	500	470	93		480	95		70-130	2		20
Tetrachloroethene	ND	500	490	98		500	100		70-130	2		20
Chlorobenzene	ND	500	480	96		490	98		70-130	2		20
1,2-Dichloroethane	ND	500	470	93		480	97		70-130	2		20
1,1,1-Trichloroethane	ND	500	490	98		510	103		70-130	4		20
Bromodichloromethane	ND	500	460	92		480	96		70-130	4		20
trans-1,3-Dichloropropene	ND	500	380	75		390	79		70-130	3		20
cis-1,3-Dichloropropene	ND	500	440	89		460	92		70-130	4		20
Bromoform	ND	500	410	81		430	86		70-130	5		20
1,1,2,2-Tetrachloroethane	ND	500	440	89		460	92		70-130	4		20
Chloromethane	ND	500	470	95		490	98		70-130	4		20
Vinyl chloride	110	500	630	104		650	109		70-130	3		20
Chloroethane	ND	500	500	100		510	102		70-130	2		20
1,1-Dichloroethene	ND	500	480	96		490	98		70-130	2		20
trans-1,2-Dichloroethene	ND	500	490	98		500	99		70-130	2		20

Matrix Spike Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-05,08,10-12 QC Batch ID: WG678631-4 WG678631-5 QC Sample: L1406002-08 Client ID: AX-GW-MW19D-032114												
Trichloroethene	3700	500	3800	20	Q	3900	37	Q	70-130	3		20
1,2-Dichlorobenzene	ND	500	470	94		490	98		70-130	4		20
1,3-Dichlorobenzene	ND	500	470	95		490	98		70-130	4		20
1,4-Dichlorobenzene	ND	500	470	95		490	98		70-130	4		20
cis-1,2-Dichloroethene	2500	500	2800	56	Q	2900	73		70-130	4		20
Dichlorodifluoromethane	ND	500	540	108		560	111		70-130	4		20
1,2-Dibromoethane	ND	500	460	92		470	94		70-130	2		20
1,3-Dichloropropane	ND	500	460	92		470	94		70-130	2		20
1,1,1,2-Tetrachloroethane	ND	500	450	90		470	94		70-130	4		20
o-Chlorotoluene	ND	500	490	98		500	101		70-130	2		20
p-Chlorotoluene	ND	500	480	96		500	99		70-130	4		20
Hexachlorobutadiene	ND	500	460	92		490	97		70-130	6		20
1,2,4-Trichlorobenzene	ND	500	440	88		460	92		70-130	4		20

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichloroethane-d4	102		102		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	102		103		70-130
Toluene-d8	99		98		70-130



PCBS

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-02 D
 Client ID: AX-GW-MW10D-032014
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 09:44
 Analyst: JW

Date Collected: 03/20/14 16:00
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	43.9		ug/l	2.50	--	10	A
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-03 D
 Client ID: AX-GW-MW2B-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 09:57
 Analyst: JW

Date Collected: 03/21/14 09:10
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	33.2		ug/l	2.50	--	10	A
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-04 D
 Client ID: AX-GW-MW2-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 10:09
 Analyst: JW

Date Collected: 03/21/14 10:45
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.500	--	2	A
Aroclor 1221	ND		ug/l	0.500	--	2	A
Aroclor 1232	ND		ug/l	0.500	--	2	A
Aroclor 1242	9.50		ug/l	0.500	--	2	A
Aroclor 1248	ND		ug/l	0.500	--	2	A
Aroclor 1254	1.38		ug/l	0.500	--	2	B
Aroclor 1260	ND		ug/l	0.500	--	2	A
Aroclor 1262	ND		ug/l	0.500	--	2	A
Aroclor 1268	ND		ug/l	0.500	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-05 D
 Client ID: AX-GW-DUP2-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 10:21
 Analyst: JW

Date Collected: 03/21/14 10:50
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.500	--	2	A
Aroclor 1221	ND		ug/l	0.500	--	2	A
Aroclor 1232	ND		ug/l	0.500	--	2	A
Aroclor 1242	9.73		ug/l	0.500	--	2	A
Aroclor 1248	ND		ug/l	0.500	--	2	A
Aroclor 1254	1.33		ug/l	0.500	--	2	B
Aroclor 1260	ND		ug/l	0.500	--	2	A
Aroclor 1262	ND		ug/l	0.500	--	2	A
Aroclor 1268	ND		ug/l	0.500	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-06
 Client ID: AX-GW-MW2A-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 10:34
 Analyst: JW

Date Collected: 03/21/14 12:10
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	5.20		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	0.277		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-07
 Client ID: AX-GW-MW19S-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 10:46
 Analyst: JW

Date Collected: 03/21/14 08:55
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-08 D
 Client ID: AX-GW-MW19D-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 12:22
 Analyst: JW

Date Collected: 03/21/14 10:30
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.500	--	2	A
Aroclor 1221	ND		ug/l	0.500	--	2	A
Aroclor 1232	ND		ug/l	0.500	--	2	A
Aroclor 1242	8.02		ug/l	0.500	--	2	A
Aroclor 1248	ND		ug/l	0.500	--	2	A
Aroclor 1254	ND		ug/l	0.500	--	2	A
Aroclor 1260	ND		ug/l	0.500	--	2	A
Aroclor 1262	ND		ug/l	0.500	--	2	A
Aroclor 1268	ND		ug/l	0.500	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-09
 Client ID: AX-GW-MW3A-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 11:10
 Analyst: JW

Date Collected: 03/21/14 14:20
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	0.284		ug/l	0.250	--	1	B
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-10 D
 Client ID: AX-GW-MW17D-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 11:23
 Analyst: JW

Date Collected: 03/21/14 13:05
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	37.6		ug/l	2.50	--	10	B
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-11 D
 Client ID: AX-GW-DUP3-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 11:35
 Analyst: JW

Date Collected: 03/21/14 13:10
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	34.5		ug/l	2.50	--	10	B
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-12 D
 Client ID: AX-GW-MW17B-032114
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 11:47
 Analyst: JW

Date Collected: 03/21/14 15:30
 Date Received: 03/21/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	30.4		ug/l	2.50	--	10	B
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 97,8082
 Analytical Date: 03/28/14 08:43
 Analyst: JW

Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02-12 Batch: WG678478-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.250	--	A
Aroclor 1262	ND		ug/l	0.250	--	A
Aroclor 1268	ND		ug/l	0.250	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	74		30-150	B
Decachlorobiphenyl	64		30-150	A

Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-12 QC Batch ID: WG678478-4 WG678478-5 QC Sample: L1406002-08 Client ID: AX-GW-MW19D-032114													
Aroclor 1016	ND	3.12	3.95	126		3.60	115		40-140	9		20	A
Aroclor 1260	ND	3.12	2.08	67		1.94	62		40-140	7		20	A

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>	<i>Column</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>		
2,4,5,6-Tetrachloro-m-xylene	52		49		30-150	A
Decachlorobiphenyl	58		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		54		30-150	B
Decachlorobiphenyl	67		63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-12 Batch: WG678478-2 WG678478-3									
Aroclor 1016	78		75		40-140	3		20	A
Aroclor 1260	84		86		40-140	3		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		62		30-150	A
Decachlorobiphenyl	76		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		63		30-150	B
Decachlorobiphenyl	84		85		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-02
Client ID: AX-GW-MW10D-032014
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/20/14 16:00
Date Received: 03/21/14
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	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-03
Client ID: AX-GW-MW2B-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 09:10
Date Received: 03/21/14
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	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-04
Client ID: AX-GW-MW2-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 10:45
Date Received: 03/21/14
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	6.3		mg/l	5.0	NA	1	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-05
Client ID: AX-GW-DUP2-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 10:50
Date Received: 03/21/14
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	5.4		mg/l	5.0	NA	1	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-06
Client ID: AX-GW-MW2A-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 12:10
Date Received: 03/21/14
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	11.		mg/l	5.0	NA	1	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-07
Client ID: AX-GW-MW19S-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 08:55
Date Received: 03/21/14
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	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-08
Client ID: AX-GW-MW19D-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 10:30
Date Received: 03/21/14
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	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-09
Client ID: AX-GW-MW3A-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 14:20
Date Received: 03/21/14
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	13.		mg/l	5.0	NA	1	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-10
Client ID: AX-GW-MW17D-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 13:05
Date Received: 03/21/14
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	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-11
Client ID: AX-GW-DUP3-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 13:10
Date Received: 03/21/14
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	-	03/25/14 14:00	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

SAMPLE RESULTS

Lab ID: L1406002-12
Client ID: AX-GW-MW17B-032114
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/21/14 15:30
Date Received: 03/21/14
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	-	03/25/14 14:30	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

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): 02-11 Batch: WG677796-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	03/25/14 14:00	30,2540D	JT
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG677797-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	03/25/14 14:30	30,2540D	JT

Lab Duplicate Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG677797-2 QC Sample: L1405786-02 Client ID: DUP Sample						
Solids, Total Suspended	480	480	mg/l	0		29

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent
 B Absent
 C Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406002-01A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-02A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-02B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-02C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-02D	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-02E	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-02F	Plastic 1000ml unpreserved	A	7	2.8	Y	Absent	TSS-2540(7)
L1406002-03A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-03B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-03C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-03D	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-03E	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-03F	Plastic 1000ml unpreserved	A	7	2.8	Y	Absent	TSS-2540(7)
L1406002-04A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-04B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-04C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-04D	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-04E	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-04F	Plastic 1000ml unpreserved	A	7	2.8	Y	Absent	TSS-2540(7)
L1406002-05A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-05B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-05C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-05D	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-05E	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406002-05F	Plastic 1000ml unpreserved	A	7	2.8	Y	Absent	TSS-2540(7)
L1406002-06A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-06B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-06C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-06D	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-06E	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-06F	Plastic 1000ml unpreserved	B	7	3.0	Y	Absent	TSS-2540(7)
L1406002-07A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-07B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-07C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-07D	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-07E	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-07F	Plastic 1000ml unpreserved	B	7	3.0	Y	Absent	TSS-2540(7)
L1406002-08A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08A1	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08A2	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08B1	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08B2	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08C1	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08C2	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-08D	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1406002-08D1	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1406002-08D2	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-08E	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-08E1	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1406002-08E2	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1406002-08F	Plastic 1000ml unpreserved	B	7	3.0	Y	Absent	TSS-2540(7)
L1406002-09A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-09B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-09C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-09D	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-09E	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	MCP-8082-10(365)
L1406002-09F	Plastic 1000ml unpreserved	A	7	2.8	Y	Absent	TSS-2540(7)
L1406002-10A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406002-10B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-10C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-10D	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-10E	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-10F	Plastic 1000ml unpreserved	B	7	3.0	Y	Absent	TSS-2540(7)
L1406002-11A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-11B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-11C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-11D	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-11E	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	MCP-8082-10(365)
L1406002-11F	Plastic 1000ml unpreserved	B	7	3.0	Y	Absent	TSS-2540(7)
L1406002-12A	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-12B	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-12C	Vial HCl preserved	C	N/A	3.3	Y	Absent	MCP-8260-10(14)
L1406002-12D	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1406002-12E	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	MCP-8082-10(365)
L1406002-12F	Plastic 1000ml unpreserved	B	7	3.0	Y	Absent	TSS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406002
Report Date: 03/28/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



CHAIN OF CUSTODY

PAGE 2 OF 2

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab: 3/21/14

ALPHA Job #: L1406002

Project Information

Project Name: Aerovox
Project Location: New Bedford, MA
Project #: 39744051.20003
Project Manager: J. LeClair/M. Wade
ALPHA Quote #:

Report Information - Data Deliverables

ADEX EMAIL

Billing Information

Same as Client info PO #:

Client Information

Client: URS
Address: 1155 Elm St, Suite 401
Manchester, NH 03101
Phone: (603) 606-4800
Email: judith.leclair@urs.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: 3/28/14

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 _____

Additional Project Information:

CVOC only

ANALYSIS

CVOC: 6260 624 524.2
SVOC: ABN PAH
METALS: MCP 13 MCP 14 RCP 15
EPH: RCRA5 RCRA8 PPT13
VPH: Ranges & Targets Ranges Only
 PCB PEST
TPH: Quant Only Fingerprint
TSS

SAMPLE INFO

Filtration
 Field
 Lab to do

Preservation
 Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	CVOC	SVOC	METALS	EPH	VPH	PCB	TPH	TSS	Filtration	Preservation	Sample Comments	TOTAL # BOTTLES
		Date	Time														
<u>060002-11</u>	<u>AX-GW-DUP3-032114</u>	<u>3/21/14</u>	<u>1310</u>	<u>GW</u>	<u>CMK</u>	<u>3</u>					<u>2</u>	<u>1</u>					<u>6</u>
<u>12</u>	<u>AX-GW-MW17B-032114</u>	<u>"</u>	<u>1530</u>	<u>GW</u>	<u>CMK</u>	<u>3</u>					<u>2</u>	<u>1</u>					<u>6</u>

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= HNO3
D= H2SO4
E= NaOH
F= MeOH
G= NaHSO4
H= Na2S2O3
I= Ascorbic Acid
J= NH4Cl
K= Zn Acetate
O= Other

Container Type	<u>V</u>	<u>A</u>	<u>P</u>
Preservative	<u>A</u>	<u>A</u>	<u>A</u>

Relinquished By: [Signature] Date/Time: 3/21/14 1710

Received By: [Signature] Date/Time: 3/21/14 1710

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.
FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1406002

Instrument ID: Quimby.i Calibration Date: 28-MAR-2014 Time: 05:13

Lab File ID: 0328A02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:07 13:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.37755	.43179	.1	14	20	
chloromethane	.55134	.52735	.1	-4	20	
vinyl chloride	.41894	.44956	.1	7	20	
bromomethane	.2956	.2079	.1	-30	20	F
chloroethane	.32297	.3304	.1	2	20	
trichlorofluoromethane	.69441	.70759	.1	2	20	
ethyl ether	.19311	.19201	.05	-1	20	
acrolein	.07673	.07393	.05	-4	20	
freon-113	.44236	.4446	.1	1	20	
acetone	100	98.400	.1	-2	20	
1,1,-dichloroethene	.42433	.41668	.1	-2	20	
tert-butyl alcohol	.01716	.01487	.05	-13	20	F
iodomethane	.35707	.28805	.05	-19	20	
methyl acetate	.21402	.20041	.01	-6	20	
methylene chloride	.4706	.4679	.1	-1	20	
carbon disulfide	1.0746	1.0891	.1	1	20	
acrylonitrile	.1387	.13372	.05	-4	20	
methyl tert butyl ether	.83635	.80022	.1	-4	20	
Halothane	.34383	.33708	.05	-2	20	
trans-1,2-dichloroethene	.46727	.47092	.1	1	20	
Diisopropyl Ether	1.7593	1.7500	.05	-1	20	
vinyl acetate	.67567	.59118	.05	-13	20	
1,1-dichloroethane	.97574	.96619	.2	-1	20	
Ethyl-Tert-Butyl-Ether	1.3260	1.2863	.05	-3	20	
2-butanone	.13501	.12873	.1	-5	20	
2,2-dichloropropane	100	72.416	.05	-28	20	F
ethyl acetate	100	94.065	.05	-6	20	
cis-1,2-dichloroethene	.50063	.50165	.1	0	20	
chloroform	.81007	.79618	.2	-2	20	
bromochloromethane	.20718	.20661	.05	0	20	
tetrahydrofuran	.08878	.08556	.05	-4	20	
1,1,1-trichloroethane	.67564	.61714	.1	-9	20	
cyclohexane	1.1643	1.1905	.01	2	30	
1,1-dichloropropene	.69545	.69592	.05	0	20	
carbontetrachloride	100	76.494	.1	-24	20	F
Tertiary-Amyl Methyl Ether	.87246	.82066	.05	-6	20	
1,2-dichloroethane	.63126	.62088	.1	-2	20	
benzene	1.8091	1.8794	.5	4	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1406002

Instrument ID: Quimby.i Calibration Date: 28-MAR-2014 Time: 05:13

Lab File ID: 0328A02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:07 13:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
trichloroethene	.49594	.49243	.2	-1	20	
methyl cyclohexane	.84918	.86609	.01	2	30	
1,2-dichloropropane	.55529	.54177	.1	-2	20	
bromodichloromethane	.57605	.52467	.2	-9	20	
1,4-dioxane	.00242	.0022	.05	-9	20	F
dibromomethane	.2212	.22043	.05	0	20	
2-chloroethylvinyl ether	.18542	.16101	.05	-13	20	
4-methyl-2-pentanone	.13235	.12322	.1	-7	20	
cis-1,3-dichloropropene	.61107	.54545	.2	-11	20	
toluene	1.5027	1.5346	.4	2	20	
ethyl-methacrylate	100	92.337	.01	-8	0	F
trans-1,3-dichloropropene	100	75.889	.1	-24	20	F
2-hexanone	.24277	.2321	.1	-4	20	
1,1,2-trichloroethane	.33156	.32813	.1	-1	20	
1,3-dichloropropane	.72477	.7074	.05	-2	20	
tetrachloroethene	.65863	.66659	.2	1	20	
chlorodibromomethane	.43466	.37411	.1	-14	20	
1,2-dibromoethane	.3744	.36451	.1	-3	20	
chlorobenzene	1.6152	1.6427	.5	2	20	
1,1,1,2-tetrachloroethane	.4734	.41256	.05	-13	20	
ethyl benzene	2.8947	3.0571	.1	6	20	
p/m xylene	1.1089	1.1925	.1	8	20	
o xylene	1.0425	1.1019	.3	6	20	
styrene	1.6584	1.7856	.31	8	20	
isopropylbenzene	2.9108	3.0919	.1	6	20	
bromoform	.46063	.35781	.1	-22	20	F
1,4-dichlorobutane	1.7893	1.7316	.01	-3	30	
1,1,2,2,-tetrachloroethane	.86592	.84581	.3	-2	20	
1,2,3-trichloropropane	.67315	.65121	.05	-3	20	
trans-1,4-dichloro-2-butene	.30126	.2718	.05	-10	20	
n-propylbenzene	6.3297	6.9040	.05	9	20	
bromobenzene	1.2513	1.2495	.05	0	20	
4-ethyltoluene	2.4079	2.5973	.05	8	20	
1,3,5-trimethylbenzene	4.5406	4.8690	.05	7	20	
2-chlorotoluene	4.4212	4.5931	.05	4	20	
4-chlorotoluene	4.0192	4.0977	.05	2	20	
tert-butylbenzene	3.9705	4.2326	.05	7	20	
1,2,4-trimethylbenzene	4.534	4.8181	.05	6	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1406002

Instrument ID: Jack.i Calibration Date: 28-MAR-2014 Time: 06:34

Lab File ID: 0328B02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:20 13:58

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.49527	.6372	.1	29	20	F
chloromethane	100	115	.1	15	20	
vinyl chloride	.91218	1.1139	.1	22	20	F
bromomethane	.29117	.3506	.1	20	20	F
chloroethane	.44462	.53769	.1	21	20	F
trichlorofluoromethane	.96972	1.0383	.1	7	20	
ethyl ether	.2816	.29264	.05	4	20	
1,1,-dichloroethene	.57317	.63625	.1	11	20	
carbon disulfide	1.3889	1.6767	.1	21	20	F
freon-113	.63314	.71564	.1	13	20	
iodomethane	.37278	.27244	.05	-27	20	F
acrolein	.14016	.15594	.05	11	20	
methylene chloride	.59834	.64264	.1	7	20	
acetone	100	114	.1	14	20	
trans-1,2-dichloroethene	.65128	.72077	.1	11	20	
methyl acetate	.43017	.44024	.1	2	20	
methyl tert butyl ether	1.3014	1.2637	.1	-3	20	
tert butyl alcohol	.04678	.04761	.05	2	20	F
Diisopropyl Ether	2.8471	2.6328	.01	-8	20	
1,1-dichloroethane	1.5632	1.6086	.2	3	20	
acrylonitrile	.21841	.22777	.05	4	20	
Halothane	.49604	.51674	.05	4	20	
Ethyl-Tert-Butyl-Ether	2.2696	2.0799	.05	-8	20	
vinyl acetate	1.5145	1.3863	.05	-8	20	
cis-1,2-dichloroethene	.71409	.74406	.1	4	20	
2,2-dichloropropane	.97271	.98736	.05	2	20	
cyclohexane	1.8338	1.9389	.01	6	30	
bromochloromethane	.3082	.3369	.05	9	20	
chloroform	1.1828	1.2148	.2	3	20	
carbontetrachloride	.89326	.90658	.1	1	20	
tetrahydrofuran	.20231	.19236	.05	-5	20	
ethyl acetate	.5616	.5182	.05	-8	20	
1,1,1-trichloroethane	1.0162	1.0602	.1	4	20	
1,1-dichloropropene	.92538	.92351	.05	0	20	
2-butanone	.24149	.22376	.1	-7	20	
benzene	2.6154	2.6190	.5	0	20	
Tertiary-Amyl Methyl Ether	1.3454	1.2618	.05	-6	20	
1,2-dichloroethane	.93584	.94665	.1	1	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1406002

Instrument ID: Jack.i Calibration Date: 28-MAR-2014 Time: 06:34

Lab File ID: 0328B02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:20 13:58

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
methyl cyclohexane	.9805	.996	.01	2	30
trichloroethene	.63791	.65327	.2	2	20
dibromomethane	.31962	.31877	.05	0	20
1,2-dichloropropane	.83876	.80117	.1	-4	20
bromodichloromethane	.82605	.8179	.2	-1	20
1,4-dioxane	.00423	.00372	.05	-12	20
2-chloroethylvinyl ether	.3725	.35791	.05	-4	20
cis-1,3-dichloropropene	.98705	.95892	.2	-3	20
toluene	2.0122	1.9527	.4	-3	20
tetrachloroethene	.87149	.7977	.2	-8	20
4-methyl-2-pentanone	.20046	.19801	.1	-1	20
trans-1,3-dichloropropene	.97089	.85946	.1	-11	20
1,1,2-trichloroethane	.46399	.40921	.1	-12	20
ethyl-methacrylate	.72397	.68859	.01	-5	30
chlorodibromomethane	.65484	.53953	.1	-18	20
1,3-dichloropropane	.97005	.9178	.05	-5	20
1,2-dibromoethane	.56653	.51268	.1	-10	20
2-hexanone	.42284	.37288	.1	-12	20
chlorobenzene	2.1785	2.0688	.5	-5	20
ethyl benzene	3.8004	3.7041	.1	-3	20
1,1,1,2-tetrachloroethane	.77297	.65159	.05	-16	20
p/m xylene	1.4987	1.4587	.1	-3	20
o xylene	1.3908	1.3325	.3	-4	20
bromoform	.65445	.54015	.1	-17	20
styrene	2.3580	2.5788	.3	9	20
isopropylbenzene	6.7198	6.6743	.1	-1	20
bromobenzene	1.6180	1.5684	.05	-3	20
n-propylbenzene	7.1776	6.9456	.05	-3	20
1,4-dichlorobutane	2.5333	2.3712	.01	-6	20
1,1,2,2,-tetrachloroethane	1.0971	1.0087	.3	-8	20
4-ethyltoluene	6.6232	6.3865	.05	-4	20
2-chlorotoluene	5.0164	4.9328	.05	-2	20
1,2,3-trichloropropane	.87607	.84585	.05	-3	20
1,3,5-trimethybenzene	5.2320	5.0204	.05	-4	20
trans-1,4-dichloro-2-butene	.19049	.17117	.05	-10	20
4-chorotoluene	4.4812	4.3717	.05	-2	20
tert-butylbenzene	4.3508	4.1621	.05	-4	20
1,2,4-trimethylbenzene	5.2492	4.9653	.05	-5	20

F

FORM VII MCP-8260-10



ANALYTICAL REPORT

Lab Number:	L1406115
Client:	URS Corporation 1155 Elm Street Manchester, NH 03101
ATTN:	Judith LeClair
Phone:	(603) 893-0616
Project Name:	AEROVOX
Project Number:	39744051.20003
Report Date:	03/31/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1406115-01	TB-05	NEW BEDFORD, MA	03/24/14 00:00
L1406115-02	AX-GW-MW3-032414	NEW BEDFORD, MA	03/24/14 09:05
L1406115-03	AX-GW-MW15B-032414	NEW BEDFORD, MA	03/24/14 10:50
L1406115-04	AX-GW-MW7A-032414	NEW BEDFORD, MA	03/24/14 10:00
L1406115-05	AX-GW-MW7-032414	NEW BEDFORD, MA	03/24/14 11:25
L1406115-06	AX-GW-MW15D-032414	NEW BEDFORD, MA	03/24/14 11:50
L1406115-07	AX-GW-DUP4-032414	NEW BEDFORD, MA	03/24/14 11:55
L1406115-08	AX-DNAPL-MW15D-032414	NEW BEDFORD, MA	03/24/14 12:45
L1406115-09	AX-GW-MW7B-032414	NEW BEDFORD, MA	03/24/14 14:00

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

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

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



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L1406115-02, -03 and -05 through -09: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The continuing calibration standards, associated with L1406115-01 through -07 and -09, 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.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCBs

L1406115-03 through -07 and -09 contain peaks which match the retention times for Aroclor 1242, but do not match the area ratios typical for this aroclor. The results for Aroclor 1242 are reported as "weathered".

In reference to question G:

L1406115-03, -05, -06 and -07: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The surrogate recoveries for L1406115-03, -05 through -08 and the WG678281-4 Laboratory Duplicate are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The WG678281-1 Method Blank, associated with L1406115-08, has a concentration above the reporting limit for Aroclor 1260. Since the sample was non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Case Narrative (continued)


Non-MCP Related Narratives

Solids, Total Suspended

WG678197: A laboratory duplicate could not be performed due to insufficient sample volume available for analysis.

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: 03/31/14

ORGANICS

VOLATILES

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-01
 Client ID: TB-05
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 14:09
 Analyst: MM

Date Collected: 03/24/14 00:00
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-01
 Client ID: TB-05
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 00:00
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-02 D
 Client ID: AX-GW-MW3-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 15:12
 Analyst: MM

Date Collected: 03/24/14 09:05
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	4.0	--	2
1,1-Dichloroethane	ND		ug/l	2.0	--	2
Chloroform	ND		ug/l	2.0	--	2
Carbon tetrachloride	ND		ug/l	2.0	--	2
1,2-Dichloropropane	ND		ug/l	2.0	--	2
Dibromochloromethane	ND		ug/l	2.0	--	2
1,1,2-Trichloroethane	ND		ug/l	2.0	--	2
Tetrachloroethene	ND		ug/l	2.0	--	2
Chlorobenzene	170		ug/l	2.0	--	2
1,2-Dichloroethane	ND		ug/l	2.0	--	2
1,1,1-Trichloroethane	ND		ug/l	2.0	--	2
Bromodichloromethane	ND		ug/l	2.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	--	2
Chloromethane	ND		ug/l	4.0	--	2
Vinyl chloride	2.0		ug/l	2.0	--	2
Chloroethane	ND		ug/l	4.0	--	2
1,1-Dichloroethene	ND		ug/l	2.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	2.0	--	2
Trichloroethene	ND		ug/l	2.0	--	2
1,2-Dichlorobenzene	ND		ug/l	2.0	--	2
1,3-Dichlorobenzene	3.9		ug/l	2.0	--	2
1,4-Dichlorobenzene	7.1		ug/l	2.0	--	2
cis-1,2-Dichloroethene	ND		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	4.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,3-Dichloropropane	ND		ug/l	4.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	2.0	--	2
o-Chlorotoluene	ND		ug/l	4.0	--	2

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-02 D
 Client ID: AX-GW-MW3-032414
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 09:05
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	4.0	--	2
Hexachlorobutadiene	ND		ug/l	1.2	--	2
1,2,4-Trichlorobenzene	ND		ug/l	4.0	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-03 D2
 Client ID: AX-GW-MW15B-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/29/14 20:03
 Analyst: MM

Date Collected: 03/24/14 10:50
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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MCP Volatile Organics - Westborough Lab

Trichloroethene	90000		ug/l	1000	--	1000
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-03 D
 Client ID: AX-GW-MW15B-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 15:44
 Analyst: MM

Date Collected: 03/24/14 10:50
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	800	--	400
1,1-Dichloroethane	ND		ug/l	400	--	400
Chloroform	ND		ug/l	400	--	400
Carbon tetrachloride	ND		ug/l	400	--	400
1,2-Dichloropropane	ND		ug/l	400	--	400
Dibromochloromethane	ND		ug/l	400	--	400
1,1,2-Trichloroethane	ND		ug/l	400	--	400
Tetrachloroethene	ND		ug/l	400	--	400
Chlorobenzene	ND		ug/l	400	--	400
1,2-Dichloroethane	ND		ug/l	400	--	400
1,1,1-Trichloroethane	ND		ug/l	400	--	400
Bromodichloromethane	ND		ug/l	400	--	400
trans-1,3-Dichloropropene	ND		ug/l	200	--	400
cis-1,3-Dichloropropene	ND		ug/l	200	--	400
Bromoform	ND		ug/l	800	--	400
1,1,2,2-Tetrachloroethane	ND		ug/l	400	--	400
Chloromethane	ND		ug/l	800	--	400
Vinyl chloride	ND		ug/l	400	--	400
Chloroethane	ND		ug/l	800	--	400
1,1-Dichloroethene	ND		ug/l	400	--	400
trans-1,2-Dichloroethene	ND		ug/l	400	--	400
Trichloroethene	84000	E	ug/l	400	--	400
1,2-Dichlorobenzene	ND		ug/l	400	--	400
1,3-Dichlorobenzene	ND		ug/l	400	--	400
1,4-Dichlorobenzene	ND		ug/l	400	--	400
cis-1,2-Dichloroethene	22000		ug/l	400	--	400
Dichlorodifluoromethane	ND		ug/l	800	--	400
1,2-Dibromoethane	ND		ug/l	800	--	400
1,3-Dichloropropane	ND		ug/l	800	--	400
1,1,1,2-Tetrachloroethane	ND		ug/l	400	--	400
o-Chlorotoluene	ND		ug/l	800	--	400

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-03 D
 Client ID: AX-GW-MW15B-032414
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 10:50
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	800	--	400
Hexachlorobutadiene	ND		ug/l	240	--	400
1,2,4-Trichlorobenzene	ND		ug/l	800	--	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-04
 Client ID: AX-GW-MW7A-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 14:41
 Analyst: MM

Date Collected: 03/24/14 10:00
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-04
 Client ID: AX-GW-MW7A-032414
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 10:00
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-05 D
 Client ID: AX-GW-MW7-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 16:15
 Analyst: MM

Date Collected: 03/24/14 11:25
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	400	--	200
1,1-Dichloroethane	ND		ug/l	200	--	200
Chloroform	ND		ug/l	200	--	200
Carbon tetrachloride	ND		ug/l	200	--	200
1,2-Dichloropropane	ND		ug/l	200	--	200
Dibromochloromethane	ND		ug/l	200	--	200
1,1,2-Trichloroethane	ND		ug/l	200	--	200
Tetrachloroethene	ND		ug/l	200	--	200
Chlorobenzene	ND		ug/l	200	--	200
1,2-Dichloroethane	ND		ug/l	200	--	200
1,1,1-Trichloroethane	ND		ug/l	200	--	200
Bromodichloromethane	ND		ug/l	200	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	200	--	200
Chloromethane	ND		ug/l	400	--	200
Vinyl chloride	ND		ug/l	200	--	200
Chloroethane	ND		ug/l	400	--	200
1,1-Dichloroethene	ND		ug/l	200	--	200
trans-1,2-Dichloroethene	ND		ug/l	200	--	200
Trichloroethene	27000		ug/l	200	--	200
1,2-Dichlorobenzene	ND		ug/l	200	--	200
1,3-Dichlorobenzene	ND		ug/l	200	--	200
1,4-Dichlorobenzene	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	1600		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	400	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	400	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	200	--	200
o-Chlorotoluene	ND		ug/l	400	--	200

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-05 D
 Client ID: AX-GW-MW7-032414
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 11:25
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	400	--	200
Hexachlorobutadiene	ND		ug/l	120	--	200
1,2,4-Trichlorobenzene	ND		ug/l	400	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-06 D
 Client ID: AX-GW-MW15D-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 15:17
 Analyst: MM

Date Collected: 03/24/14 11:50
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	80	--	40
1,1-Dichloroethane	ND		ug/l	40	--	40
Chloroform	ND		ug/l	40	--	40
Carbon tetrachloride	ND		ug/l	40	--	40
1,2-Dichloropropane	ND		ug/l	40	--	40
Dibromochloromethane	ND		ug/l	40	--	40
1,1,2-Trichloroethane	ND		ug/l	40	--	40
Tetrachloroethene	47		ug/l	40	--	40
Chlorobenzene	ND		ug/l	40	--	40
1,2-Dichloroethane	ND		ug/l	40	--	40
1,1,1-Trichloroethane	ND		ug/l	40	--	40
Bromodichloromethane	ND		ug/l	40	--	40
trans-1,3-Dichloropropene	ND		ug/l	20	--	40
cis-1,3-Dichloropropene	ND		ug/l	20	--	40
Bromoform	ND		ug/l	80	--	40
1,1,2,2-Tetrachloroethane	ND		ug/l	40	--	40
Chloromethane	ND		ug/l	80	--	40
Vinyl chloride	74		ug/l	40	--	40
Chloroethane	ND		ug/l	80	--	40
1,1-Dichloroethene	ND		ug/l	40	--	40
trans-1,2-Dichloroethene	ND		ug/l	40	--	40
Trichloroethene	3800		ug/l	40	--	40
1,2-Dichlorobenzene	ND		ug/l	40	--	40
1,3-Dichlorobenzene	ND		ug/l	40	--	40
1,4-Dichlorobenzene	ND		ug/l	40	--	40
cis-1,2-Dichloroethene	990		ug/l	40	--	40
Dichlorodifluoromethane	ND		ug/l	80	--	40
1,2-Dibromoethane	ND		ug/l	80	--	40
1,3-Dichloropropane	ND		ug/l	80	--	40
1,1,1,2-Tetrachloroethane	ND		ug/l	40	--	40
o-Chlorotoluene	ND		ug/l	80	--	40

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-06 D
 Client ID: AX-GW-MW15D-032414
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 11:50
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	80	--	40
Hexachlorobutadiene	ND		ug/l	24	--	40
1,2,4-Trichlorobenzene	ND		ug/l	80	--	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	119		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-07 D
 Client ID: AX-GW-DUP4-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 15:50
 Analyst: MM

Date Collected: 03/24/14 11:55
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	80	--	40
1,1-Dichloroethane	ND		ug/l	40	--	40
Chloroform	ND		ug/l	40	--	40
Carbon tetrachloride	ND		ug/l	40	--	40
1,2-Dichloropropane	ND		ug/l	40	--	40
Dibromochloromethane	ND		ug/l	40	--	40
1,1,2-Trichloroethane	ND		ug/l	40	--	40
Tetrachloroethene	61		ug/l	40	--	40
Chlorobenzene	ND		ug/l	40	--	40
1,2-Dichloroethane	ND		ug/l	40	--	40
1,1,1-Trichloroethane	ND		ug/l	40	--	40
Bromodichloromethane	ND		ug/l	40	--	40
trans-1,3-Dichloropropene	ND		ug/l	20	--	40
cis-1,3-Dichloropropene	ND		ug/l	20	--	40
Bromoform	ND		ug/l	80	--	40
1,1,2,2-Tetrachloroethane	ND		ug/l	40	--	40
Chloromethane	ND		ug/l	80	--	40
Vinyl chloride	66		ug/l	40	--	40
Chloroethane	ND		ug/l	80	--	40
1,1-Dichloroethene	ND		ug/l	40	--	40
trans-1,2-Dichloroethene	ND		ug/l	40	--	40
Trichloroethene	3900		ug/l	40	--	40
1,2-Dichlorobenzene	ND		ug/l	40	--	40
1,3-Dichlorobenzene	ND		ug/l	40	--	40
1,4-Dichlorobenzene	ND		ug/l	40	--	40
cis-1,2-Dichloroethene	980		ug/l	40	--	40
Dichlorodifluoromethane	ND		ug/l	80	--	40
1,2-Dibromoethane	ND		ug/l	80	--	40
1,3-Dichloropropane	ND		ug/l	80	--	40
1,1,1,2-Tetrachloroethane	ND		ug/l	40	--	40
o-Chlorotoluene	ND		ug/l	80	--	40

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-07 D
 Client ID: AX-GW-DUP4-032414
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 11:55
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	80	--	40
Hexachlorobutadiene	ND		ug/l	24	--	40
1,2,4-Trichlorobenzene	ND		ug/l	80	--	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	113		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-08 D2
 Client ID: AX-DNAPL-MW15D-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Oil
 Analytical Method: 97,8260C
 Analytical Date: 03/29/14 23:34
 Analyst: MV
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/24/14 12:45
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	24000000		ug/kg	500000	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-08 D
 Client ID: AX-DNAPL-MW15D-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Oil
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 23:27
 Analyst: MV
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/24/14 12:45
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/kg	1000000	--	200
1,1-Dichloroethane	ND		ug/kg	150000	--	200
Chloroform	ND		ug/kg	150000	--	200
Carbon tetrachloride	ND		ug/kg	100000	--	200
1,2-Dichloropropane	ND		ug/kg	350000	--	200
Dibromochloromethane	ND		ug/kg	100000	--	200
1,1,2-Trichloroethane	ND		ug/kg	150000	--	200
Tetrachloroethene	13000000		ug/kg	100000	--	200
Chlorobenzene	ND		ug/kg	100000	--	200
1,2-Dichloroethane	ND		ug/kg	100000	--	200
1,1,1-Trichloroethane	ND		ug/kg	100000	--	200
Bromodichloromethane	ND		ug/kg	100000	--	200
trans-1,3-Dichloropropene	ND		ug/kg	100000	--	200
cis-1,3-Dichloropropene	ND		ug/kg	100000	--	200
Bromoform	ND		ug/kg	400000	--	200
1,1,2,2-Tetrachloroethane	ND		ug/kg	100000	--	200
Chloromethane	ND		ug/kg	400000	--	200
Vinyl chloride	ND		ug/kg	200000	--	200
Chloroethane	ND		ug/kg	200000	--	200
1,1-Dichloroethene	ND		ug/kg	100000	--	200
trans-1,2-Dichloroethene	ND		ug/kg	150000	--	200
Trichloroethene	36000000	E	ug/kg	100000	--	200
1,2-Dichlorobenzene	ND		ug/kg	400000	--	200
1,3-Dichlorobenzene	ND		ug/kg	400000	--	200
1,4-Dichlorobenzene	400000		ug/kg	400000	--	200
cis-1,2-Dichloroethene	1500000		ug/kg	100000	--	200
Dichlorodifluoromethane	ND		ug/kg	1000000	--	200
1,2-Dibromoethane	ND		ug/kg	400000	--	200
1,3-Dichloropropane	ND		ug/kg	400000	--	200
1,1,1,2-Tetrachloroethane	ND		ug/kg	100000	--	200
o-Chlorotoluene	ND		ug/kg	400000	--	200

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-08 D
 Client ID: AX-DNAPL-MW15D-032414
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 12:45
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/kg	400000	--	200
Hexachlorobutadiene	ND		ug/kg	400000	--	200
1,2,4-Trichlorobenzene	12000000		ug/kg	400000	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-09 D
 Client ID: AX-GW-MW7B-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8260C
 Analytical Date: 03/28/14 16:23
 Analyst: MM

Date Collected: 03/24/14 14:00
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	200	--	100
1,1-Dichloroethane	ND		ug/l	100	--	100
Chloroform	ND		ug/l	100	--	100
Carbon tetrachloride	ND		ug/l	100	--	100
1,2-Dichloropropane	ND		ug/l	100	--	100
Dibromochloromethane	ND		ug/l	100	--	100
1,1,2-Trichloroethane	ND		ug/l	100	--	100
Tetrachloroethene	ND		ug/l	100	--	100
Chlorobenzene	ND		ug/l	100	--	100
1,2-Dichloroethane	ND		ug/l	100	--	100
1,1,1-Trichloroethane	ND		ug/l	100	--	100
Bromodichloromethane	ND		ug/l	100	--	100
trans-1,3-Dichloropropene	ND		ug/l	50	--	100
cis-1,3-Dichloropropene	ND		ug/l	50	--	100
Bromoform	ND		ug/l	200	--	100
1,1,2,2-Tetrachloroethane	ND		ug/l	100	--	100
Chloromethane	ND		ug/l	200	--	100
Vinyl chloride	ND		ug/l	100	--	100
Chloroethane	ND		ug/l	200	--	100
1,1-Dichloroethene	ND		ug/l	100	--	100
trans-1,2-Dichloroethene	ND		ug/l	100	--	100
Trichloroethene	16000		ug/l	100	--	100
1,2-Dichlorobenzene	ND		ug/l	100	--	100
1,3-Dichlorobenzene	ND		ug/l	100	--	100
1,4-Dichlorobenzene	ND		ug/l	100	--	100
cis-1,2-Dichloroethene	710		ug/l	100	--	100
Dichlorodifluoromethane	ND		ug/l	200	--	100
1,2-Dibromoethane	ND		ug/l	200	--	100
1,3-Dichloropropane	ND		ug/l	200	--	100
1,1,1,2-Tetrachloroethane	ND		ug/l	100	--	100
o-Chlorotoluene	ND		ug/l	200	--	100

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-09 D
 Client ID: AX-GW-MW7B-032414
 Sample Location: NEW BEDFORD, MA

Date Collected: 03/24/14 14:00
 Date Received: 03/24/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
p-Chlorotoluene	ND		ug/l	200	--	100
Hexachlorobutadiene	ND		ug/l	60	--	100
1,2,4-Trichlorobenzene	ND		ug/l	200	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	114		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 08:12
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 06-07,09 Batch: WG678616-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 08:12
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 06-07,09 Batch: WG678616-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 08:12
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 06-07,09 Batch: WG678616-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	121		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 06:48
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-05 Batch: WG678852-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/28/14 06:48
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-05 Batch: WG678852-3					
p-Chlorotoluene	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/29/14 10:04
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG678852-6					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/29/14 10:04
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG678852-6					
p-Chlorotoluene	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 14:20
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08 Batch: WG678879-3					
Methylene chloride	ND		ug/kg	5000	--
1,1-Dichloroethane	ND		ug/kg	750	--
Chloroform	ND		ug/kg	750	--
Carbon tetrachloride	ND		ug/kg	500	--
1,2-Dichloropropane	ND		ug/kg	1800	--
Dibromochloromethane	ND		ug/kg	500	--
1,1,2-Trichloroethane	ND		ug/kg	750	--
Tetrachloroethene	ND		ug/kg	500	--
Chlorobenzene	ND		ug/kg	500	--
Trichlorofluoromethane	ND		ug/kg	2000	--
1,2-Dichloroethane	ND		ug/kg	500	--
1,1,1-Trichloroethane	ND		ug/kg	500	--
Bromodichloromethane	ND		ug/kg	500	--
trans-1,3-Dichloropropene	ND		ug/kg	500	--
cis-1,3-Dichloropropene	ND		ug/kg	500	--
1,1-Dichloropropene	ND		ug/kg	2000	--
Bromoform	ND		ug/kg	2000	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	500	--
Benzene	ND		ug/kg	500	--
Toluene	ND		ug/kg	750	--
Ethylbenzene	ND		ug/kg	500	--
Chloromethane	ND		ug/kg	2000	--
Bromomethane	ND		ug/kg	1000	--
Vinyl chloride	ND		ug/kg	1000	--
Chloroethane	ND		ug/kg	1000	--
1,1-Dichloroethene	ND		ug/kg	500	--
trans-1,2-Dichloroethene	ND		ug/kg	750	--
Trichloroethene	ND		ug/kg	500	--
1,2-Dichlorobenzene	ND		ug/kg	2000	--
1,3-Dichlorobenzene	ND		ug/kg	2000	--
1,4-Dichlorobenzene	ND		ug/kg	2000	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/28/14 14:20
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08 Batch: WG678879-3					
Methyl tert butyl ether	ND		ug/kg	1000	--
p/m-Xylene	ND		ug/kg	1000	--
o-Xylene	ND		ug/kg	1000	--
cis-1,2-Dichloroethene	ND		ug/kg	500	--
Dibromomethane	ND		ug/kg	2000	--
1,2,3-Trichloropropane	ND		ug/kg	2000	--
Styrene	ND		ug/kg	1000	--
Dichlorodifluoromethane	ND		ug/kg	5000	--
Acetone	ND		ug/kg	18000	--
Carbon disulfide	ND		ug/kg	2000	--
2-Butanone	ND		ug/kg	5000	--
4-Methyl-2-pentanone	ND		ug/kg	5000	--
2-Hexanone	ND		ug/kg	5000	--
Bromochloromethane	ND		ug/kg	2000	--
Tetrahydrofuran	ND		ug/kg	2000	--
2,2-Dichloropropane	ND		ug/kg	2500	--
1,2-Dibromoethane	ND		ug/kg	2000	--
1,3-Dichloropropane	ND		ug/kg	2000	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	500	--
Bromobenzene	ND		ug/kg	2500	--
n-Butylbenzene	ND		ug/kg	500	--
sec-Butylbenzene	ND		ug/kg	500	--
tert-Butylbenzene	ND		ug/kg	2000	--
o-Chlorotoluene	ND		ug/kg	2000	--
p-Chlorotoluene	ND		ug/kg	2000	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	2000	--
Hexachlorobutadiene	ND		ug/kg	2000	--
Isopropylbenzene	ND		ug/kg	500	--
p-Isopropyltoluene	ND		ug/kg	500	--
Naphthalene	ND		ug/kg	2000	--
n-Propylbenzene	ND		ug/kg	500	--



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/28/14 14:20
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08 Batch: WG678879-3					
1,2,3-Trichlorobenzene	ND		ug/kg	2000	--
1,2,4-Trichlorobenzene	ND		ug/kg	2000	--
1,3,5-Trimethylbenzene	ND		ug/kg	2000	--
1,2,4-Trimethylbenzene	ND		ug/kg	2000	--
Ethyl ether	ND		ug/kg	2500	--
Isopropyl Ether	ND		ug/kg	2000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2000	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2000	--
1,4-Dioxane	ND		ug/kg	20000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	88		70-130

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/29/14 14:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08 Batch: WG678879-6					
Methylene chloride	ND		ug/kg	5000	--
1,1-Dichloroethane	ND		ug/kg	750	--
Chloroform	ND		ug/kg	750	--
Carbon tetrachloride	ND		ug/kg	500	--
1,2-Dichloropropane	ND		ug/kg	1800	--
Dibromochloromethane	ND		ug/kg	500	--
1,1,2-Trichloroethane	ND		ug/kg	750	--
Tetrachloroethene	ND		ug/kg	500	--
Chlorobenzene	ND		ug/kg	500	--
Trichlorofluoromethane	ND		ug/kg	2000	--
1,2-Dichloroethane	ND		ug/kg	500	--
1,1,1-Trichloroethane	ND		ug/kg	500	--
Bromodichloromethane	ND		ug/kg	500	--
trans-1,3-Dichloropropene	ND		ug/kg	500	--
cis-1,3-Dichloropropene	ND		ug/kg	500	--
1,1-Dichloropropene	ND		ug/kg	2000	--
Bromoform	ND		ug/kg	2000	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	500	--
Benzene	ND		ug/kg	500	--
Toluene	ND		ug/kg	750	--
Ethylbenzene	ND		ug/kg	500	--
Chloromethane	ND		ug/kg	2000	--
Bromomethane	ND		ug/kg	1000	--
Vinyl chloride	ND		ug/kg	1000	--
Chloroethane	ND		ug/kg	1000	--
1,1-Dichloroethene	ND		ug/kg	500	--
trans-1,2-Dichloroethene	ND		ug/kg	750	--
Trichloroethene	ND		ug/kg	500	--
1,2-Dichlorobenzene	ND		ug/kg	2000	--
1,3-Dichlorobenzene	ND		ug/kg	2000	--
1,4-Dichlorobenzene	ND		ug/kg	2000	--

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/29/14 14:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08 Batch: WG678879-6					
Methyl tert butyl ether	ND		ug/kg	1000	--
p/m-Xylene	ND		ug/kg	1000	--
o-Xylene	ND		ug/kg	1000	--
cis-1,2-Dichloroethene	ND		ug/kg	500	--
Dibromomethane	ND		ug/kg	2000	--
1,2,3-Trichloropropane	ND		ug/kg	2000	--
Styrene	ND		ug/kg	1000	--
Dichlorodifluoromethane	ND		ug/kg	5000	--
Acetone	ND		ug/kg	18000	--
Carbon disulfide	ND		ug/kg	2000	--
2-Butanone	ND		ug/kg	5000	--
4-Methyl-2-pentanone	ND		ug/kg	5000	--
2-Hexanone	ND		ug/kg	5000	--
Bromochloromethane	ND		ug/kg	2000	--
Tetrahydrofuran	ND		ug/kg	2000	--
2,2-Dichloropropane	ND		ug/kg	2500	--
1,2-Dibromoethane	ND		ug/kg	2000	--
1,3-Dichloropropane	ND		ug/kg	2000	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	500	--
Bromobenzene	ND		ug/kg	2500	--
n-Butylbenzene	ND		ug/kg	500	--
sec-Butylbenzene	ND		ug/kg	500	--
tert-Butylbenzene	ND		ug/kg	2000	--
o-Chlorotoluene	ND		ug/kg	2000	--
p-Chlorotoluene	ND		ug/kg	2000	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	2000	--
Hexachlorobutadiene	ND		ug/kg	2000	--
Isopropylbenzene	ND		ug/kg	500	--
p-Isopropyltoluene	ND		ug/kg	500	--
Naphthalene	ND		ug/kg	2000	--
n-Propylbenzene	ND		ug/kg	500	--



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260C
Analytical Date: 03/29/14 14:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08 Batch: WG678879-6					
1,2,3-Trichlorobenzene	ND		ug/kg	2000	--
1,2,4-Trichlorobenzene	ND		ug/kg	2000	--
1,3,5-Trimethylbenzene	ND		ug/kg	2000	--
1,2,4-Trimethylbenzene	ND		ug/kg	2000	--
Ethyl ether	ND		ug/kg	2500	--
Isopropyl Ether	ND		ug/kg	2000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2000	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2000	--
1,4-Dioxane	ND		ug/kg	20000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 06-07,09 Batch: WG678616-1 WG678616-2								
Methylene chloride	107		100		70-130	7		20
1,1-Dichloroethane	103		101		70-130	2		20
Chloroform	103		102		70-130	1		20
Carbon tetrachloride	101		101		70-130	0		20
1,2-Dichloropropane	96		96		70-130	0		20
Dibromochloromethane	82		91		70-130	10		20
1,1,2-Trichloroethane	88		87		70-130	1		20
Tetrachloroethene	92		98		70-130	6		20
Chlorobenzene	95		100		70-130	5		20
Trichlorofluoromethane	107		104		70-130	3		20
1,2-Dichloroethane	101		97		70-130	4		20
1,1,1-Trichloroethane	104		102		70-130	2		20
Bromodichloromethane	99		99		70-130	0		20
trans-1,3-Dichloropropene	88		93		70-130	6		20
cis-1,3-Dichloropropene	97		96		70-130	1		20
1,1-Dichloropropene	100		102		70-130	2		20
Bromoform	82		86		70-130	5		20
1,1,2,2-Tetrachloroethane	92		94		70-130	2		20
Benzene	100		98		70-130	2		20
Toluene	97		100		70-130	3		20
Ethylbenzene	98		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 06-07,09 Batch: WG678616-1 WG678616-2								
Chloromethane	115		112		70-130	3		20
Bromomethane	120		111		70-130	8		20
Vinyl chloride	122		119		70-130	2		20
Chloroethane	121		130		70-130	7		20
1,1-Dichloroethene	111		111		70-130	0		20
trans-1,2-Dichloroethene	111		109		70-130	2		20
Trichloroethene	102		101		70-130	1		20
1,2-Dichlorobenzene	92		103		70-130	11		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	97		97		70-130	0		20
Methyl tert butyl ether	97		98		70-130	1		20
p/m-Xylene	97		102		70-130	5		20
o-Xylene	96		104		70-130	8		20
cis-1,2-Dichloroethene	104		101		70-130	3		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	97		99		70-130	2		20
Styrene	109		97		70-130	12		20
Dichlorodifluoromethane	129		129		70-130	0		20
Acetone	114		113		70-130	1		20
Carbon disulfide	121		120		70-130	1		20
2-Butanone	93		95		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 06-07,09 Batch: WG678616-1 WG678616-2								
4-Methyl-2-pentanone	99		96		70-130	3		20
2-Hexanone	88		96		70-130	9		20
Bromochloromethane	109		105		70-130	4		20
Tetrahydrofuran	95		93		70-130	2		20
2,2-Dichloropropane	102		100		70-130	2		20
1,2-Dibromoethane	90		90		70-130	0		20
1,3-Dichloropropane	95		93		70-130	2		20
1,1,1,2-Tetrachloroethane	84		90		70-130	7		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	96		96		70-130	0		20
sec-Butylbenzene	96		98		70-130	2		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		99		70-130	1		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	100		90		70-130	11		20
Hexachlorobutadiene	99		101		70-130	2		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	97		99		70-130	2		20
Naphthalene	95		97		70-130	2		20
n-Propylbenzene	97		99		70-130	2		20
1,2,3-Trichlorobenzene	96		99		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 06-07,09 Batch: WG678616-1 WG678616-2								
1,2,4-Trichlorobenzene	99		101		70-130	2		20
1,3,5-Trimethylbenzene	96		97		70-130	1		20
1,2,4-Trimethylbenzene	95		98		70-130	3		20
Ethyl ether	104		108		70-130	4		20
Isopropyl Ether	92		92		70-130	0		20
Ethyl-Tert-Butyl-Ether	92		90		70-130	2		20
Tertiary-Amyl Methyl Ether	94		92		70-130	2		20
1,4-Dioxane	88		90		70-130	2		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	96		98		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG678852-1 WG678852-2								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	99		99		70-130	0		20
Chloroform	98		97		70-130	1		20
Carbon tetrachloride	76		79		70-130	4		20
1,2-Dichloropropane	98		97		70-130	1		20
Dibromochloromethane	86		88		70-130	2		20
1,1,2-Trichloroethane	99		97		70-130	2		20
Tetrachloroethene	101		98		70-130	3		20
Chlorobenzene	102		100		70-130	2		20
1,2-Dichloroethane	98		97		70-130	1		20
1,1,1-Trichloroethane	91		93		70-130	2		20
Bromodichloromethane	91		93		70-130	2		20
trans-1,3-Dichloropropene	76		79		70-130	4		20
cis-1,3-Dichloropropene	89		91		70-130	2		20
Bromoform	78		81		70-130	4		20
1,1,2,2-Tetrachloroethane	98		95		70-130	3		20
Chloromethane	96		96		70-130	0		20
Vinyl chloride	107		107		70-130	0		20
Chloroethane	102		100		70-130	2		20
1,1-Dichloroethene	98		97		70-130	1		20
trans-1,2-Dichloroethene	101		98		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG678852-1 WG678852-2								
Trichloroethene	99		98		70-130	1		20
1,2-Dichlorobenzene	102		101		70-130	1		20
1,3-Dichlorobenzene	102		100		70-130	2		20
1,4-Dichlorobenzene	102		101		70-130	1		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Dichlorodifluoromethane	114		111		70-130	3		20
1,2-Dibromoethane	97		96		70-130	1		20
1,3-Dichloropropane	98		98		70-130	0		20
1,1,1,2-Tetrachloroethane	87		91		70-130	4		20
o-Chlorotoluene	104		102		70-130	2		20
p-Chlorotoluene	102		102		70-130	0		20
Hexachlorobutadiene	100		102		70-130	2		20
1,2,4-Trichlorobenzene	97		97		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG678852-4 WG678852-5								
Methylene chloride	102		104		70-130	2		20
1,1-Dichloroethane	101		106		70-130	5		20
Chloroform	99		105		70-130	6		20
Carbon tetrachloride	74		89		70-130	18		20
1,2-Dichloropropane	99		105		70-130	6		20
Dibromochloromethane	84		94		70-130	11		20
1,1,2-Trichloroethane	96		100		70-130	4		20
Tetrachloroethene	102		104		70-130	2		20
Chlorobenzene	102		105		70-130	3		20
1,2-Dichloroethane	99		104		70-130	5		20
1,1,1-Trichloroethane	91		102		70-130	11		20
Bromodichloromethane	91		100		70-130	9		20
trans-1,3-Dichloropropene	73		82		70-130	12		20
cis-1,3-Dichloropropene	88		99		70-130	12		20
Bromoform	76		86		70-130	12		20
1,1,2,2-Tetrachloroethane	93		97		70-130	4		20
Chloromethane	105		109		70-130	4		20
Vinyl chloride	118		124		70-130	5		20
Chloroethane	106		110		70-130	4		20
1,1-Dichloroethene	101		105		70-130	4		20
trans-1,2-Dichloroethene	102		106		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG678852-4 WG678852-5								
Trichloroethene	101		106		70-130	5		20
1,2-Dichlorobenzene	100		104		70-130	4		20
1,3-Dichlorobenzene	101		104		70-130	3		20
1,4-Dichlorobenzene	102		104		70-130	2		20
cis-1,2-Dichloroethene	102		104		70-130	2		20
Dichlorodifluoromethane	118		125		70-130	6		20
1,2-Dibromoethane	96		100		70-130	4		20
1,3-Dichloropropane	97		102		70-130	5		20
1,1,1,2-Tetrachloroethane	87		98		70-130	12		20
o-Chlorotoluene	105		108		70-130	3		20
p-Chlorotoluene	104		106		70-130	2		20
Hexachlorobutadiene	100		98		70-130	2		20
1,2,4-Trichlorobenzene	94		98		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	102		102		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08 Batch: WG678879-1 WG678879-2								
Methylene chloride	109		111		70-130	2		20
1,1-Dichloroethane	114		118		70-130	3		20
Chloroform	108		113		70-130	5		20
Carbon tetrachloride	106		110		70-130	4		20
1,2-Dichloropropane	113		117		70-130	3		20
Dibromochloromethane	95		99		70-130	4		20
1,1,2-Trichloroethane	106		108		70-130	2		20
Tetrachloroethene	110		113		70-130	3		20
Chlorobenzene	108		112		70-130	4		20
Trichlorofluoromethane	90		91		70-130	1		20
1,2-Dichloroethane	99		104		70-130	5		20
1,1,1-Trichloroethane	112		116		70-130	4		20
Bromodichloromethane	101		106		70-130	5		20
trans-1,3-Dichloropropene	104		108		70-130	4		20
cis-1,3-Dichloropropene	108		112		70-130	4		20
1,1-Dichloropropene	119		122		70-130	2		20
Bromoform	90		95		70-130	5		20
1,1,2,2-Tetrachloroethane	103		106		70-130	3		20
Benzene	117		121		70-130	3		20
Toluene	113		114		70-130	1		20
Ethylbenzene	113		116		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08 Batch: WG678879-1 WG678879-2								
Chloromethane	120		120		70-130	0		20
Bromomethane	87		88		70-130	1		20
Vinyl chloride	116		116		70-130	0		20
Chloroethane	104		104		70-130	0		20
1,1-Dichloroethene	109		119		70-130	9		20
trans-1,2-Dichloroethene	117		121		70-130	3		20
Trichloroethene	112		118		70-130	5		20
1,2-Dichlorobenzene	104		106		70-130	2		20
1,3-Dichlorobenzene	106		108		70-130	2		20
1,4-Dichlorobenzene	105		108		70-130	3		20
Methyl tert butyl ether	107		111		70-130	4		20
p/m-Xylene	111		114		70-130	3		20
o-Xylene	110		113		70-130	3		20
cis-1,2-Dichloroethene	113		116		70-130	3		20
Dibromomethane	99		103		70-130	4		20
1,2,3-Trichloropropane	102		107		70-130	5		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	98		100		70-130	2		20
Acetone	93		99		70-130	6		20
Carbon disulfide	100		108		70-130	8		20
2-Butanone	96		107		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08 Batch: WG678879-1 WG678879-2								
4-Methyl-2-pentanone	110		114		70-130	4		20
2-Hexanone	102		100		70-130	2		20
Bromochloromethane	105		109		70-130	4		20
Tetrahydrofuran	108		91		70-130	17		20
2,2-Dichloropropane	113		117		70-130	3		20
1,2-Dibromoethane	103		106		70-130	3		20
1,3-Dichloropropane	107		110		70-130	3		20
1,1,1,2-Tetrachloroethane	102		104		70-130	2		20
Bromobenzene	104		107		70-130	3		20
n-Butylbenzene	112		116		70-130	4		20
sec-Butylbenzene	112		117		70-130	4		20
tert-Butylbenzene	112		116		70-130	4		20
o-Chlorotoluene	112		116		70-130	4		20
p-Chlorotoluene	112		114		70-130	2		20
1,2-Dibromo-3-chloropropane	96		99		70-130	3		20
Hexachlorobutadiene	104		108		70-130	4		20
Isopropylbenzene	112		115		70-130	3		20
p-Isopropyltoluene	112		115		70-130	3		20
Naphthalene	101		104		70-130	3		20
n-Propylbenzene	112		116		70-130	4		20
1,2,3-Trichlorobenzene	100		102		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 08 Batch: WG678879-1 WG678879-2								
1,2,4-Trichlorobenzene	102		105		70-130	3		20
1,3,5-Trimethylbenzene	111		114		70-130	3		20
1,2,4-Trimethylbenzene	110		114		70-130	4		20
Ethyl ether	92		92		70-130	0		20
Isopropyl Ether	112		116		70-130	4		20
Ethyl-Tert-Butyl-Ether	110		112		70-130	2		20
Tertiary-Amyl Methyl Ether	108		111		70-130	3		20
1,4-Dioxane	129		129		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	90		90		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	92		91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08 Batch: WG678879-4 WG678879-5								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	95		92		70-130	3		20
Chloroform	94		91		70-130	3		20
Carbon tetrachloride	90		86		70-130	5		20
1,2-Dichloropropane	94		92		70-130	2		20
Dibromochloromethane	92		91		70-130	1		20
1,1,2-Trichloroethane	93		93		70-130	0		20
Tetrachloroethene	90		87		70-130	3		20
Chlorobenzene	91		88		70-130	3		20
Trichlorofluoromethane	98		93		70-130	5		20
1,2-Dichloroethane	92		92		70-130	0		20
1,1,1-Trichloroethane	92		89		70-130	3		20
Bromodichloromethane	92		92		70-130	0		20
trans-1,3-Dichloropropene	92		92		70-130	0		20
cis-1,3-Dichloropropene	95		94		70-130	1		20
1,1-Dichloropropene	91		89		70-130	2		20
Bromoform	91		91		70-130	0		20
1,1,2,2-Tetrachloroethane	92		92		70-130	0		20
Benzene	92		90		70-130	2		20
Toluene	88		85		70-130	3		20
Ethylbenzene	88		85		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08 Batch: WG678879-4 WG678879-5								
Chloromethane	97		92		70-130	5		20
Bromomethane	114		109		70-130	4		20
Vinyl chloride	96		92		70-130	4		20
Chloroethane	96		92		70-130	4		20
1,1-Dichloroethene	96		92		70-130	4		20
trans-1,2-Dichloroethene	96		92		70-130	4		20
Trichloroethene	91		89		70-130	2		20
1,2-Dichlorobenzene	91		90		70-130	1		20
1,3-Dichlorobenzene	90		89		70-130	1		20
1,4-Dichlorobenzene	91		89		70-130	2		20
Methyl tert butyl ether	99		99		70-130	0		20
p/m-Xylene	90		86		70-130	5		20
o-Xylene	89		86		70-130	3		20
cis-1,2-Dichloroethene	96		92		70-130	4		20
Dibromomethane	95		95		70-130	0		20
1,2,3-Trichloropropane	92		91		70-130	1		20
Styrene	87		85		70-130	2		20
Dichlorodifluoromethane	97		92		70-130	5		20
Acetone	115		109		70-130	5		20
Carbon disulfide	95		90		70-130	5		20
2-Butanone	99		96		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08 Batch: WG678879-4 WG678879-5								
4-Methyl-2-pentanone	90		92		70-130	2		20
2-Hexanone	88		89		70-130	1		20
Bromochloromethane	97		95		70-130	2		20
Tetrahydrofuran	120		118		70-130	2		20
2,2-Dichloropropane	95		90		70-130	5		20
1,2-Dibromoethane	95		94		70-130	1		20
1,3-Dichloropropane	93		93		70-130	0		20
1,1,1,2-Tetrachloroethane	90		87		70-130	3		20
Bromobenzene	90		90		70-130	0		20
n-Butylbenzene	88		85		70-130	3		20
sec-Butylbenzene	87		84		70-130	4		20
tert-Butylbenzene	88		86		70-130	2		20
o-Chlorotoluene	94		91		70-130	3		20
p-Chlorotoluene	91		88		70-130	3		20
1,2-Dibromo-3-chloropropane	97		95		70-130	2		20
Hexachlorobutadiene	87		84		70-130	4		20
Isopropylbenzene	87		83		70-130	5		20
p-Isopropyltoluene	88		85		70-130	3		20
Naphthalene	92		94		70-130	2		20
n-Propylbenzene	87		84		70-130	4		20
1,2,3-Trichlorobenzene	93		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Volatile Organics - Westborough Lab Associated sample(s): 08 Batch: WG678879-4 WG678879-5								
1,2,4-Trichlorobenzene	96		96		70-130	0		20
1,3,5-Trimethylbenzene	89		86		70-130	3		20
1,2,4-Trimethylbenzene	90		87		70-130	3		20
Ethyl ether	101		98		70-130	3		20
Isopropyl Ether	95		93		70-130	2		20
Ethyl-Tert-Butyl-Ether	94		93		70-130	1		20
Tertiary-Amyl Methyl Ether	94		94		70-130	0		20
1,4-Dioxane	102		104		70-130	2		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	98		100		70-130

PCBS

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-02
 Client ID: AX-GW-MW3-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 09:05
 Analyst: JW

Date Collected: 03/24/14 09:05
 Date Received: 03/24/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-03 D
 Client ID: AX-GW-MW15B-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 13:50
 Analyst: JW

Date Collected: 03/24/14 10:50
 Date Received: 03/24/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	5.00	--	20	A
Aroclor 1221	ND		ug/l	5.00	--	20	A
Aroclor 1232	ND		ug/l	5.00	--	20	A
Aroclor 1242	49.8		ug/l	5.00	--	20	A
Aroclor 1248	ND		ug/l	5.00	--	20	A
Aroclor 1254	ND		ug/l	5.00	--	20	A
Aroclor 1260	ND		ug/l	5.00	--	20	A
Aroclor 1262	ND		ug/l	5.00	--	20	A
Aroclor 1268	ND		ug/l	5.00	--	20	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-04
 Client ID: AX-GW-MW7A-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 09:31
 Analyst: JW

Date Collected: 03/24/14 10:00
 Date Received: 03/24/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	0.493		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-05 D
 Client ID: AX-GW-MW7-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 14:03
 Analyst: JW

Date Collected: 03/24/14 11:25
 Date Received: 03/24/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	2.50	--	10	A
Aroclor 1221	ND		ug/l	2.50	--	10	A
Aroclor 1232	ND		ug/l	2.50	--	10	A
Aroclor 1242	22.7		ug/l	2.50	--	10	A
Aroclor 1248	ND		ug/l	2.50	--	10	A
Aroclor 1254	ND		ug/l	2.50	--	10	A
Aroclor 1260	ND		ug/l	2.50	--	10	A
Aroclor 1262	ND		ug/l	2.50	--	10	A
Aroclor 1268	ND		ug/l	2.50	--	10	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-06 D
 Client ID: AX-GW-MW15D-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 14:16
 Analyst: JW

Date Collected: 03/24/14 11:50
 Date Received: 03/24/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	5.00	--	20	A
Aroclor 1221	ND		ug/l	5.00	--	20	A
Aroclor 1232	ND		ug/l	5.00	--	20	A
Aroclor 1242	45.2		ug/l	5.00	--	20	A
Aroclor 1248	ND		ug/l	5.00	--	20	A
Aroclor 1254	ND		ug/l	5.00	--	20	A
Aroclor 1260	ND		ug/l	5.00	--	20	A
Aroclor 1262	ND		ug/l	5.00	--	20	A
Aroclor 1268	ND		ug/l	5.00	--	20	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-07 D
 Client ID: AX-GW-DUP4-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 14:30
 Analyst: JW

Date Collected: 03/24/14 11:55
 Date Received: 03/24/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	5.00	--	20	A
Aroclor 1221	ND		ug/l	5.00	--	20	A
Aroclor 1232	ND		ug/l	5.00	--	20	A
Aroclor 1242	44.8		ug/l	5.00	--	20	A
Aroclor 1248	ND		ug/l	5.00	--	20	A
Aroclor 1254	ND		ug/l	5.00	--	20	A
Aroclor 1260	ND		ug/l	5.00	--	20	A
Aroclor 1262	ND		ug/l	5.00	--	20	A
Aroclor 1268	ND		ug/l	5.00	--	20	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-08 D
 Client ID: AX-DNAPL-MW15D-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Oil
 Analytical Method: 97,8082
 Analytical Date: 03/30/14 22:37
 Analyst: TQ
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/24/14 12:45
 Date Received: 03/24/14
 Field Prep: Not Specified
 Extraction Method: EPA 3580A
 Extraction Date: 03/27/14 08:09
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/28/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		mg/kg	54000	--	20000	A
Aroclor 1221	ND		mg/kg	54000	--	20000	A
Aroclor 1232	ND		mg/kg	54000	--	20000	A
Aroclor 1242	479000		mg/kg	54000	--	20000	A
Aroclor 1248	ND		mg/kg	54000	--	20000	A
Aroclor 1254	187000		mg/kg	54000	--	20000	A
Aroclor 1260	ND		mg/kg	54000	--	20000	A
Aroclor 1262	ND		mg/kg	54000	--	20000	A
Aroclor 1268	ND		mg/kg	54000	--	20000	A

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

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-09
 Client ID: AX-GW-MW7B-032414
 Sample Location: NEW BEDFORD, MA
 Matrix: Water
 Analytical Method: 97,8082
 Analytical Date: 03/28/14 11:20
 Analyst: JW

Date Collected: 03/24/14 14:00
 Date Received: 03/24/14
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 03/27/14 17:01
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/27/14
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	1.51		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
Analytical Date: 03/31/14 13:48
Analyst: TQ

Extraction Method: EPA 3580A
Extraction Date: 03/27/14 08:09
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/28/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 08 Batch: WG678281-1						
Aroclor 1016	ND		mg/kg	3.66	--	A
Aroclor 1221	ND		mg/kg	3.66	--	A
Aroclor 1232	ND		mg/kg	3.66	--	A
Aroclor 1242	ND		mg/kg	3.66	--	A
Aroclor 1248	ND		mg/kg	3.66	--	A
Aroclor 1254	ND		mg/kg	3.66	--	A
Aroclor 1260	5.20		mg/kg	3.66	--	B
Aroclor 1262	ND		mg/kg	3.66	--	A
Aroclor 1268	ND		mg/kg	3.66	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	111		30-150	B
Decachlorobiphenyl	113		30-150	A

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8082
Analytical Date: 03/28/14 08:43
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/27/14 17:01
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/27/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02-07,09 Batch: WG678478-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.250	--	A
Aroclor 1262	ND		ug/l	0.250	--	A
Aroclor 1268	ND		ug/l	0.250	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	74		30-150	B
Decachlorobiphenyl	64		30-150	A

Matrix Spike Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-07,09 QC Batch ID: WG678478-4 WG678478-5 QC Sample: L1406002-08 Client ID:													
MS Sample													
Aroclor 1016	ND	3.12	3.95	126		3.60	115		40-140	9		20	A
Aroclor 1260	ND	3.12	2.08	67		1.94	62		40-140	7		20	A

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>	<i>Column</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>		
2,4,5,6-Tetrachloro-m-xylene	52		49		30-150	A
Decachlorobiphenyl	58		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		54		30-150	B
Decachlorobiphenyl	67		63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 08 Batch: WG678281-2									
Aroclor 1016	92		-		40-140	-		30	A
Aroclor 1260	125		-		40-140	-		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84				30-150	A
Decachlorobiphenyl	116				30-150	A
2,4,5,6-Tetrachloro-m-xylene	79				30-150	B
Decachlorobiphenyl	107				30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-07,09 Batch: WG678478-2 WG678478-3									
Aroclor 1016	78		75		40-140	3		20	A
Aroclor 1260	84		86		40-140	3		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		62		30-150	A
Decachlorobiphenyl	76		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		63		30-150	B
Decachlorobiphenyl	84		85		30-150	B



Lab Duplicate Analysis
Batch Quality Control

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 08 QC Batch ID: WG678281-4 QC Sample: L1406115-08 Client ID: AX-DNAPL-MW15D-032414						
Aroclor 1016	ND	ND	mg/kg	NC		30 A
Aroclor 1221	ND	ND	mg/kg	NC		30 A
Aroclor 1232	ND	ND	mg/kg	NC		30 A
Aroclor 1242	479000	406000	mg/kg	16		30 A
Aroclor 1248	ND	ND	mg/kg	NC		30 A
Aroclor 1254	187000	157000	mg/kg	17		30 A
Aroclor 1260	ND	ND	mg/kg	NC		30 A
Aroclor 1262	ND	ND	mg/kg	NC		30 A
Aroclor 1268	ND	ND	mg/kg	NC		30 A

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



INORGANICS & MISCELLANEOUS

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-02
Client ID: AX-GW-MW3-032414
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/24/14 09:05
Date Received: 03/24/14
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	44.		mg/l	5.0	NA	1	-	03/27/14 13:30	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-03
Client ID: AX-GW-MW15B-032414
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/24/14 10:50
Date Received: 03/24/14
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	7.7		mg/l	5.0	NA	1	-	03/27/14 13:30	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-04
Client ID: AX-GW-MW7A-032414
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/24/14 10:00
Date Received: 03/24/14
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	26.		mg/l	5.0	NA	1	-	03/27/14 13:30	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-05
Client ID: AX-GW-MW7-032414
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/24/14 11:25
Date Received: 03/24/14
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	-	03/27/14 13:30	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-06
Client ID: AX-GW-MW15D-032414
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/24/14 11:50
Date Received: 03/24/14
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	-	03/27/14 13:30	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-07
Client ID: AX-GW-DUP4-032414
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/24/14 11:55
Date Received: 03/24/14
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	-	03/27/14 13:30	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

SAMPLE RESULTS

Lab ID: L1406115-09
Client ID: AX-GW-MW7B-032414
Sample Location: NEW BEDFORD, MA
Matrix: Water

Date Collected: 03/24/14 14:00
Date Received: 03/24/14
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	-	03/27/14 13:30	30,2540D	JT



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

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): 02-07,09 Batch: WG678197-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	03/27/14 13:30	30,2540D	JT

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent
 B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406115-01A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-02A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-02B	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-02C	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-02D	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	MCP-8082-10(365)
L1406115-02E	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	MCP-8082-10(365)
L1406115-02F	Plastic 1000ml unpreserved	A	7	3.9	Y	Absent	TSS-2540(7)
L1406115-03A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-03B	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-03C	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-03D	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	MCP-8082-10(365)
L1406115-03E	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	MCP-8082-10(365)
L1406115-03F	Plastic 1000ml unpreserved	B	7	5.6	Y	Absent	TSS-2540(7)
L1406115-04A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-04B	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-04C	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-04D	Amber 1000ml unpreserved	B	7	5.6	Y	Absent	MCP-8082-10(365)
L1406115-04E	Amber 1000ml unpreserved	B	7	5.6	Y	Absent	MCP-8082-10(365)
L1406115-04F	Plastic 1000ml unpreserved	B	7	5.6	Y	Absent	TSS-2540(7)
L1406115-05A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-05B	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-05C	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-05D	Amber 1000ml unpreserved	B	7	5.6	Y	Absent	MCP-8082-10(365)
L1406115-05E	Amber 1000ml unpreserved	B	7	5.6	Y	Absent	MCP-8082-10(365)
L1406115-05F	Plastic 1000ml unpreserved	B	7	5.6	Y	Absent	TSS-2540(7)
L1406115-06A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1406115-06B	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-06C	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-06D	Amber 1000ml unpreserved	B	7	5.6	Y	Absent	MCP-8082-10(365)
L1406115-06E	Amber 1000ml unpreserved	B	7	5.6	Y	Absent	MCP-8082-10(365)
L1406115-06F	Plastic 1000ml unpreserved	B	7	5.6	Y	Absent	TSS-2540(7)
L1406115-07A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-07B	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-07C	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-07D	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	MCP-8082-10(365)
L1406115-07E	Amber 1000ml unpreserved	A	7	3.9	Y	Absent	MCP-8082-10(365)
L1406115-07F	Plastic 1000ml unpreserved	B	7	5.6	Y	Absent	TSS-2540(7)
L1406115-08A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-08B	Vial unpreserved	A	7	3.9	Y	Absent	MCP-8082-10(365)
L1406115-09A	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-09B	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-09C	Vial HCl preserved	A	N/A	3.9	Y	Absent	MCP-8260-10(14)
L1406115-09D	Amber 1000ml unpreserved	B	7	5.6	Y	Absent	MCP-8082-10(365)
L1406115-09E	Amber 1000ml unpreserved	B	7	5.6	Y	Absent	MCP-8082-10(365)
L1406115-09F	Plastic 1000ml unpreserved	B	7	5.6	Y	Absent	TSS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

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.
NI	- Not Ignitable.
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.

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.

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.
- 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.

Report Format: Data Usability Report



Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

Data Qualifiers

- 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.

Project Name: AEROVOX
Project Number: 39744051.20003

Lab Number: L1406115
Report Date: 03/31/14

REFERENCES

- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, 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, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1406115

Instrument ID: Quimby.i Calibration Date: 28-MAR-2014 Time: 05:13

Lab File ID: 0328A02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:07 13:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.37755	.43179	.1	14	20	
chloromethane	.55134	.52735	.1	-4	20	
vinyl chloride	.41894	.44956	.1	7	20	
bromomethane	.2956	.2079	.1	-30	20	F
chloroethane	.32297	.3304	.1	2	20	
trichlorofluoromethane	.69441	.70759	.1	2	20	
ethyl ether	.19311	.19201	.05	-1	20	
acrolein	.07673	.07393	.05	-4	20	
freon-113	.44236	.4446	.1	1	20	
acetone	100	98.400	.1	-2	20	
1,1,-dichloroethene	.42433	.41668	.1	-2	20	
tert-butyl alcohol	.01716	.01487	.05	-13	20	F
iodomethane	.35707	.28805	.05	-19	20	
methyl acetate	.21402	.20041	.01	-6	20	
methylene chloride	.4706	.4679	.1	-1	20	
carbon disulfide	1.0746	1.0891	.1	1	20	
acrylonitrile	.1387	.13372	.05	-4	20	
methyl tert butyl ether	.83635	.80022	.1	-4	20	
Halothane	.34383	.33708	.05	-2	20	
trans-1,2-dichloroethene	.46727	.47092	.1	1	20	
Diisopropyl Ether	1.7593	1.7500	.05	-1	20	
vinyl acetate	.67567	.59118	.05	-13	20	
1,1-dichloroethane	.97574	.96619	.2	-1	20	
Ethyl-Tert-Butyl-Ether	1.3260	1.2863	.05	-3	20	
2-butanone	.13501	.12873	.1	-5	20	
2,2-dichloropropane	100	72.416	.05	-28	20	F
ethyl acetate	100	94.065	.05	-6	20	
cis-1,2-dichloroethene	.50063	.50165	.1	0	20	
chloroform	.81007	.79618	.2	-2	20	
bromochloromethane	.20718	.20661	.05	0	20	
tetrahydrofuran	.08878	.08556	.05	-4	20	
1,1,1-trichloroethane	.67564	.61714	.1	-9	20	
cyclohexane	1.1643	1.1905	.01	2	30	
1,1-dichloropropene	.69545	.69592	.05	0	20	
carbontetrachloride	100	76.494	.1	-24	20	F
Tertiary-Amyl Methyl Ether	.87246	.82066	.05	-6	20	
1,2-dichloroethane	.63126	.62088	.1	-2	20	
benzene	1.8091	1.8794	.5	4	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1406115

Instrument ID: Quimby.i Calibration Date: 28-MAR-2014 Time: 05:13

Lab File ID: 0328A02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:07 13:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
trichloroethene	.49594	.49243	.2	-1	20	
methyl cyclohexane	.84918	.86609	.01	2	30	
1,2-dichloropropane	.55529	.54177	.1	-2	20	
bromodichloromethane	.57605	.52467	.2	-9	20	
1,4-dioxane	.00242	.0022	.05	-9	20	F
dibromomethane	.2212	.22043	.05	0	20	
2-chloroethylvinyl ether	.18542	.16101	.05	-13	20	
4-methyl-2-pentanone	.13235	.12322	.1	-7	20	
cis-1,3-dichloropropene	.61107	.54545	.2	-11	20	
toluene	1.5027	1.5346	.4	2	20	
ethyl-methacrylate	100	92.337	.01	-8	0	F
trans-1,3-dichloropropene	100	75.889	.1	-24	20	F
2-hexanone	.24277	.2321	.1	-4	20	
1,1,2-trichloroethane	.33156	.32813	.1	-1	20	
1,3-dichloropropane	.72477	.7074	.05	-2	20	
tetrachloroethene	.65863	.66659	.2	1	20	
chlorodibromomethane	.43466	.37411	.1	-14	20	
1,2-dibromoethane	.3744	.36451	.1	-3	20	
chlorobenzene	1.6152	1.6427	.5	2	20	
1,1,1,2-tetrachloroethane	.4734	.41256	.05	-13	20	
ethyl benzene	2.8947	3.0571	.1	6	20	
p/m xylene	1.1089	1.1925	.1	8	20	
o xylene	1.0425	1.1019	.3	6	20	
styrene	1.6584	1.7856	.31	8	20	
isopropylbenzene	2.9108	3.0919	.1	6	20	
bromoform	.46063	.35781	.1	-22	20	F
1,4-dichlorobutane	1.7893	1.7316	.01	-3	30	
1,1,2,2,-tetrachloroethane	.86592	.84581	.3	-2	20	
1,2,3-trichloropropane	.67315	.65121	.05	-3	20	
trans-1,4-dichloro-2-butene	.30126	.2718	.05	-10	20	
n-propylbenzene	6.3297	6.9040	.05	9	20	
bromobenzene	1.2513	1.2495	.05	0	20	
4-ethyltoluene	2.4079	2.5973	.05	8	20	
1,3,5-trimethylbenzene	4.5406	4.8690	.05	7	20	
2-chlorotoluene	4.4212	4.5931	.05	4	20	
4-chlorotoluene	4.0192	4.0977	.05	2	20	
tert-butylbenzene	3.9705	4.2326	.05	7	20	
1,2,4-trimethylbenzene	4.534	4.8181	.05	6	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1406115

Instrument ID: Jack.i Calibration Date: 28-MAR-2014 Time: 06:34

Lab File ID: 0328B02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:20 13:58

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
=====	=====	=====	=====	=====	=====	
dichlorodifluoromethane	.49527	.6372	.1	29	20	F
chloromethane	100	115	.1	15	20	
vinyl chloride	.91218	1.1139	.1	22	20	F
bromomethane	.29117	.3506	.1	20	20	F
chloroethane	.44462	.53769	.1	21	20	F
trichlorofluoromethane	.96972	1.0383	.1	7	20	
ethyl ether	.2816	.29264	.05	4	20	
1,1,-dichloroethene	.57317	.63625	.1	11	20	
carbon disulfide	1.3889	1.6767	.1	21	20	F
freon-113	.63314	.71564	.1	13	20	
iodomethane	.37278	.27244	.05	-27	20	F
acrolein	.14016	.15594	.05	11	20	
methylene chloride	.59834	.64264	.1	7	20	
acetone	100	114	.1	14	20	
trans-1,2-dichloroethene	.65128	.72077	.1	11	20	
methyl acetate	.43017	.44024	.1	2	20	
methyl tert butyl ether	1.3014	1.2637	.1	-3	20	
tert butyl alcohol	.04678	.04761	.05	2	20	F
Diisopropyl Ether	2.8471	2.6328	.01	-8	20	
1,1-dichloroethane	1.5632	1.6086	.2	3	20	
acrylonitrile	.21841	.22777	.05	4	20	
Halothane	.49604	.51674	.05	4	20	
Ethyl-Tert-Butyl-Ether	2.2696	2.0799	.05	-8	20	
vinyl acetate	1.5145	1.3863	.05	-8	20	
cis-1,2-dichloroethene	.71409	.74406	.1	4	20	
2,2-dichloropropane	.97271	.98736	.05	2	20	
cyclohexane	1.8338	1.9389	.01	6	30	
bromochloromethane	.3082	.3369	.05	9	20	
chloroform	1.1828	1.2148	.2	3	20	
carbontetrachloride	.89326	.90658	.1	1	20	
tetrahydrofuran	.20231	.19236	.05	-5	20	
ethyl acetate	.5616	.5182	.05	-8	20	
1,1,1-trichloroethane	1.0162	1.0602	.1	4	20	
1,1-dichloropropene	.92538	.92351	.05	0	20	
2-butanone	.24149	.22376	.1	-7	20	
benzene	2.6154	2.6190	.5	0	20	
Tertiary-Amyl Methyl Ether	1.3454	1.2618	.05	-6	20	
1,2-dichloroethane	.93584	.94665	.1	1	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1406115

Instrument ID: Jack.i Calibration Date: 28-MAR-2014 Time: 06:34

Lab File ID: 0328B02 Init. Calib. Date(s): 24-MAR-2 24-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:20 13:58

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
methyl cyclohexane	.9805	.996	.01	2	30
trichloroethene	.63791	.65327	.2	2	20
dibromomethane	.31962	.31877	.05	0	20
1,2-dichloropropane	.83876	.80117	.1	-4	20
bromodichloromethane	.82605	.8179	.2	-1	20
1,4-dioxane	.00423	.00372	.05	-12	20
2-chloroethylvinyl ether	.3725	.35791	.05	-4	20
cis-1,3-dichloropropene	.98705	.95892	.2	-3	20
toluene	2.0122	1.9527	.4	-3	20
tetrachloroethene	.87149	.7977	.2	-8	20
4-methyl-2-pentanone	.20046	.19801	.1	-1	20
trans-1,3-dichloropropene	.97089	.85946	.1	-11	20
1,1,2-trichloroethane	.46399	.40921	.1	-12	20
ethyl-methacrylate	.72397	.68859	.01	-5	30
chlorodibromomethane	.65484	.53953	.1	-18	20
1,3-dichloropropane	.97005	.9178	.05	-5	20
1,2-dibromoethane	.56653	.51268	.1	-10	20
2-hexanone	.42284	.37288	.1	-12	20
chlorobenzene	2.1785	2.0688	.5	-5	20
ethyl benzene	3.8004	3.7041	.1	-3	20
1,1,1,2-tetrachloroethane	.77297	.65159	.05	-16	20
p/m xylene	1.4987	1.4587	.1	-3	20
o xylene	1.3908	1.3325	.3	-4	20
bromoform	.65445	.54015	.1	-17	20
styrene	2.3580	2.5788	.3	9	20
isopropylbenzene	6.7198	6.6743	.1	-1	20
bromobenzene	1.6180	1.5684	.05	-3	20
n-propylbenzene	7.1776	6.9456	.05	-3	20
1,4-dichlorobutane	2.5333	2.3712	.01	-6	20
1,1,2,2,-tetrachloroethane	1.0971	1.0087	.3	-8	20
4-ethyltoluene	6.6232	6.3865	.05	-4	20
2-chlorotoluene	5.0164	4.9328	.05	-2	20
1,2,3-trichloropropane	.87607	.84585	.05	-3	20
1,3,5-trimethybenzene	5.2320	5.0204	.05	-4	20
trans-1,4-dichloro-2-butene	.19049	.17117	.05	-10	20
4-chorotoluene	4.4812	4.3717	.05	-2	20
tert-butylbenzene	4.3508	4.1621	.05	-4	20
1,2,4-trimethylbenzene	5.2492	4.9653	.05	-5	20

F

FORM VII MCP-8260-10

APPENDIX C

Well Development Logs

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox - Newbedford - Avx WELL NO.: MW 2B
 PROJECT NO.: A
 STAFF: J. Harshman, C. Karas
 DATE(S): 2/24/14

1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>44.89'</u>	WELL ID.	1"	VOL. (GAL/FT)	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>3.60'</u>	2"		<u>0.17</u>	
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>41.29</u>	3"		0.38	
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>0.04 0.17</u>	4"		0.66	
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>7.02</u>	5"		1.04	
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	<u>21.06</u>	6"		1.50	
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=		8"		2.60	

OR
 $V=0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)										
	6	8	10	12	14	16	18	20	22	25	30
H	11.21	9.30	7.92	7.57	7.62	8.22	6.89	6.92	6.78	7.05	6.93
SPEC. COND. (umhos)	6.642	2.404	2.487	2.678	2.738	2.915	2.778	2.835	2.857	2.867	2.899
APPEARANCE	1499g	—————→									
TEMPERATURE (°C)	14.97	14.88	14.46	14.60	14.70	14.33	13.9	14.61	14.40	14.72	16.26
DO	6.66	1.49	7.09	5.39	6.31	7.01	5.49	0.99	5.91	5.32	5.21
	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000	118	75.5	65.1

COMMENTS:
removed silt prior to sampling

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Axonon WELL NO.: MW-45

PROJECT NO.: _____

STAFF: ARP

DATE(S): 2/29/14

1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>12.42</u>	WELL ID.	1"	VOL. (GAL/FT)	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>4.38</u>	2"		0.17	
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>8.04</u>	3"		0.38	
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>.17</u>	4"		0.66	
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>1.37</u>	5"		1.04	
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x #6)	=	<u>4.1</u>	6"		1.50	
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	_____	8"		2.60	

OR
 $V = 0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	2	4	6	8	10	12	14	16	18	20
PH	6.53	6.32	6.3	6.27	6.26	6.24	6.24	6.24	6.26	6.24
SPEC. COND. (umhos)	1608	1416 ¹⁵⁰⁰	1760	1829	1841	2146	2181	1987	2001	
APPEARANCE	brown	-	-	-	-	-	1.6	1.6/	clear	-
TEMPERATURE (°C)	12.1	11.58	11.92	11.87	11.9	11.60	11.74	11.52	11.55	
DO	2.26	1.96	1.19	0.95	0.98	0.85	1.05	1.23	1.24	
Turb	>range	>range	334	>range	>range	2203	1502	24	22	

COMMENTS:
 Becomes clear, brown again when pump is moved up + down screen
 Final well depth → 12.74 ft

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Ardenex WELL NO.: MW-6B

PROJECT NO.: _____

STAFF: ARR

DATE(S): 2/16/14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x <u>3</u>)	=	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	8"	2.60

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)								
	3	5	10	14	18	21	25		
PH	8.2	5.41	5.41	5.43	5.43	5.42	5.42		
SPEC. COND. (umhos)	3759	3590	2890	4141	3697	3728	3937		
APPEARANCE	High turb	→	→	→	Clear	Clear	Clear		
TEMPERATURE (°C)	11.57	12.75	13.32	14.11	14.53	14.43	15.02		
DO	8.32	2.26	2.41	1.25	1.39	1.60	2.61		
turb	1615	650	1921	816	61.1	98.2	28.2		

COMMENTS:

Final well depth - 55.4 ft

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW 7B

PROJECT NO.: 39744051

STAFF: JKH, CMK

DATE(S): 2.24.14

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	TD	=	<u>40.00</u>	1" 0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>4.33</u>	2" 0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)		=	<u>35.67</u>	3" 0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)		=	<u>0.17</u>	4" 0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)		=	<u>6.06</u>	5" 1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)		=	<u>18.19</u>	6" 1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)		=		8" 2.60

OR
 $V = 0.0406 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)										
	1	3	5	10	12	14	16	18			
PH	11.96	11.86	11.87	11.33	10.54	8.93	8.40	8.36	8.23		
SPEC. COND. (umhos)	3.919	4.711	4.822	5.067	7.400	9.631	9.505	9.465	9.762		
APPEARANCE	silty grey	→	→	→	→	→	→	→	→		
TEMPERATURE (°C)	14.95	15.01	14.30	14.22	14.50	13.94	14.82	14.9	14.57		
DO	7.43	6.50	5.58	5.91	4.38	5.39	1.16	1.09	8.51		
Turb	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000		

COMMENTS:
 let well recharge @ ~13 gal pumped

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: AeronaX WELL NO.: MW-10 D
 PROJECT NO.: 39744051.20001
 STAFF: ARP
 DATE(S): 2/18/14

	TID		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	36.7	=	10 ft	1" 0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)		=	2.10	2" 0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)		=	34.6	3" 0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)		=	6.9 .17	4" 0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)		=	6.9	5" 1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)		=	20.7	6" 1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)		=	45	8" 2.60

OR
 $V=0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	10	12.5	15	20	25	30	35	40	45	
pH	6.39	6.02	6.05	5.99	5.69	5.37	5.26	5.23	5.71	
SPEC. COND. (umhos)	1305	1279	1292	1333	1523	1276	1442	1452	1463	
APPEARANCE	light br.	→	→	1.69% br.	→	→	→	→		
TEMPERATURE (°C)	13.6	14.14	14.2	13.76	14.54	15.05	14.79	14.91	14.88	
DO	8.31	7.32	4.07	4.21	4.01	3.72	3.51	3.14	2.57	
Turbidity	45.9	879	432	71	661	977	179	105	116	

COMMENTS:
 TD - 36.70
 Final depth → 36.6 ft

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Acroway WELL NO.: MW-11B
 PROJECT NO.: _____
 STAFF: ARD
 DATE(S): 2/21/14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	= <u>21.3</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	= <u>8.1</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	= <u>13.2</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	= <u>.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	= <u>2.2</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	= <u>6.6</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	= _____	8"	2.60

OR
 $V=0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	2	5	8	10	12					
pH	12.27	12.2	12.13	12.13	12.03					
SPEC. COND. (umhos)	3545	2116	1845	1802	1515					
APPEARANCE	h. br	h. br / clear	clear	clear	clear					
TEMPERATURE (°C)	11.43	12.6	12.59	12.42	12.35					
DO	1.23	0.93	0.9	0.95	1.24					
Turb	149	118	100.8	85	31					

COMMENTS:
Read box full of water
Small depth - 21.3

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Acropolis WELL NO.: MW-125

PROJECT NO.: _____

STAFF: ARP

DATE(S): 2/19/14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>12.35</u>	1" 0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>5.89</u>	2" 0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>6.46</u>	3" 0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>.17</u>	4" 0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>1.09</u>	5" 1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x #3)	=	<u>3.3</u>	6" 1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>6</u>	8" 2.60

OR
 $V=0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)					
	2	4	6	8	10	
PH	-	-	<u>5.59</u>	<u>4.99</u>	<u>5.02</u>	
SPEC. COND. (umhos)	<u>382</u>	<u>352</u>	<u>463</u>	<u>0.652</u>	<u>0.471</u>	
APPEARANCE	<u>blown</u>	<u>blown</u>	<u>lt. br / gray</u>	<u>silty brown</u>	<u>ll</u>	<u>Development complete.</u>
TEMPERATURE (°C)	<u>9.16</u>	<u>4.2</u>	<u>9.35</u>	<u>8.67</u>	<u>9.71</u>	
<u>DO</u>	<u>2.26</u>	<u>4.51</u>	<u>1.71</u>	<u>1.45</u>	<u>0.61</u>	
<u>Turb</u>	<u>>max</u>	<u>>max</u>	<u>1416</u>	<u>>1000</u>	<u>>1000</u>	

COMMENTS:
 pH not working, jar final water to test pH with working ysi
 - very silty
 - well left to recover follow 1st reading
 - left well to silty recover, will return to continue dev. following recovery

- Return 2/21 - water level back to 4.8 ft
 - ~~test~~ Pump well dry, J. Hargrave to return week of 2/24
 - Return on 2/24/14. DTW: 4.70

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW 13 B
 PROJECT NO.: 39744051
 STAFF: JKH, CMK
 DATE(S): 2-24-14

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	<u>TD</u>	=	<u>22.66</u>	1" 0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>2.38</u>	2" 0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)		=	<u>20.28</u>	3" 0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)		=	<u>0.17</u>	4" 0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)		=	<u>3.44</u>	5" 1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x #6)		=	<u>10.34</u>	6" 1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)		=		8" 2.60

OR
 $V=0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS gal	ACCUMULATED VOLUME PURGED (GALLONS)										
	1	2	4	5	6	8.5	8.7	7.5	11.62	10	11 Gals
H	11.96	12.05	12.07	12.17	11.41	11.72	12.03	11.84	11.62	10.99	11.07
SPEC. COND. (umhos)	6507	6553	5928	5817	3.036	3.421	4.371	3.431	3.330	2.874	2.952
APPEARANCE	greyish	→	nd grey	→	→	→	green grey	→	→	→	→
TEMPERATURE (°C)	12.75	11.43	11.51	12.13	10.42	11.11	14.59	14.02	13.49	15.39	10.58
DO	8.42	6.28	5.70	4.57	6.78	7.28	5.35	5.02	4.15	8.42	8.43
turbidity	2644 AV	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000

COMMENTS:

- well goes dry - allow to recharge
- well goes dry 2nd time - allow to recharge
- Purged dry 3 X's

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW-13 D

PROJECT NO.: _____

STAFF: ARD

DATE(S): 2/21/14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	= <u>10.74</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	= <u>2.63</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	= <u>8.11</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	= <u>.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	= <u>1.4</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x #6)	= <u>4.2</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	= <u>24</u>	8"	2.60

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	2	5	7	9	12	15	18	20	22	24
H	6.51	6.78	6.96	7.01	7.04	7.02	6.99	7.06	7.03	7.03
SPEC. COND. (umhos)	1079	1185	1168	1230	1220	1218	1301	1335	1379	1420
APPEARANCE	dk brown	dk brown	→	→	→	→	→	→	→	→
TEMPERATURE (°C)	8.47	10.7	11.36	10.48	11.07	11.01	11.03 10.5	10.5	11.7	11.82
DO	1.67	2.17	1.42	2.96	1.84	2.98	2.78	3.08	3.11	1.83
<u>urb</u>	>range	>range	>range	>range	>range	>range	>range	>range	>range	>range

COMMENTS: Road box full of water, apparent screen on surface

Small well depth - 10.9

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW 15B
 PROJECT NO.: 39744051
 STAFF: JCH, CMK
 DATE(S): 2.25.14

	TD	=		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)		=	<u>45.70'</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>4.40</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)		=	<u>41.30</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)		=	<u>0.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)		=	<u>7.02</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x <u>3</u>)		=	<u>21.06</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)		=		8"	2.60

OR
 $V=0.0406 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)										
	2	4	6	8	10	12	14	16	18	21	
pH	9.60	10.08	9.66	9.14	8.48	7.67	7.23	7.02	6.90	7.25	
SPEC. COND. (umhos)	0.680	0.790	2.156	3.444	4.570	6.370	7.035	7.425	6.963	4.895	
APPEARANCE	silty grey	→	→	→	→	→	→	→	→	→	
TEMPERATURE (°C)	9.25	12.32	14.86	14.24	12.78	14.36	15.00	14.89	14.27	11.80	
DO	9.45	8.94	7.04	5.64	3.77	2.07	1.11	0.76	1.32	1.25	
TURB	810	950	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000	

COMMENTS:
 poor recharge
 Trace sheen in purge water, becoming heavier sheen after 12 gals removed; odor now present
 Well Development complete.

Note: (lower portion of tubing stained w/ DNAPL upon removal (at ~ 35-40', just above the grinder pump)

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW15D
 PROJECT NO.: 39744051
 STAFF: JKH
 DATE(S): 2.25.14

	=		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>~31'</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>5.42</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>25.58</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>0.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>4.34</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x <u>3</u>)	=	<u>13</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>20</u>	8"	2.60

OR
 $V=0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
PH	 Not measured due to DNAPL silty brown, some clearing towards end of development 									
SPEC. COND. (umhos)										
APPEARANCE										
TEMPERATURE (°C)										
DO										

COMMENTS:

- Gaged well for DNAPL w/ bailer - presence of DNAPL inside bailer after removal. Could not determine thickness.
- Using dedicated whole Pump for development.
- Heavy sheen on purge water; odor present (MGP-like)
- Excellent recharge. Pumping at ~1 GPM

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovex WELL NO.: MW-165

PROJECT NO.: _____
 STAFF: ARP
 DATE(S): 2/19/14 - 2/20/14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	= <u>12.24</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	= <u>4.10</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	= <u>8.14</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	= <u>.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	= <u>1.38</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x <u>3</u>)	= <u>4.14</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	= <u>22 gal</u>	8"	2.60

OR
 $V = 0.0408 \times (\text{CASING DIAMETER})^2$

begin 2/20/14

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	1.5	3	4.5	6	9	12	15	20		
PH	9.70	8.43	8.16	5.73	5.8	5.83	5.9	5.91		
SPEC. COND. (umhos)	5.36	6.68	5.22	4500	5155	5976	5607	6822		
APPEARANCE	lt brown		→	→	lt br	brown	brown	brown		
TEMPERATURE (°C)	8.25	8.37	8.45	8.86	9.0	9.03	9.2	9.54		
DO	3.18	3.58	5.72	2.78	1.72	1.41	1.37	1.47		
turbidity	>100	84.2	>range	>range	>range	>range	3394	1794		

COMMENTS:
 left well overnight for recovery - 12/19
 Final well depth 12.37 ft

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW17B

PROJECT NO.: 39744051

STAFF: JKH, CMK

DATE(S): 2-24-14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	TD = <u>48.58</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	= <u>3.77</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	= <u>44.81</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	= <u>0.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	= <u>7.61</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	= <u>22.8</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	= <u>23</u>	8"	2.60

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	1	3	7	9	12	15	18	21	23	
pH	11.89	11.97	11.09	9.90	9.40	8.79	8.09	7.71	7.45	
SPEC. COND. (umhos)	1.710	2.884	1.707	2.172	2.080	2.196	2.296	2.303	2.318	well Development Complete
APPEARANCE	slightly grey	clear	→	→	→	→	→	→	→	
TEMPERATURE (°C)	14.53	14.17	15.00	14.85	14.30	14.88	15.46	15.30	15.09	
DO	4.47	2.11	1.93	1.31	0.97	1.05	0.60	0.99	0.77	
Turb	>1000	52.9	>1000	42.8	605	116	5.24	26.1	9.16	

COMMENTS:
Surging well screen. pump rate ~ 0.5 GPM. Excellent recharge.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW 17D
 PROJECT NO.: 39744051
 STAFF: JCH, CMK
 DATE(S): 2.24.14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	<u>TD</u> = <u>33.25</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	= <u>3.62</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	= <u>29.63</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	= <u>0.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	= <u>5.03</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	= <u>15.1</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	= <u>18 gals</u>	8"	2.60

OR
 $V=0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)										
	1	2	3	5	7	9	11	12	15		
PH	7.00	6.56	6.46	6.28	6.25	6.27	6.43	6.24	6.18 5.17		
SPEC. COND. (umhos)	2895	2394	2.754	2.825	2.936	2992	2.878	2.879	2.872		well
APPEARANCE	md. brown	-	→	→	→	→	→	→	→		Develop.
TEMPERATURE (°C)	15.01	15.01	15.31	14.62	15.45	15.67	14.61	15.52	15.17		Complete
DO	3.40	1.45	0.81	0.81	1.24	2.50	3.68	1.88	1.62		
Turb	>1000	>1000	>1000	71000	71000	71000	71000	77	100.6		

COMMENTS:

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW-185

PROJECT NO.: _____

STAFF: ARD

DATE(S): 2/20/14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	= <u>12.58</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	= <u>5.04</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	= <u>7.54</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	= <u>.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	= <u>1.24</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	= <u>3.8</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	= <u>18</u>	8"	2.60

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)								
	2	5	7	10	13	15	18		
pH	7.46	6.77	6.52	6.47	6.42	6.39	6.36		
SPEC. COND. (umhos)	180	154	165	185	147	217	240		
APPEARANCE	brown	brown	brown	lt br	lt br	lt br/clear	lt br/clear		
TEMPERATURE (°C)	11.05	11.7	11.83	11.98	11.93	12.1	11.64		
DO	8.32	6.96	8.19	5.77	5.14	5.9	5.8		
turb	7.1mg/l	7.1mg/l	7.1mg/l	2401	2023	603	276		

COMMENTS:

Final well depth - 12.65

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW-18D

PROJECT NO.: _____

STAFF: ARD

DATE(S): 2/20/14

	=		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>22.9</u>	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>4.73</u>	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>18.17</u>	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>.17</u>	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>3.1</u>	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	<u>9.3</u>	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>18</u>	8"	2.60

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)										
	3	6	9	12	15	18					
PH	6.24	6.07	6.14	6.09	6.15	6.17					
SPEC. COND. (umhos)	1851	2126	2150	2191	2001	1968					
APPEARANCE	12.6% clear	→	→	clear	clear	clear					
TEMPERATURE (°C)	17.9	17.66	17.7	16.7	16.76	16.79					
DO	0.61	0.7	0.5	0.98	0.81	0.76					
Turb	87.7	79.9	67.3	34.3	26.2	21.1					

COMMENTS:

Final well depth - 22.91

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovex WELL NO.: MW-195

PROJECT NO.: _____

STAFF: ARP

DATE(S): 2/21/14

		WELL ID	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.) (TD)	=	<u>12.30</u>	1" 0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>5.51</u>	2" 0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>6.79</u>	3" 0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>2180.17</u>	4" 0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>1.15</u>	5" 1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x <u>3</u>)	=	<u>3.45</u>	6" 1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>10</u>	8" 2.60

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	1	2	3	4	5					
pH	<u>8.31</u>	<u>6.80</u>	<u>8.27</u>	<u>7.72</u>	<u>7.31</u>	<u>6.46</u>				
SPEC. COND. (umhos)	<u>0.325</u>	<u>184</u>	<u>188</u>	<u>183</u>	<u>0.190</u>					
APPEARANCE	<u>little cloudy</u> →		<u>mostly clear</u> →							
TEMPERATURE (°C)	<u>6.15</u>	<u>8.27</u>	<u>7.55</u>	<u>6.71</u>	<u>6.60</u>					
DO	<u>4.00</u>	<u>4.85</u>	<u>4.96</u>	<u>4.61</u>	<u>4.18</u>					
Turb	<u>45.7</u>	<u>28.9</u>	<u>64.9</u>	<u>56.1</u>	<u>45.3</u>					

COMMENTS:

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW19D

PROJECT NO.: _____

STAFF: JKH

DATE(S): 2-21-14

1. TOTAL CASING AND SCREEN LENGTH (FT.)	<u>TD</u>	=	<u>24.15</u> 22.62	WELL ID.	1"	VOL. (GAL/FT)	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>5.63</u>	2"			0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)		=	<u>18.52</u>	3"			0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)		=	<u>0.17</u>	4"			0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)		=	<u>3.14</u>	5"			1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x <u>3</u>)		=	<u>9.44</u>	6"			1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)		=	<u>20-25</u>	8"			2.60

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
PH	5.53	5.65	5.79	5.81	5.80	5.83	5.84	5.82	5.87	5.91
SPEC. COND. (umhos)	1.526	15.08	12.59	12.23	13.83	12.33	12.47	12.25	12.16	12.11
APPEARANCE	silty brown	→	little cloudy	→	→	→	→	→	clear	→
TEMPERATURE (°C)	10.93	13.79	12.62	13.45	13.36	14.22	13.98	13.17	14.25	14.70
DO	2.02	1.17	0.95	0.54	0.78	0.84	0.62	0.73	0.89	0.96
TURB	>1000	>1000	128	53.1	65.2	66.1	52.3	29.2	25.6	33.5

COMMENTS:

V. good recharge

Final TD: 24.15 (bottom solid, no silt)

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Aerovox WELL NO.: MW-101B

PROJECT NO.: _____

STAFF: AAD

DATE(S): 2/19/14 - 2/20/14 ; 2/24/14

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x #3)	=	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	8"	2.60

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)						
	2	5	7	9	11	13	
PH	12.67	12.52	11.67	12.11 13.91	12.30	12.42 15.91	
SPEC. COND. (umhos)	732	8347	1035	1076	1112	1144	
APPEARANCE	1st time →		-28			siltier	Well development complete
TEMPERATURE (°C)	11.2	11.19	13.71	13.91	15.14	15.77	
DO	4.72	3.21	1.67	1.48	3.02	3.43	
Turb	7 range	7 range	-28	341 AU	>1000	1845 AU	

COMMENTS:
 leaving well to recharge overnight. 2/19/14
 2/20 well recovered yet overnight to 24.4 - water level
 - pumped dry, left for recovery, Jeff to recheck week of 2/24.
 2/24/14 - DTW: 17.00' PVC

APPENDIX D

Spring 2014 Cap and Containment Barrier Inspection Report

Date: June 9, 2014

To: FILE, MassDEP RTN 4-0601

From: Marilyn M. Wade, P.E., LSP

Subject: **2014 Report of Annual Spring Cap Inspection
Former Aerovox Facility, New Bedford, MA**

On May 8, 2014, Marilyn Wade from URS completed the annual inspection of the cap and containment barrier currently in place at the former Aerovox facility, 740 Belleville Avenue, New Bedford, MA (the Site). This inspection was completed in fulfillment of the requirements under the “Monitoring and Maintenance Plan for the Former Aerovox Facility, New Bedford, MA” (the MM Plan) dated May 2013 and approved by the U.S. Environmental Protection Agency (EPA). Specifically, the MM Plan requires that while response actions under the Massachusetts Contingency Plan (MCP) are ongoing, the cap must be inspected once each calendar year in late spring (April or May), and states that “The purpose of the annual inspection will be to assess winter damage, weed growth and the potential for underlying soils to be exposed or to become exposed in the upcoming year.” In addition, the MM Plan requires that the readily-visible portion of the containment barrier also must be inspected and that repairs if necessary are made to ensure the containment barrier remains in place. EPA’s requirements for monitoring and maintenance of the cap were established pursuant to the Administrative Settlement Agreement and Order on Consent (AOC) for Non-Time Critical Removal Action (NTCRA) between AVX Corporation (AVX) and EPA, effective June 3, 2010, in order to maintain compliance with TSCA Determination Condition 5 (found in Appendix A of the AOC).

In addition to Ms. Wade, the following were also present on site during the inspection:

- Ms. Kimberly Tisa, EPA Region 1 TSCA Coordinator
- Ms. Ginny Lombardo, EPA Region 1 Overall Remedial Project Manager for New Bedford
- Ms. Elaine Stanley, EPA Region 1 Remedial Project Manager for New Bedford Harbor
- Mr. Gerard Martin, MassDEP Section Chief, Southeast Region Bureau of Waste Site Cleanup (Aerovox MCP Designated Coordinator for MassDEP)
- Ms. Michele Paul, City of New Bedford Director of Environmental Stewardship

The annual cap and containment barrier inspection was completed and documented using the Site cap O&M Inspection Checklist contained in the MM Plan. A copy of the

completed checklist is provided in Appendix A. The inspection included a photographic record of Site conditions on of May 8, 2014. The photographic log is provided in Appendix B. The following observations are were made in comparing the inspection checklist and photographic log for May 8, 2014 to the U.S. Army Corps of Engineers “Final Former Aerovox Property Photographic Record” completed at the end of the NTCRA, dated September 2012:

- Restoration of areas of the cap that have been disturbed during implementation of the MCP work has been completed. Penetrations from Membrane Interface Probe and soil borings have been grouted and the pavement patched. Monitoring well installations have been completed with flush mount road boxes and concrete.
- The readily visible portion of the containment barrier remains in place and effective. No evidence of breach, compromise or excessive decay was noted, and the condition appears to be the same as previously documented in the September 2012 record.
- With the exception of new cracks in the asphalt along the north edge of the Aerovox property, adjacent to the fence, the remaining HAC and new cap areas are substantially the same condition as noted at the completion of the NTCRA. Settling or cracking of the cap since the NTCRA, where evident, did not result in a condition that would potentially allow direct contact with underlying soils.
- Along the north side of the Aerovox property, where the north wall of the former Aerovox facility previously existed and in the vicinity of MIP borings #6 and #8, new cracks have appeared in the pavement. These cracks are limited to the area between the fence and former foundation and are approximately 40 feet total in length.
- The weed growth was minimal as of the May inspection, due in part to the severity of the winter. Weed maintenance is nevertheless recommended.

Maintenance Plan

For 2014, based on the results of the inspection, the planned maintenance of the cap will include:

- early summer weed spraying and removal, expected to occur in June-July
- late summer weed spraying and removal, expected to occur in August-September

- Cleaning and filling of the new cracks identified along the north fence in the vicinity of MIP-6 and MIP-8. Timing of this crack filling will coincide with patching and filling of penetrations to the cap that will occur as part of the next round of soil borings and well installations. This work will take place in the July-August timeframe, and the specific date will be weather dependent.

Documentation of the planned maintenance activities will be provided in the next regular submittal under the MCP program implementation as required by the MM Plan.

Attachments: Appendix A – Inspection Checklist
Appendix B – Photo Log

APPENDIX A

Cap and Containment Barrier Inspection Checklist

AEROVOX
NEW BEDFORD, MASSACHUSETTS
CAP O&M INSPECTION CHECKLIST

MM Team Leader MARILYN WADE, URS
 Other Field Team Member(s) K. TISA, G. LOMBARDO, F. STANLEY (EPA) & MARTIN (DEP), M. PAUL (CNB)
 Date/Time of Inspection THURSDAY, MAY 8, 2014 10AM
 Weather Conditions: PARTLY CLOUDY, WARM, 55°F

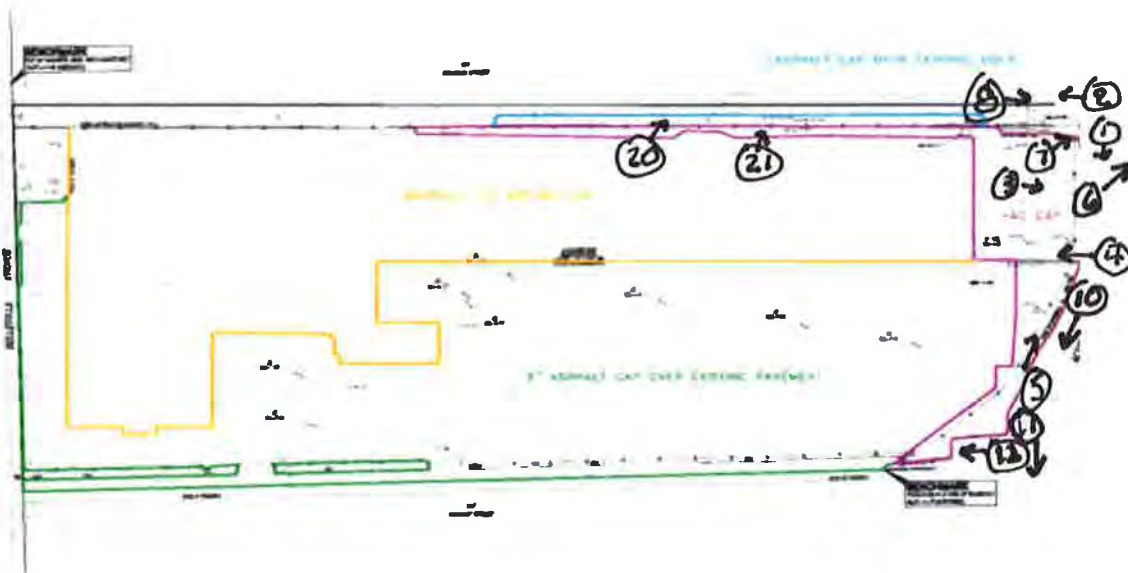
HAC Cap

A1 Is there evidence of cracking?	Minor	<u>Moderate</u>	Severe
A2 Is there evidence of pavement settling?	<u>No</u>		Yes
A3 Is subgrade (soil) showing through pavement?	<u>No</u>		Yes
A4 Condition of pavement surrounding wells, catch basins, and manholes	<u>Good</u>		Poor
A5 Condition of pavement surrounding fence posts and gates	Good	FAIR	Poor

Comments:

PHOTO LOG NUMBERS + DIRECTIONS PROVIDED BELOW.
Swale from chiller - weed control needed. Shoreline shrubs along sheet pile wall need to be cut + root stump painted with Rodeo. Weed spraying needed along south trench wall. Barrier sheet pile wall without bulges, breaches or holes. HAC cap strip between former foundation + north fence shows new cracking in vicinity of MIP-6 AND MIP-8. TOTAL CRACK length ~ 40ft.

Indicate locations in need of repair on sketch - Refer to Figure 2 of MM Plan for a detailed drawing.



Source: Topographic information from As-Built Plan dated January 4, 2012, completed by ThompsonFarland Professional Engineers/Land Surveyors.

MW
5/8/14

**AEROVOX
NEW BEDFORD, MASSACHUSETTS
CAP O&M INSPECTION CHECKLIST**

O&M Team Leader

SAME AS PAGE 1

Other Field Team Member(s)

Date/Time of Inspection

Weather Conditions:

Asphalt Cap - Former Building footprint

B1 Is there evidence of cracking?

NO Minor

Moderate

Severe

B2 Is there evidence of pavement settling?

No

MINOR

Yes

B3 Is subgrade (soil) showing through pavement?

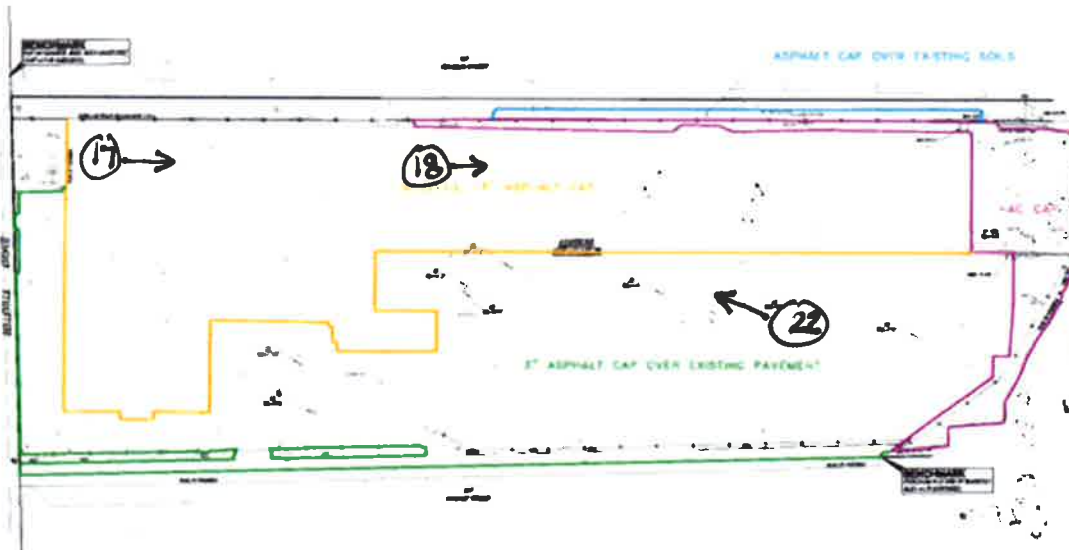
No

Yes

Comments:

PHOTO LOG NUMBERS AND DIRECTION PROVIDED BELOW.
CAP OVER FORMER BUILDING IN VERY GOOD CONDITION. SOME
SETTLEMENT, BUT NOTHING SEVERE AND NO CRACKS OR
BREACHES EVIDENT.

Indicate locations in need of repair on sketch - Refer to Figure 2 of MM Plan for a detailed drawing.



Source: Topographic information from As-Built Plan dated January 4, 2012, completed by ThompsonFarland Professional Engineers//Land Surveyors.

JW
5/8/14

**AEROVOX
NEW BEDFORD, MASSACHUSETTS**

CAP O&M INSPECTION CHECKLIST

MM Team Leader

Other Field Team Member(s)

Date/Time of Inspection

Weather Conditions:

Same as page 1 of 4

Asphalt Cap Over Existing Pavement

- A1 Is there evidence of cracking?
- A2 Is there evidence of pavement settling?
- A3 Is subgrade (soil) showing through pavement?
- A4 Condition of pavement surrounding wells, catch basins, and manholes
- A5 Condition of pavement surrounding fence posts and gates

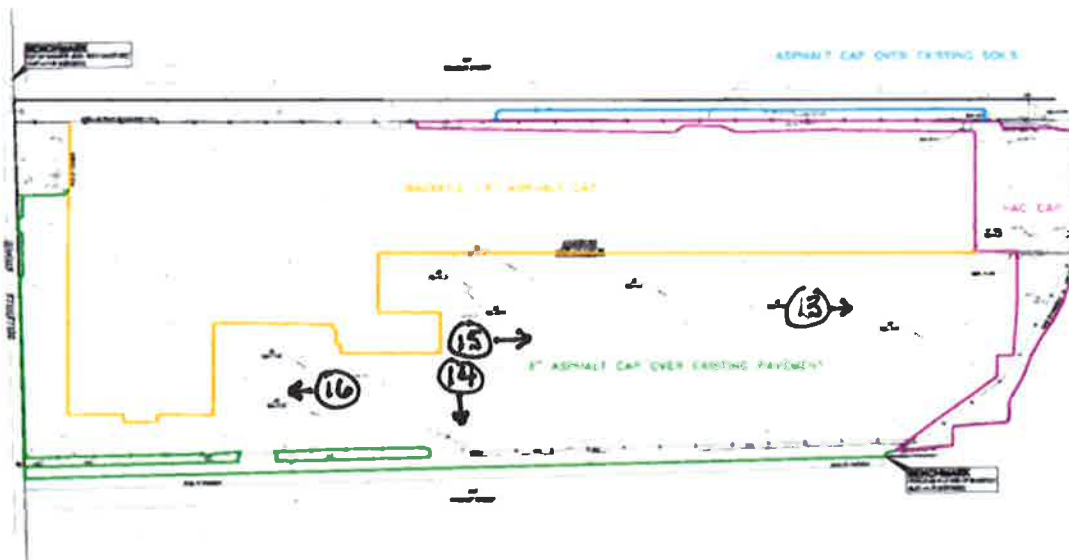
None	Minor	Moderate	Severe
	(No)		Yes
	(No)		Yes
	(Good)		Poor
	(Good)		Poor

Comments:

Pavement in very good condition across middle of the site. All boring holes filled. No evidence of cracking observed. Some minor weed growth along fence post bases. Some settling may have occurred, but no cap damage or significant differential settlement.

PHOTO LOG NUMBERS + DIRECTIONS PROVIDED BELOW

Indicate locations in need of repair on sketch - Refer to Figure 2 of MM Plan for a detailed drawing.



Source: Topographic information from As-Built Plan dated January 4, 2012, completed by ThompsonFarland Professional Engineers/Land Surveyors.

JW
5/8/14

**AEROVOX
NEW BEDFORD, MASSACHUSETTS
CAP O&M INSPECTION CHECKLIST**

MM Team Leader
Other Field Team Member(s)
Date/Time of Inspection
Weather Conditions:

Same as page 1 of 4
↓

Asphalt Cap Over Existing Soils

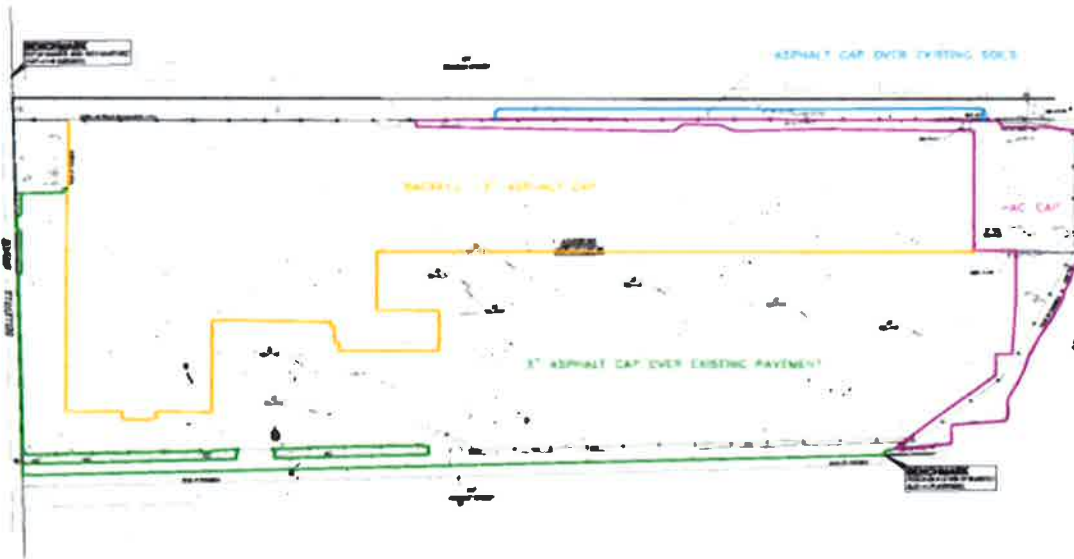
- A1 Is there evidence of cracking?
- A2 Is there evidence of pavement settling?
- A3 Is subgrade (soil) showing through pavement?
- A4 Condition of pavement surrounding wells, catch basins, and manholes

None	Minor	Moderate	Severe
No			Yes
No			Yes
Good			Poor

Comments:

PAVEMENT NOW USED FOR PRELIX PARKING, IN VERY GOOD
CONDITION WITH NO EVIDENCE OF CRACKING OR
SETTLEMENT. (SEE PHOTOS 20+21)

Indicate locations in need of repair on sketch



Source: Topographic information from As-Built Plan dated January 4, 2012, completed by ThompsonFarland Professional Engineers/Land Surveyors.

[Handwritten signature]
5/8/14


APPENDIX B

Photographic Log



PHOTOGRAPHIC LOG

Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No. 39744051
Photo No. 1	Date: 5/8/2014		
Direction Photo Taken: South			
Description: HAC Cap view from northeast corner looking south along the waterfront and containment. Spider cracking visible is consistent with 2012 observations.			

Photo No. 2	Date: 5/8/2014		
Direction Photo Taken: West			
Description: HAC Cap view from the northeast corner looking west. Cracks shown are consistent with 2012 observations. Sand is surficial, not from beneath the cap.			



PHOTOGRAPHIC LOG



Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No. 39744051
Photo No. 3	Date: 5/8/2014		
Direction Photo Taken: East			
Description: HAC Cap view taken from former location of the chiller looking towards river along swale area. Some vegetation growth visible, particularly along the barrier. Sand is surficial, not from beneath the cap. Cracks observed are consistent with conditions in 2012.			

Photo No. 4	Date: 5/8/2014		
Direction Photo Taken: West-Southwest			
Description: HAC Cap view looking west-southwest across the south trench. Vegetation growth starting in areas between concrete trench and HAC cap. Cracks shown are consistent with 2012 observations.			



PHOTOGRAPHIC LOG



Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No.: 39744051
Photo No.: 5	Date: 5/8/2014		
Direction Photo Taken: North			
Description: HAC Cap and Containment Barrier (sheet pile wall) view from southeast corner looking north. Barrier remains intact without bulges, breaches or rust holes. Vegetation growth between HAC cap and wall will need to be removed. Fence down, to be replaced by EPA. Cracks shown are consistent with 2012 observations.			

Photo No.: 6	Date: 5/8/2014		
Direction Photo Taken: Northeast			
Description: HAC Cap and Containment Barrier (sheet pile wall) view through fence at northeast portion of site. Barrier remains intact without bulges, breaches or rust holes. Vegetation growth between HAC cap and wall will need to be removed. Cracks shown are consistent with 2012 observations.			



PHOTOGRAPHIC LOG

Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No. 39744051
Photo No. 7	Date: 5/8/2014		
Direction Photo Taken: Northeast			
Description: HAC Cap and Containment Barrier (sheet pile wall) view to the northeast standing at well cluster MW-15D/MW-15B. Road box, cap seal intact. Sand shown is surficial, not from beneath the cap. Wind blown debris caught by fence. Cracks shown are consistent with 2012 observations			

Photo No. 8	Date: 5/8/2014		
Direction Photo Taken: East			
Description: HAC Cap, Containment Barrier and North Trench view looking east. Prior crack fill holding. Vegetation growth at border between asphalt and concrete. Cracks shown are consistent with 2012 observations.			



PHOTOGRAPHIC LOG



Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No. 39744051
Photo No. 9	Date: 5/8/2014		
Direction Photo Taken: West			
Description: HAC Cap and Trench HAC, East End view from top of north concrete trench. Very minor weed growth. Cracks shown are consistent with 2012 observations.			

Photo No. 10	Date: 5/8/2014		
Direction Photo Taken: South			
Description: Containment Barrier (sheet pile wall) looking south from center of the site. Barrier remains intact without bulges, breaches or rust holes. Cracks shown are consistent with 2012 observations.			



PHOTOGRAPHIC LOG

Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No.: 39744051
Photo No.: 11	Date: 5/8/2014		
Direction Photo Taken: South			
Description: Containment Barrier (sheet pile wall) looking south from southeast corner. Barrier remains intact without bulges, breaches or rust holes. Vegetation growth and sand collected along edge of wall. Cracks shown are consistent with 2012 observations.			

Photo No.: 12	Date: 5/8/2014		
Direction Photo Taken: West			
Description: Containment Barrier (sheet pile wall) looking west from southeast corner. Barrier remains intact without bulges, breaches or rust holes. Vegetation growth and sand collected along edge of wall. Cracks shown are consistent with 2012 observations.			



PHOTOGRAPHIC LOG




Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No. 39744051
Photo No. 13	Date: 5/8/2014		
Direction Photo Taken: East			
Description: Asphalt Cap Over Existing Pavement view from middle of the site facing east. Pavement condition very good, no cracks evident.			

Photo No. 14	Date: 5/8/2014		
Direction Photo Taken: South			
Description: Asphalt Cap over existing pavement (background) and former building foundation (foreground) view from middle of the site facing south toward Hadley Street. Pavement condition very good, no cracks evident.			



PHOTOGRAPHIC LOG


Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No. 39744051
Photo No. 15	Date: 5/8/2014		
Direction Photo Taken: East			
Description: Asphalt Cap Over Existing Pavement (background) and building foundation (foreground) view from middle of the site facing east. Pavement condition very good, no cracks evident.			

Photo No. 16	Date: 5/8/2014		
Direction Photo Taken: West			
Description: Asphalt Cap Over Existing Pavement view from middle of the site facing west toward City parking area and Belleville Avenue. Pavement condition very good, no cracks evident.			



PHOTOGRAPHIC LOG

Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No. 39744051
Photo No. 17	Date: 5/8/2014		
Direction Photo Taken: East			
Description: Asphalt Cap over former building footprint view from northwest corner of the site looking east. Pavement condition very good, no cracks evident.			

Photo No. 18	Date: 5/8/2014		
Direction Photo Taken: East			
Description: Asphalt Cap over former building footprint view from middle of the site looking east. Pavement condition very good, no cracks evident.			



PHOTOGRAPHIC LOG

Project Name: Former Aerovox Facility	Site Location: New Bedford, Massachusetts	Project No. 39744051
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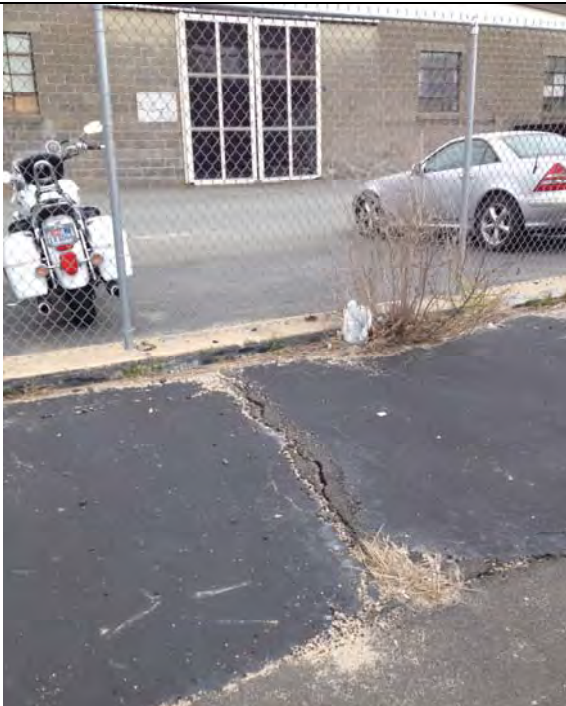
Photo No. 19	Date: 5/8/2014	
Direction Photo Taken: North		
Description: Asphalt Cap over former building footprint view is from middle of the site looking north toward Precix property. Area is where HAC portion of north side meets new pavement. Some cracking and weed growth evident on HAC side of this area, but new pavement in good condition. New Pavement over formerly unpaved portion in background on other side of the fence is in good condition.		

Photo No. 20	Date: 5/8/2014	
Direction Photo Taken: Northeast		
Description: HAC Cap strip along north fence line view looking northeast toward Precix property in the vicinity of MIP-6. New cracks shown will need to be filled. New Pavement over formerly unpaved portion in background on other side of the fence is in good condition		



PHOTOGRAPHIC LOG



Project Name: Former Aerovox Facility		Site Location: New Bedford, Massachusetts	Project No. 39744051
Photo No. 21	Date: 5/8/2014		
Direction Photo Taken: Northwest			
Description: HAC Cap strip along north fence line view looking northwest toward Precix property in the vicinity of MIP-8. New cracks shown will need to be filled. New Pavement over formerly unpaved portion in background on other side of the fence is in good condition			

Photo No. 22	Date: 5/8/2014		
Direction Photo Taken: Northwest			
Description: View of expanse of cap over former building footprint facing northwest towards Belleville Avenue. Pavement condition very good, soil boring holes filled with no evidence of cracking.			