



**PHASE II ENVIRONMENTAL
SITE ASSESSMENT
537 EAST DELAVAN AVENUE
BUFFALO, NEW YORK**

PREPARED FOR:

NorDel I, LLC
In care of Buffalo Urban Development Corporation
Buffalo, New York

PREPARED BY:

GZA GeoEnvironmental of New York
Buffalo, New York

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File No. 31.0180045.10

Mr. Peter Cammarata
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Re: Phase II Environmental Site Assessment
537 East Delavan Avenue
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Dear Mr. Cammarata:

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GZA GeoEnvironmental of New York (GZA) has prepared this report describing the results of the Phase II Environmental Site Assessment (ESA) at the above referenced Site. GZA developed a scope of work to assess some of the data gaps identified as part of the Environmental Condition Analysis completed for Buffalo Urban Development Corporation (BUDC) by GZA earlier this year (report dated May 2014). At the direction of NorDel I, GZA prepared the scope of this Phase II ESA in consultation with BUDC and members of the New York State Department of Environmental Conservation (NYSDEC) Region 9 Division of Remediation. Specifically, soil probes were conducted in overburden soils in “dark” areas of the Site where little or no environmental data has been previously collected.

The results of the Phase II ESA helped to further characterize the hydrogeological conditions of the Site. The Phase II supplements previous investigations by providing physical and chemical data collected from areas of the Site which previously had limited or no such data. A specific area of known contamination (Area 4- former degreaser storage area) was further explored and no new sources of significant soil contamination were revealed.

We trust this report satisfies your present needs. Should you have any questions or require additional information following your review, please do not hesitate to contact Jim Richert at 716-844-7048.

Sincerely,

GZA GEOENVIRONMENTAL OF NEW YORK

Handwritten signature of James Richert in blue ink.

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1.00 INTRODUCTION



In accordance with our October 3, 2014 proposal, GZA GeoEnvironmental of New York (GZA) performed a Phase II Environmental Site Assessment (ESA) at 537 East Delavan Avenue in Buffalo, New York (Site) for NorDel I, LLC (Client). A Locus Plan is attached as Figure 1 and a Soil Probe Location Plan as Figure 2.

BACKGROUND

GZA previously completed a report entitled, “Environmental Condition Analysis, 537 East Delavan Ave., Buffalo, New York” dated May 2, 2014. GZA’s Environmental Condition Analysis (ECA) consisted of a document collection and review, interviews, a Site reconnaissance, an information analysis, and report preparation. The ECA was performed in accordance with the scope of work in the contract with Buffalo Urban Development Corp. (BUDC) and was not intended to be in conformance with any ASTM standard.

The ECA identified several environmental investigations and remedial activities performed at the Site beginning in 1994 including impacted soil removals and remediation, UST and AST removals, groundwater monitoring, and solid waste removals (asbestos, polychlorinated biphenyl (PCB) light ballasts, drums of liquid chemicals, waste paints, oils sludges, contaminated wooden floor blocks, mercury containing equipment, and tires).

GZA concluded that:

- Environmental contamination and other potential environmental concerns remained on the Site; including impacts to groundwater, indoor air, soil, and solid waste.
- A significant volume of hazardous and non-hazardous solid waste material and other potential sources of contamination have been removed or remediated. However, analytical results of post remedial samples confirmed that contaminants of concern remained in the on-Site soil and groundwater at concentrations above applicable regulatory standards and criteria.
- If not remediated, on-Site contaminant may pose potential health risks to current or future Site users and there was the potential for future contaminant migration to off-site properties.
- Further remediation of soil and/or groundwater along with Site use restrictions would likely be required as part of a future Site-wide development plan.
- The source(s) of contamination to on-Site soil and groundwater had not yet been clearly identified and delineated.



- Prior to implementation of corrective measures, additional on-Site characterization of the hydrogeologic conditions and the nature and extent of contamination would be necessary.
- Such additional characterization will be impeded by the presence of the on-Site structures.

Subsequent to completion of the ECA, GZA completed a Phase I Environmental Site Assessment¹ at the Site for NorDel I. The Phase I identified the following recognized environmental conditions (RECs).

- The Site is a brownfield site, considered to be a potential anchor property within the City of Buffalo's proposed East Delavan-Grider Brownfield Opportunity Area (BOA). Additionally, the Site is listed as a Class 4 Inactive Hazardous Waste Site on the New York State Department of Environmental Conservation (NYSDEC) registry. Class 4 Sites are defined by NYSDEC as, "...a site that has been properly closed by that requires continued site management consisting of operation, maintenance and/or monitoring." NYSDEC continues, "Class 4 is appropriate for a site where remedial construction actions have been completed for all operable units, but the site has not necessarily been brought into compliance with standards, criteria, or guidance."

Environmental contamination and other potential environmental concerns remain on the Site; including impacts to groundwater, indoor air, soil, and solid waste. GZA recognizes that a significant volume of hazardous and non-hazardous solid waste material and other potential sources of contamination have been removed or remediated. However, analytical results of post remedial samples confirm that contaminants of concern remain in the on-Site soil and groundwater at concentrations above applicable regulatory standards and criteria. If not remediated, on-Site contaminants may pose potential health risks to current or future Site users and there is the potential for future contaminant migration to off-site properties.

- The area surrounding the subject Site has been historically used for industrial purposes for over 100 years. Potential releases from the surrounding area may have impacted the Site soil and/or groundwater.

It was GZA's opinion that a subsurface investigation to include soil, groundwater, and soil vapor sampling and analyses would be necessary to evaluate the presence or absence of contaminated materials in the environment associated with the identified Recognized Environmental Conditions. Remediation of soil and/or groundwater along with Site use restrictions would likely be required as part of a future Site-wide development plan. The source(s) of contamination to on-Site soil and groundwater has not yet been clearly identified and delineated. Prior to implementation of corrective measures, additional on-

¹ "Phase I Environmental Site Assessment, 537 East Delavan Avenue, Buffalo, New York" completed for NorDel I, LLC by GZA dated September 2014.

Site characterization of the hydrogeologic conditions and the nature and extent of contamination may be necessary. The presence of buildings over much of the Site will pose a challenge during additional characterization activities, limiting access to drilling rigs and other heavy equipment.



2.00 PURPOSE AND SCOPE OF WORK

The purpose of this Phase II ESA was to further assist NorDel I with due diligence efforts related to possible purchase of the property. At the direction of NorDel I, the focus of this Phase II was to assess overburden soils in “dark” areas of the Site where little or no environmental data has been previously collected.

To accomplish this, GZA developed a scope of work for the investigation to evaluate the Site based upon generally accepted engineering standard of care and practices. The following activities were completed as part of the Phase II:

- Observed the completion of 34 soil probes performed by GZA’s subcontractor, TREC Environmental Inc. (TREC) on October 15, 16, and 17, 2014.
- Collected subsurface soil samples continuously in 4-foot sample intervals from ground surface to refusal. Total probe depths ranged from 1.5 to 11 feet below ground surface (bgs). Soil samples were collected using a macro-core sampler at each probe location.
- Field screened soil samples recovered using an organic vapor meter (OVM) equipped with a photoionization detector (PID) with an 11.7 electron volt (eV) ultraviolet lamp.
- Selected 20 soil samples for chemical analysis, which included volatile organic compounds (VOCs) via EPA Method 8260B - Target Compound List (TCL), diesel range organics (DRO), and gasoline range organics (GRO) via EPA Method 8015.
- Summarized/tabularized/presented the results of concurrent NYSDEC sampling and analysis of existing accessible groundwater monitoring wells and building sumps. NYSDEC selected 15 groundwater and sump water samples for chemical analysis (VOCs via EPA Method 8260) and three sump sediment samples for VOCs via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270, polychlorinated biphenyls (PCBs) via EPA Method 8280, and metals via EPA Methods 6010/7471.
- Prepared this report, which summarizes the data collected during this Phase II ESA.

This report presents GZA’s field observations, results, and opinions and is subject to the limitations presented in Appendix A, and modifications if subsequent information is developed by GZA or any other party.

3.00 FIELD STUDIES

This section describes the field studies completed as part of GZA's subsurface investigation.



3.10 SOIL PROBE INSTALLATIONS

Thirty-four soil probes (seven exterior and 27 interior), designated as SP-1 through SP-34, were completed on-Site on October 15, 16, and 17, 2014 (see Figure 2).

The soil probes were completed in readily accessible areas using a Geoprobe® 54 LT track-mounted rig and a Geoprobe® 540DT truck-mounted rig. A 2-inch diameter by 48-inch long macro-core sampler was driven continuously at 48-inch intervals to retrieve the soil samples. Dedicated and disposable acetate sampler liners were used inside of the macro-core sampler between sample intervals. Representative portions of the recovered soils were placed in zip-lock bags for further classification and headspace analysis. Upon probe completion, the soil probes were backfilled with the soil cuttings.

At the direction of NorDel I, GZA prepared the scope of this Phase II ESA in consultation with BUDCs council as well as members of the NYSDEC Region 9 Division of Remediation. Specifically, soil probes were conducted in overburden soils in “dark” areas of the Site where little or no environmental data had been previously collected. The rationale for the soil probe locations is as follows (see Figure 2).

- Area 1 (SP-12 and SP-13) is located on the southwestern portion of the Site and was formerly occupied by Buffalo Powder Coatings. Soil probes were limited to the northern portion of this space due to the presence of a basement at the southern portion.
- Areas 2 and 3 (SP-1 through SP-11 and SP-31 through SP-34) consist of the western and central portions of the main Site building. Soil probes were not feasible on the westernmost and southern portions of the main Site building due to the presence of basements in these areas.
- Area 4 (SP-18 through SP-20 and SP-27 through SP-30) is located in and adjacent to the eastern portion of the Site building. One empty 3,000-gallon fuel oil aboveground storage tank (AST), a former degreaser storage area, and an associated sump are located in this portion of the Site building. Three 10,000-gallon diesel fuel underground storage tanks (USTs) and one 10,000-gallon degreaser UST were formerly located exterior and south of this eastern portion of the Site building. A historical Sanborn map dated 1986 indicated these USTs were 11,000-gallons and contained paint thinners. These USTs were reportedly removed from the Site in May 1986.
- Area 5 (SP-21 through SP-26) is located in the northeastern portion of the Site building. The current Site owner has used this space for the staging of miscellaneous debris including roofing materials, wood, cabinets, appliances, metal and tires.

- Area 6 (SP-16 and SP-17) is located on the exterior southeastern portion of the Site and provides general Site coverage.
- Area 7 (SP-14) and Area 8 (SP-15) are located on the exterior northern portions of the Site and provide general Site coverage.



GZA prepared soil probe logs summarizing the general subsurface conditions that were observed at each probe location. These logs provide a summary description of the soils based on visual observations of the recovered soil's color and composition. Soil probe logs are included as Appendix B. The thirty-four completed soil probes are summarized below.

Study Area	Soil Probe	Date Installed	Probe Depth (feet below ground surface)	Sample Depth (feet below ground surface)	PID Screening (location maximum, ppm)	Comments*
Area 1	SP-12	10/16/2014	6.8	NA	0	
	SP-13	10/16/2014	7.1	7	0	
Area 2	SP-1	10/15/2014	5.1	NA	0	
	SP-2	10/15/2014	4.6	NA	0	
	SP-3	10/15/2014	11.0	NA	0	
	SP-4	10/15/2014	8.4	8	2.0	BS/PO
	SP-5	10/15/2014	8.7	4	33.7	GS
	SP-6	10/15/2014	6.0	6	5.3	
	SP-7	10/15/2014	3.6	3	4.7	
	SP-8	10/15/2014	9.0	8	0.8	GS
Area 3	SP-9	10/15/2014	6.2	NA	0	No native soil encountered
	SP-10	10/15/2014	7.1	4	0.7	GS
	SP-11	10/15/2014	5.7	NA	1.6	SO
	SP-31	10/17/2014	4.8	1	1.7	
	SP-32	10/17/2014	2.0	2	0	
	SP-33	10/17/2014	2.4	NA	0	No native soil encountered
	SP-34	10/17/2014	2.0	2	1.5	
Area 4	SP-18	10/16/2014	4.1	NA	0	
	SP-19	10/16/2014	9.8	9	2.5	GS/PO Former location of USTs
	SP-20	10/16/2014	4	NA	0	
	SP-27	10/17/2014	4.7	2	4.6	Near sump in former degreaser still room
	SP-28	10/17/2014	4.7	2	31.5	Near suspect former drain near AST
	SP-29	10/17/2014	4.7	4	7.5	North of AST
	SP-30	10/17/2014	5.0	4	2.5	West of former degreaser still room
Area 5	SP-21	10/16/2014	6.0	NA	0	No native soil encountered
	SP-22	10/16/2014	1.5	NA	0	
	SP-23	10/16/2014	4.5	NA	0	
	SP-24	10/16/2014	3.5	3	185	BS/PO
	SP-25	10/16/2014	2.0	NA	0	



Study Area	Soil Probe	Date Installed	Probe Depth (feet below ground surface)	Sample Depth (feet below ground surface)	PID Screening (location maximum, ppm)	Comments*
	SP-26	10/16/2014	5.2	4	1.7	No native soil encountered
Area 6	SP-16	10/16/2014	6.1	6	0	
	SP-17	10/16/2014	5.5	NA	0	
Area 7	SP-14	10/16/2014	4.0	4	0	
Area 8	SP-15	10/16/2014	5.1	5	0	No native soil encountered

* BS – Black staining observed PO – Petroleum odor observed
GS – Gray staining observed SO – Septic odor observed

3.20 HEADSPACE SCREENING PROCEDURE

A representative portion of each two foot vertical section of soil sample was placed in a zip-lock bag to be headspace screened after the initial field screening after the acetate liner was opened. The headspace in the zip-lock bag of each collected soil sample was screened for total organic vapors using an OVM equipped with a PID with an 11.7 eV ultraviolet lamp. The OVM used was a MiniRae 3000 and was calibrated in accordance with manufacturer's recommendations. A gas standard of isobutylene at a concentration of 100 parts per million (ppm) was used for calibration. Ambient air at the Site was used to establish background organic vapor concentrations.

Total organic vapors were detected in the soil samples collected, at concentrations ranging from non-detect to 185 ppm (SP-24). Headspace results were recorded on the probe logs included in Appendix B.

3.30 GROUNDWATER, SUMP WATER, AND SUMP SEDIMENT COLLECTION

NYSDEC was on-Site on October 15 and 16, 2014 to collect groundwater samples from the existing and accessible groundwater wells. NYSDEC also collected water and sediment samples from four sumps and a flooded former transformer room located in the Site building. NYSDEC was observed to obtain the groundwater samples via hand bailers (groundwater wells) and dip-cup samplers (sump water and sediment). NYSDEC sampling locations are shown on Figure 3.

4.00 ANALYTICAL LABORATORY TESTING

Twenty subsurface soil samples were selected based on physical characteristics and headspace screening results and submitted for analytical testing. The selected samples were packed in an ice-filled cooler and sent via courier to Alpha Analytical, Inc. (Alpha) located in Westborough, Massachusetts. Typical chain-of-custody procedures were followed. Table 1 provides a summary of the analytical samples collected and the analyses completed.



NYSDEC selected 15 groundwater and sump water samples and three sump sediment samples and submitted them for analytical testing. The samples were placed in an ice-filled cooler and sent via courier to TestAmerica, Inc. Laboratory (TestAmerica) located in Amherst, New York. Typical chain-of-custody procedures were followed. Table 1 provides a summary of the analytical samples collected and the analyses completed.

5.00 SUBSURFACE CONDITIONS

5.10 SOILS

Exterior and interior surfaces generally consisted of asphalt and/or concrete material with thicknesses ranging from approximately 2 inches (several locations) to 12 inches (SP-25). Fill soils were observed below the asphalt and/or concrete materials at soil probe locations SP-4 through SP-11, SP-19, SP-21, SP-26 through SP-31, SP-33, and SP-34. Fill soils were also encountered at exterior location SP-15, which was overlain by topsoil. Fill soils generally consisted of fine to coarse-grained sand with varying lesser amounts of gravel, brick fragments, glass, and slag.

Gray fine to coarse gravel with fine to coarse sand (crusher-run limestone) backfill was observed at SP-19 to a depth of 8.5 feet bgs. Three 10,000-gallon diesel fuel USTs and one 10,000-gallon degreaser UST were reportedly formerly located in this area (removed May 1986). The presence of backfill materials at this probe location supports reports of these USTs being removed.

Native silty clay soil was observed below fill materials at the majority of soil probe locations. Depth to native soils ranged from 4-inches bgs (SP-6 and SP-7) to 5.1 feet bgs (SP-15). Native soils were not encountered at probes SP-9, SP-15, SP-21, SP-26, and SP-33. Geoprobe® macro-core refusal (presumed top of bedrock) was encountered at all 34 probe locations with depths ranging from 1.5 feet (SP-22) to 11 feet (SP-3) bgs.

5.20 GROUNDWATER

Saturated soil conditions were not encountered at any of the 34 soil probe locations.

NYSDEC conducted groundwater sampling of the following existing accessible/locatable groundwater monitoring wells: MW 1-10, MW 2-10, MW 3-10, MW 4-10, MW 5-10, MW 7-03, MW 11-03, MW 14-03, MW-1, MW-2, MW-7, and MW-8 (See Figure 3).

6.00 ANALYTICAL TEST RESULTS

Findings of the laboratory testing of the soil samples analyzed are presented below. The analytical laboratory report is provided in Appendix C. The analytical results for the soil samples are summarized on Table 2. The analytical results for the NYSDEC groundwater

and sump water samples are summarized on Table 3. The analytical results for the NYSDEC sump sediment samples are summarized on Table 4.

The analytical test results for the subsurface soil samples were compared to:



- NYSDEC Part 375 Unrestricted and Restricted Use Soil Cleanup Objectives; and
- NYSDEC Final Commissioner's Policy, CP-51, Supplemental Soil Cleanup Objectives (SSCOs) dated October 21, 2010 (NYSDEC CP-51 SCGs).

The Unrestricted Soil Cleanup Objectives (USCOs) represent concentrations of contaminants in soil that require no use restrictions for the protection of public health, groundwater and ecological resources. These are considered to be "pre-release" conditions by NYSDEC.

The Restricted Use Soil Cleanup Objectives are applicable for the protection of public health in residential, commercial, and industrial scenarios where contamination has been identified in soil above the USCOs. The Commercial Soil Cleanup Objectives (CSCO) and Industrial Soil Cleanup Objectives (ISCO) were considered when evaluating the soil analytical results from the Site; however, analytical results did not exceed the Residential Soil Cleanup Objectives (RSCO).

NYSDEC issued the CP-51/Soil Cleanup Guidance document in October 2010, which replaced the former Technical Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Level, dated January 1994. The CP-51/Soil Cleanup Guidance document applies to each of the remedial programs administered by NYSDEC's Division of Environmental Remediation, which includes the Spill Response Program. CP-51 supplements the regulatory soil cleanup objectives (SCO) for those compounds for which Recommended Soil Cleanup Objectives had been established under TAGM, but were excluded from NYSDEC Part 375 regulations.

The sump sediment sampled and analyzed by NYSDEC do not have applicable regulatory guidelines, as they are not soil and they are not sediment from a natural environment (i.e. sediment from a surficial water body). For reference and comparative purposes the NYSDEC derived sump sediment samples were compared to the NYSDEC Part 375 Unrestricted and Restricted Use Soil Cleanup Objectives; and NYSDEC Final Commissioner's Policy, CP-51, Supplemental Soil Cleanup Objectives (SSCOs) dated October 21, 2010 (NYSDEC CP-51 SCGs). However, GZA notes that these SCOs do not apply to sump sediment samples.

The analytical test results for the NYSDEC derived groundwater samples were compared to:

- NYSDEC Groundwater criteria presented in the Division of Water Technical and Operational Guidance Series (TOGS 1.1.), dated October 1993, revised June 1998, errata January 1999 and amended April 2000 (Class GA).

6.10 SOIL



Twenty subsurface soil samples were selected and submitted for analytical testing by GZA. In general, no new suspect sources of contamination and no free product were identified in the overburden soils. VOCs were detected in all 20 samples submitted for analytical testing. Some concentrations exceeded the USCOs; however, no concentrations exceeded the RSCOs. Diesel Range Organics (DROs), expressed as total petroleum hydrocarbons (TPHs) were detected in all of the samples submitted for analysis, at concentrations ranging from 5,630 parts per billion (ppb) (SP-14) to 7,910,000 ppb (SP-24). Gasoline Range Organics (GROs) were detected in 10 of the 20 soil samples submitted for analysis, at concentrations ranging from 2,000 ppb (SP-34) to 420,000 ppb (SP-24). DROs and GROs are total concentrations of petroleum compounds and do not have applicable regulatory criteria. An analytical summary by area of investigation is provided below.

Area 1

One soil sample (SP-13) was submitted for analysis from Area 1. One VOC, acetone, was detected above method detection limits (MDLs), but below its respective USCO. DROs were detected at 11,800 ppb (estimated concentration).

Area 2

Five soil samples (SP-4 through SP-8) were submitted for analysis from Area 2. Eleven VOCs were detected above MDLs. Two VOCs, acetone (at SP-4 and SP-5) and vinyl chloride (at SP-5), were detected at concentrations exceeding their respective USCOs but below their RSCOs. Chlorinated solvents, their associated daughter break-down compounds, and petroleum compounds were detected above MDLs but below their respective USCOs in the remaining soil samples submitted for analysis from Area 2.

Area 3

Four soil samples (SP-10, SP-31, SP-32, and SP-34) were submitted for analysis from Area 3. Thirteen VOCs were detected above MDLs. Two VOCs, acetone (at SP-10) and trichloroethene (TCE) (at SP-31), were detected at concentrations exceeding their respective USCOs but below their RSCOs. Chlorinated solvents, their associated daughter break-down compounds, and petroleum compounds were detected above MDLs but below their respective USCOs in the remaining soil samples submitted for analysis from Area 3.

Area 4

Area 4 is located in and adjacent to the eastern portion of the Site building. Five soil samples (SP-19 and SP-27 through SP-30) were submitted for analysis from Area 4. Eleven VOCs were detected above MDLs. Two VOCs, acetone (at SP-19) and TCE (at SP-28), were detected at concentrations exceeding their respective USCOs but below their RSCOs. Chlorinated solvents, their associated daughter break-down compounds, and petroleum compounds were detected above MDLs but below their respective USCOs in the remaining soil samples submitted for analysis from Area 4. One empty 3,000-gallon

fuel oil AST, a former degreaser storage area, and an associated sump are located in this portion of the Site building. Three 10,000-gallon diesel fuel USTs and one 10,000-gallon degreaser UST were formerly located exterior and south of this eastern portion of the Site building. These soil probes have further delineated and defined this area of known impact.



Area 5

Two soil samples (SP-24 and SP-26) were submitted for analysis from Area 5. Eleven VOCs were detected above MDLs. One VOC, acetone (at SP-24) was detected at concentrations exceeding its respective USCOs but below its RSCOs. Chlorinated solvents, their associated daughter break-down compounds, and petroleum compounds were detected above MDLs but below their respective USCOs in the remaining soil samples submitted for analysis from Area 5.

Areas 6, 7, and 8

Three soil samples were submitted for analysis from Area 6 (SP-16), Area 7 (SP-14), and Area 8 (SP-15). Two VOCs were detected above MDLs. One VOC, acetone (at SP-14) was detected at concentrations exceeding its respective USCO but below its RSCO. These soil probes were conducted on the perimeter exterior portions of the Site for general coverage. No evidence of significant impact was observed at these three locations.

6.20 GROUNDWATER AND SUMP WATER

Groundwater

Twelve groundwater samples were collected and submitted for analytical testing by NYSDEC. Table 1 provides a summary of analytical tests performed on these 12 groundwater samples. Volatile organic compounds were detected in 10 of the 12 groundwater samples submitted for VOC analytical testing. Two groundwater samples (MW-1 and MW-8) had no VOCs detected. Several groundwater samples (MW 1-10, MW 2-10, MW 3-10, MW 4-10, MW-7-03) had VOC concentrations slightly below to slightly exceeding their respective groundwater criteria. The remaining samples had significantly elevated VOC concentrations as discussed below.

- MW 5-10 – Twelve VOCs were detected above method detection limits; eight of which exceeded their groundwater criteria as follows.

VOC	NYSDEC Groundwater Criteria (ug/L)	Detected Concentration (ug/L)
1,1,1-Trichloroethane	5	14,000
1,1,2-Trichloroethane	1	4.7
1,1-Dichloroethene	5	230
1,1-Dichloroethane	5	2,100
1,2-Dichloroethane	0.6	3.7
cis-1,2-Dichloroethene	5	69



VOC	NYSDEC Groundwater Criteria (ug/L)	Detected Concentration (ug/L)
Trichloroethene	5	40
Vinyl Chloride	2	2.1

- MW 11-03 – Eight VOCs were detected above method detection limits; four of which exceeded their groundwater criteria as follows.

VOC	NYSDEC Groundwater Criteria (ug/L)	Detected Concentration (ug/L)
1,1,1-Trichloroethane	5	15
1,1-Dichloroethane	5	78
Benzene	1	14
Chloroethane	5	150

- MW 14-03 – Two VOCs were detected above method detection limits; both of which exceeded their groundwater criteria as follows.

VOC	NYSDEC Groundwater Criteria (ug/L)	Detected Concentration (ug/L)
1,1-Dichloroethane	5	9.5
cis-1,2-Dichloroethene	5	26

- MW-2 – Five VOCs were detected above method detection limits; all of which exceeded their groundwater criteria as follows.

VOC	NYSDEC Groundwater Criteria (ug/L)	Detected Concentration (ug/L)
1,2-Dichloroethane	0.6	6.5
Chloroethane	5	22
cis-1,2-Dichloroethene	5	12
Trichloroethene	5	6.4
Vinyl Chloride	2	3.6

- MW-7 – Eight VOCs were detected above method detection limits; seven of which exceeded their groundwater criteria as follows.

VOC	NYSDEC Groundwater Criteria (ug/L)	Detected Concentration (ug/L)
1,1,1-Trichloroethane	5	1,300
1,1-Dichloroethene	5	13
1,1-Dichloroethane	5	230
Benzene	1	3.4
Chloroethane	5	18
cis-1,2-Dichloroethene	5	9.6

VOC	NYSDEC Groundwater Criteria (ug/L)	Detected Concentration (ug/L)
Trichloroethene	5	14

Sump Water



Three sump water samples were collected and submitted for analytical testing by NYSDEC. Table 1 provides a summary of analytical tests performed on these three sump water samples. It is unknown if the sumps are contained or open to the Site soil and/or groundwater. Volatile organic compound analytical results for the sump water samples Degreaser Sump and Deep Sump were below method detection limits. Sump water Transformer Room was not analyzed for VOCs. Analytical sample results for the Degreaser Sump, Deep Sump, and Transformer Room were below method detection limits for PCBs.

6.30 SUMP SEDIMENT

Three sump sediment samples were collected and submitted for analytical testing by NYSDEC. Sample locations are shown on Figure 3. The sump sediments sampled and analyzed by NYSDEC do not have applicable regulatory guidelines, as they are not soil and they are not sediment from a natural environment (i.e. sediment from a surficial water body). For reference and comparative purposes the NYSDEC derived sump sediment samples were compared to the NYSDEC SCOs; however, GZA notes that these SCOs do not have regulatory significance for these sump sediment samples.

Volatile Organic Compounds

Methylene chloride was detected in the three sump sediment samples submitted for analysis (Degreaser Sump, Southwest Sump, West Sump) at concentrations ranging from 510 ppb to 1,700 ppb. These exceed methylene chloride's USCO of 50 ppb but are below its RSCO of 51,000 ppb. This compound was also detected in the blank sample and is often attributed to laboratory contamination when present at low concentrations.

Cis-1,2-dichloroethene was detected at Southwest Sump at 390 ppb, which exceeds its USCO of 250 ppb but is below its RSCO of 10,000 ppb. Trichloroethene was detected at Southwest Sump at 320 ppb, which is below its USCO of 470 ppb.

Semi-Volatile Organic Compounds

- Degreaser Sump – SVOCs were not detected above method detection limits.
- Southwest Sump – ten SVOCs (mostly polycyclic aromatic hydrocarbons (PAHs)) were detected above method detection limits; three of which exceeded their respective RSCOs, one which exceeded its respective CSCO, and five of which exceeded their respective ISCOs. See Table 4 for compound listings, concentrations, and comparison criteria.



- West Sump – ten SVOCs (mostly PAHs) were detected above method detection limits; three of which exceeded their respective RSCOs, one which exceeded its respective CSCO, and four of which exceeded their respective ISCOs. See Table 4 for compound listings, concentrations, and comparison criteria.

Polychlorinated Biphenyls

- Southwest Sump – Two PCBs were detected above method detection limits: PCB-1254 (12 ppm) and PCB-1262 (7.1 ppm). This total concentration (19.1 ppm) is below its USCO of 100 ppm total PCBs.
- Degreaser Sump and West Sump – PCBs were not detected above method detection limits.

Metals

Twenty-two metals were detected above method detection limits in the three sump sediment samples analyzed. Several concentrations exceeded their respective USCOs, RSCOs, CSCOs, and ISCOs. See Table 4 for analyte listings, concentrations, and comparison criteria.

7.00 CONCLUSIONS AND RECOMMENDATIONS

GZA performed a Phase II Environmental Site Assessment (Phase II ESA) at 537 East Delavan Avenue in Buffalo, New York to assess overburden soils in “dark” areas of the Site where little or no environmental data had been previously collected.

The scope of work included completion of 34 soil probes, headspace screening of soil samples taken from a macro-core sampler at the soil probe locations, and the collection and analysis of 20 subsurface soil samples. GZA also summarized the concurrent NYSDEC groundwater, sump water, and sump sediment analytical results in context of the scope of work.

A summary of findings and opinions based upon the work conducted as part of this study follows.

- Exterior and interior surfaces generally consisted of asphalt and/or concrete material with thicknesses ranging from approximately 2 inches (several locations) to 12 inches (SP-25). Fill soils were observed below the asphalt and/or concrete materials at soil probe locations SP-4 through SP-11, SP-19, SP-21, SP-26 through SP-31, SP-33, and SP-34. Fill soils were also encountered at exterior location SP-15, which was overlain by topsoil. Fill soils generally consisted of fine to coarse-grained sand with varying lesser amounts of gravel, brick fragments, glass, and slag.



Gray fine to coarse gravel with fine to coarse sand (crusher-run limestone) backfill was observed at SP-19 to a depth of 8.5 feet bgs. Records indicate that three 10,000-gallon diesel fuel USTs and one 10,000-gallon degreaser UST were formerly located in this area (removed May 1986) which is consistent with the backfill encountered.

Native silty clay soil was observed at the majority of soil probes below the sandy fill material at depths ranging from approximately 4-inches bgs (SP-6 and SP-7) to 5.1 feet bgs (SP-15). Native soils were not encountered at SP-9, SP-15, SP-21, SP-26, and SP-33 which ranged in depth from 2.4 to 6.2 feet below ground surface. At these locations exclusively soil/fill material was encountered above the bedrock. Geoprobe® macro-core refusal (presumed top of bedrock) was encountered at all 34 probe locations at depths ranging from 1.5 feet (SP-22) to 11 feet (SP-3) bgs.

- Apparent saturated soil conditions were not encountered at the 34 completed soil probes.
- Twenty subsurface soil samples were selected and submitted for analytical testing by GZA. In general, no new sources of the contamination were encountered in the overburden soils. VOCs were detected in all 20 samples submitted for analytical testing. Concentrations of certain contaminants exceeded the USCOs; however, no concentrations exceeded the RSCOs. Diesel range organics (DROs), expressed as total petroleum hydrocarbons (TPHs) were detected in all of the samples submitted for analysis, at concentrations ranging from 5,630 parts per billion (ppb) (SP-14) to 7,910,000 ppb (SP-24). Gasoline range organics (GROs) were detected in 10 of the 20 soil samples submitted for analysis, at concentrations ranging from 2,000 ppb (SP-34) to 420,000 ppb (SP-24). DROs and GROs are total concentrations of petroleum compounds and do not have applicable regulatory criteria.
- Twelve groundwater samples were selected and submitted for analytical testing by NYSDEC. VOCs were detected in 10 of the 12 samples submitted for VOC analytical testing. Several samples had VOC concentrations ranging from slightly below to slightly exceeding their respective groundwater criteria. The remaining samples had VOC concentrations significantly exceeding their respective groundwater criteria.

GZA compared the NYSDEC derived groundwater analytical data from this sampling event to available most recent historical groundwater analytical data from 2006, 2009, and 2010. GZA notes that not all Site wells were accessible and/or locatable by NYSDEC during the 2014 sampling event. Comparative analysis reveals that measured concentrations of detected compounds and concentrations during the 2014 sampling event were either consistent with or less than the most recent previous sampling events; with exception of wells MW 5-10 and MW-7. Total VOC concentrations, consisting mostly of chlorinated solvents and their associated breakdown products, were significantly greater in the samples collected in 2014 at these locations from the most recent historical sampling events as shown below.

Total VOC Concentrations at MW 5-10

July 2010	December 2010	October 2014
6,036.5 ug/L	8,067.5 ug/L	16,456.1 ug/L



Total VOC Concentrations at MW-7

October 1994	1997-2002	October 2003	April 2006	June 2009	October 2014
0 ug/L	0 ug/L	Not sampled	5.89 ug/L	11.5 ug/L	1,589.24 ug/L

Note that well MW-7 is located near the Site perimeter; reportedly in the downgradient groundwater flow direction of the Site.

Copies of the historical groundwater analytical data prepared by others are included in Appendix D.

- Three sump sediment samples were selected and submitted for analytical testing by NYSDEC. It is unknown if the sumps are contained or open to the Site soil and/or groundwater. For reference and comparative purposes only, the NYSDEC derived sump sediment samples were compared to the NYSDEC SCOs. Volatile organic compound, SVOC, and metals are present in the analyzed sump sediment samples exceeding USCOs, RSCOs, CSCOs, and ISCOs.
- Volatile organic compound concentrations at the westernmost well (MW-8) were below method detection limits. Volatile organic compound concentrations at MW-7, (located on the southwestern portion of the Site) have increased as summarized above.

TABLES

Table 1
Analytical Sample Summary
537 East Delavan Avenue
Buffalo, New York

Location	Date Collected	Depth/ Interval (ft bgs)	VOCs EPA Method 8260-TCL	Diesel Range Organics EPA Method 8015	Gasoline Range Organics EPA Method 8015	SVOCs EPA Method 8270	Metals EPA Method 7000/6010	PCBs EPA Method 8082
SOIL SAMPLES								
SP-4	10/15/2014	8	X	X	X			
SP-5	10/15/2014	4	X	X	X			
SP-6	10/15/2014	6	X	X	X			
SP-7	10/15/2014	3	X	X	X			
SP-8	10/15/2014	8	X	X	X			
SP-10	10/15/2014	4	X	X	X			
SP-13	10/16/2014	7	X	X	X			
SP-14	10/16/2014	4	X	X	X			
SP-15	10/16/2014	5	X	X	X			
SP-16	10/16/2014	6	X	X	X			
SP-19	10/16/2014	9	X	X	X			
SP-24	10/16/2014	3	X	X	X			
SP-26	10/16/2014	4	X	X	X			
SP-27	10/17/2014	2	X	X	X			
SP-28	10/17/2014	2	X	X	X			
SP-29	10/17/2014	4	X	X	X			
SP-30	10/17/2014	4	X	X	X			
SP-31	10/17/2014	1	X	X	X			
SP-32	10/17/2014	2	X	X	X			
SP-34	10/17/2014	2	X	X	X			
GROUNDWATER SAMPLES (See Note 7)								
MW 1-10	10/15/2014	NA	X					
MW 2-10	10/15/2014	NA	X					
MW 3-10	10/15/2014	NA	X					
MW 4-10	10/15/2014	NA	X					
MW 5-10	10/15/2014	NA	X					
MW 7-03	10/15/2014	NA	X					
MW 11-03	10/15/2014	NA	X					
MW 14-03	10/15/2014	NA	X					
MW-1	10/16/2014	NA	X					
MW-2	10/16/2014	NA	X					
MW-7	10/16/2014	NA	X					
MW-8	10/16/2014	NA	X					
Degreaser Sump	10/16/2014	NA	X					X
Deep Sump	10/16/2014	NA	X					X
Transformer Room	10/16/2014	NA						X
SEDIMENT SAMPLES (See Note 7)								
Degreaser Sump	10/16/2014	NA	X			X	X	X
Southwest Sump	10/16/2014	NA	X			X	X	X
West Sump	10/16/2014	NA	X			X	X	X
Notes: 1. ft bgs = feet below ground surface. 2. VOCs = Volatile Organic Compounds. 3. SVOCs = Semi-Volatile Organic Compounds. 4. PCBs = Polychlorinated biphenyls 5. TCL = Target Compound List. 6. EPA - Environmental Protection Agency. 7. Groundwater and sediment samples collected by the New York State Department of Environmental Conservation.								

Table 2

Soil Analytical Testing Results Summary
537 East Delavan Avenue
Buffalo, New York

Investigation Area:			Area 1	Area 2					Area 3			
Parameter	Part 375 - Unrestricted Use SCOs	Part 375 - Residential Use SCOs	SP-13 7 feet bgs	SP-4 8 feet bgs	SP-5 4 feet bgs	SP-6 6 feet bgs	SP-7 3 feet bgs	SP-8 8 feet bgs	SP-10 4 feet bgs	SP-31 1 feet bgs	SP-32 2 feet bgs	SP-34 2 feet bgs
Volatile Organic Compounds - EPA Method 8260 TCL (ug/Kg)												
Tetrachloroethene	1,300	5,500	<	<	<	<	<	<	<	<	<	2.5 J
1,1,1-Trichloroethane	680	100,000	<	<	<	<	<	<	<	250	<	<
Toluene	700	100,000	<	<	<	0.43 J	7.6	<	<	25 J	0.31 J	<
Ethylbenzene	1,000	30,000	<	<	<	<	0.37 J	<	<	17 J	0.28 J	<
Vinyl chloride	20	210	<	<	24	<	<	0.29 J	<	<	<	<
trans-1,2-Dichloroethene	190	100,000	<	<	6	<	0.32 J	<	<	<	<	<
Trichloroethene	470	10,000	<	<	<	8	7.7	1.3	<	2,000	<	94
p/m-Xylene	See Xylene Mixed	See Xylene Mixed	<	<	<	<	1.7 J	<	<	79 J	1.2 J	<
o-Xylene	See Xylene Mixed	See Xylene Mixed	<	<	<	<	0.96 J	<	<	26 J	<	<
Xylene, mixed	260	100,000	<	<	<	<	2.66	<	<	105	1.2	<
cis-1,2-Dichloroethene	250	500,000	<	1.6 J	160	1 J	24	6.9	<	44 J	<	<
Acetone	50	500,000	25	120	92	6.6 J	4.9 J	18	160	<	5.1 J	12 J
2-Butanone	120	500,000	<	<	12 J	<	<	<	25	<	<	<
Isopropylbenzene	NV	NV	<	<	<	<	<	<	<	<	<	<
Cyclohexane	NV	NV	<	<	<	<	<	<	<	27 J	<	<
Methyl cyclohexane	NV	NV	<	<	<	<	<	<	<	130 J	<	1.1 J
Total VOCs			25	121.6	294	16.03	47.55	26.49	185	2,598	6.89	109.6
Diesel Range Organics - EPA Method 8015 (ug/Kg)												
TPH	NV	NV	11,800 J	4,500,000	210,000	27,200 J	213,000	260,000	431,000	64,800	18,000 J	219,000
Gasoline Range Organics - EPA Method 8015 (ug/Kg)												
Gasoline Range Organics	NV	NV	<	4,800	2,300 J	<	<	9,300	2,400 J	4,900	<	2,000 J

- Notes:
- Compounds detected in one or more samples are presented on this table. Refer to Appendix C for list of all compounds included in analysis.
 - Analytical testing completed by Alpha Analytical Inc., in Westborough, MA.
 - ug/kg = part per billion, mg/kg = part per million.
 - NV = no value.
 - Italics* indicates value exceeds Unrestricted Use Soil Cleanup Objectives.
 - Bold** indicates value exceeds Residential Soil Cleanup Objectives.
 - Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Residential and Commercial Soil Cleanup Objectives.
 - < indicates compound not detected above method detection limits.
 - TPH = Total Petroleum Hydrocarbons.

Table 2

Soil Analytical Testing Results Summary
537 East Delavan Avenue
Buffalo, New York

Investigation Area:			Area 4					Area 5		Area 6	Area 7	Area 8
Parameter	Part 375 - Unrestricted Use SCOs	Part 375 - Residential Use SCOs	SP-19 9 feet bgs	SP-27 2 feet bgs	SP-28 2 feet bgs	SP-29 4 feet bgs	SP-30 4 feet bgs	SP-24 3 feet bgs	SP-26 4 feet bgs	SP-16 6 feet bgs	SP-14 4 feet bgs	SP-15 5 feet bgs
Volatile Organic Compounds - EPA Method 8260 TCL (ug/Kg)												
Tetrachloroethene	1,300	5,500	<	<	<	<	<	<	<	<	<	<
1,1,1-Trichloroethane	680	100,000	<	0.37 J	340	<	<	<	1.7 J	<	<	<
Toluene	700	100,000	<	<	31 J	0.24 J	<	<	0.77 J	<	<	<
Ethylbenzene	1,000	30,000	67	<	23 J	0.24 J	<	<	<	<	<	<
Vinyl chloride	20	210	<	<	<	<	<	<	<	<	<	<
trans-1,2-Dichloroethene	190	100,000	<	<	<	<	<	<	<	<	<	<
Trichloroethene	470	10,000	<	36	1,200	<	38	<	33	<	<	<
p/m-Xylene	See Xylene Mixed	See Xylene Mixed	120	<	96 J	1.2 J	<	130 J	1.1 J	<	<	<
o-Xylene	See Xylene Mixed	See Xylene Mixed	59 J	<	34 J	<	<	<	0.92 J	<	<	<
Xylene, mixed	260	100,000	179	<	130	1.2	<	130	2.02	<	<	<
cis-1,2-Dichloroethene	250	500,000	<	0.75 J	<	<	0.47 J	<	1.6 J	<	<	<
Acetone	50	500,000	480 J	<	<	2.7 J	<	670 J	76	11	80	5.1 J
2-Butanone	120	500,000	<	<	<	<	<	<	6.1 J	<	14	<
Isopropylbenzene	NV	NV	20 J	<	<	<	<	670	<	<	<	<
Cyclohexane	NV	NV	<	<	<	<	<	<	<	<	<	<
Methyl cyclohexane	NV	NV	38 J	0.48 J	<	<	<	160 J	1.5 J	<	<	<
Total VOCs			784	37.6	1,724	4.38	38.47	1,630	122.69	11	94	5
Diesel Range Organics - EPA Method 8015 (ug/Kg)												
TPH	NV	NV	1,020,000	28,700 J	42,600	29,600 J	34,700 J	7,910,000	5,560,000	37,900	5,630 J	129,000
Gasoline Range Organics - EPA Method 8015 (ug/Kg)												
Gasoline Range Organics	NV	NV	56,000	<	2,900	<	<	420,000	5,100	<	<	<

- Notes:
- Compounds detected in one or more samples are presented on this table. Refer to Appendix C for list of all compounds included in analysis.
 - Analytical testing completed by Alpha Analytical Inc., in Westborough, MA.
 - ug/kg = part per billion, mg/kg = part per million.
 - NV = no value.
 - Italics* indicates value exceeds Unrestricted Use Soil Cleanup Objectives.
 - Bold** indicates value exceeds Residential Soil Cleanup Objectives.
 - Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Residential and Commercial Soil Cleanup Objectives.
 - < indicates compound not detected above method detection limits.
 - TPH = Total Petroleum Hydrocarbons.

Table 3

NYSDEC Groundwater and Sump Water Analytical Testing Results Summary
537 East Delavan Avenue
Buffalo, New York

Parameter	NYSDEC Class GA Criteria	MW 1-10	MW 2-10	MW 3-10	MW 4-10	MW 5-10
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)						
1,1,1-Trichloroethane	5	2.8 H	3.9 H	<	3.8 H	14,000 DL H ^
1,1,2-Trichloroethane	1	<	<	<	<	4.7 H
1,1-Dichloroethene	5	<	<	<	<	230 DL H
1,1-Dichloroethane	5	0.73 J H	0.79 J H	6.6 H	<	2,100 DL H
1,2-Dichloroethane	0.6	<	<	<	<	3.7 H
Benzene	1	1.7 H	<	<	<	0.41 J H
Chloroethane	5	<	<	<	<	0.92 J H
Chloroform	7	2.7 H	1.5 H	<	<	2.3 H
cis-1,2-Dichloroethene	5	0.98 J H	<	<	<	69 H
trans-1,2-Dichloroethene	5	<	<	<	<	3 H
Trichloroethene	5	3.8 H	2.6 H	<	6.9 H	40 H
Vinyl Chloride	2	<	<	<	<	2.1 H
Cyclohexane	NV	0.71 J H	<	<	<	<
Methylcyclohexane	NV	<	<	<	<	<
Methylene Chloride	5	<	<	<	<	<
Total VOCs	NV	13.42	8.79	6.6	10.7	16,456.1
PCBs - EPA Method 8082 (ug/L)						
Aroclor 1254	-	NT	NT	NT	NT	NT
Aroclor 1262	-	NT	NT	NT	NT	NT
Total PCBs	0.09					

Notes:

- Compounds detected in one or more samples are presented on this table. Refer to Appendix C for list of all compounds included in analysis.
- Analytical testing completed by TestAmerica Laboratories in Amherst, New York.
- New York State Department of Environmental Conservation Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) dated October 1993, revised June 1998, January 1999 errata sheet and April 2000 addendum.
- B = Compound was detected in the method blank. H = sample was analyzed beyond the specified holding time. J = estimated concentration. ^ = Instrument related quality control exceeded the control limits. DL = indicates a dilution, re-analysis, re-extraction, or additional metals/anions analysis of the sample.
- ug/L = part per billion (ppb).
- Shading indicates values exceeding NYSDEC Class GA groundwater criteria.
- < indicates compound not detected above method detection limits. NT = Not tested. NV = No value.

Table 3

NYSDEC Groundwater and Sump Water Analytical Testing Results Summary
537 East Delavan Avenue
Buffalo, New York

Parameter	NYSDEC Class GA Criteria	MW 7-03	MW 11-03	MW 14-03	MW-1	MW-2
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)						
1,1,1-Trichloroethane	5	11 H	15 H	<	<	<
1,1,2-Trichloroethane	1	<	<	<	<	<
1,1-Dichloroethene	5	<	<	<	<	<
1,1-Dichloroethane	5	2.8 H	78 H	9.5 J H	<	<
1,2-Dichloroethane	0.6	<	<	<	<	6.5
Benzene	1	<	14 H	<	<	<
Chloroethane	5	<	150 H	<	<	22
Chloroform	7	<	<	<	<	<
cis-1,2-Dichloroethene	5	6.1 H	<	26 H	<	12
trans-1,2-Dichloroethene	5	<	<	<	<	<
Trichloroethene	5	8.7 H	2.5 J H	<	<	6.4
Vinyl Chloride	2	<	<	<	<	3.6
Cyclohexane	NV	<	9.2 H	<	<	<
Methylcyclohexane	NV	<	2.2 J H	<	<	<
Methylene Chloride	5	<	3.1 J H	<	<	<
Total VOCs	NV	28.6	274	35.5		50.5
PCBs - EPA Method 8082 (ug/L)						
Aroclor 1254	-	NT	NT	NT	NT	NT
Aroclor 1262	-	NT	NT	NT	NT	NT
Total PCBs	0.09					

Notes:

- Compounds detected in one or more samples are presented on this table. Refer to Appendix C for list of all compounds included in analysis.
- Analytical testing completed by TestAmerica Laboratories in Amherst, New York.
- New York State Department of Environmental Conservation Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) dated October 1993, revised June 1998, January 1999 errata sheet and April 2000 addendum.
- B = Compound was detected in the method blank. H = sample was analyzed beyond the specified holding time. J = estimated concentration. ^ = Instrument related quality control exceeded the control limits. DL = indicates a dilution, re-analysis, re-extraction, or additional metals/anions analysis of the sample.
- ug/L = part per billion (ppb).
- Shading indicates values exceeding NYSDEC Class GA groundwater criteria.
- < indicates compound not detected above method detection limits. NT = Not tested. NV = No value.

Table 3

NYSDEC Groundwater and Sump Water Analytical Testing Results Summary
537 East Delavan Avenue
Buffalo, New York

Parameter	NYSDEC Class GA Criteria	MW-7	MW-8	Degreaser Sump	Deep Sump	Transformer Room
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)						
1,1,1-Trichloroethane	5	1300 DL	<	<	<	NT
1,1,2-Trichloroethane	1	<	<	<	<	NT
1,1-Dichloroethene	5	13	<	<	<	NT
1,1-Dichloroethane	5	230 DL	<	<	<	NT
1,2-Dichloroethane	0.6	<	<	<	<	NT
Benzene	1	3.4	<	<	<	NT
Chloroethane	5	18	<	<	<	NT
Chloroform	7	<	<	<	<	NT
cis-1,2-Dichloroethene	5	9.6	<	<	<	NT
trans-1,2-Dichloroethene	5	<	<	<	<	NT
Trichloroethene	5	14	<	<	<	NT
Vinyl Chloride	2	<	<	<	<	NT
Cyclohexane	NV	<	<	<	<	NT
Methylcyclohexane	NV	0.24 J	<	<	<	NT
Methylene Chloride	5	<	<	<	<	NT
Total VOCs	NV	1,589.24				
PCBs - EPA Method 8082 (ug/L)						
Aroclor 1254	-	NT	NT	<	<	<
Aroclor 1262	-	NT	NT	<	<	<
Total PCBs	0.09					

Notes:

- Compounds detected in one or more samples are presented on this table. Refer to Appendix C for list of all compounds included in analysis.
- Analytical testing completed by TestAmerica Laboratories in Amherst, New York.
- New York State Department of Environmental Conservation Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) dated October 1993, revised June 1998, January 1999 errata sheet and April 2000 addendum.
- B = Compound was detected in the method blank. H = sample was analyzed beyond the specified holding time. J = estimated concentration. ^ = Instrument related quality control exceeded the control limits. DL = indicates a dilution, re-analysis, re-extraction, or additional metals/anions analysis of the sample.
- ug/L = part per billion (ppb).
- Shading indicates values exceeding NYSDEC Class GA groundwater criteria.
- < indicates compound not detected above method detection limits. NT = Not tested. NV = No value.

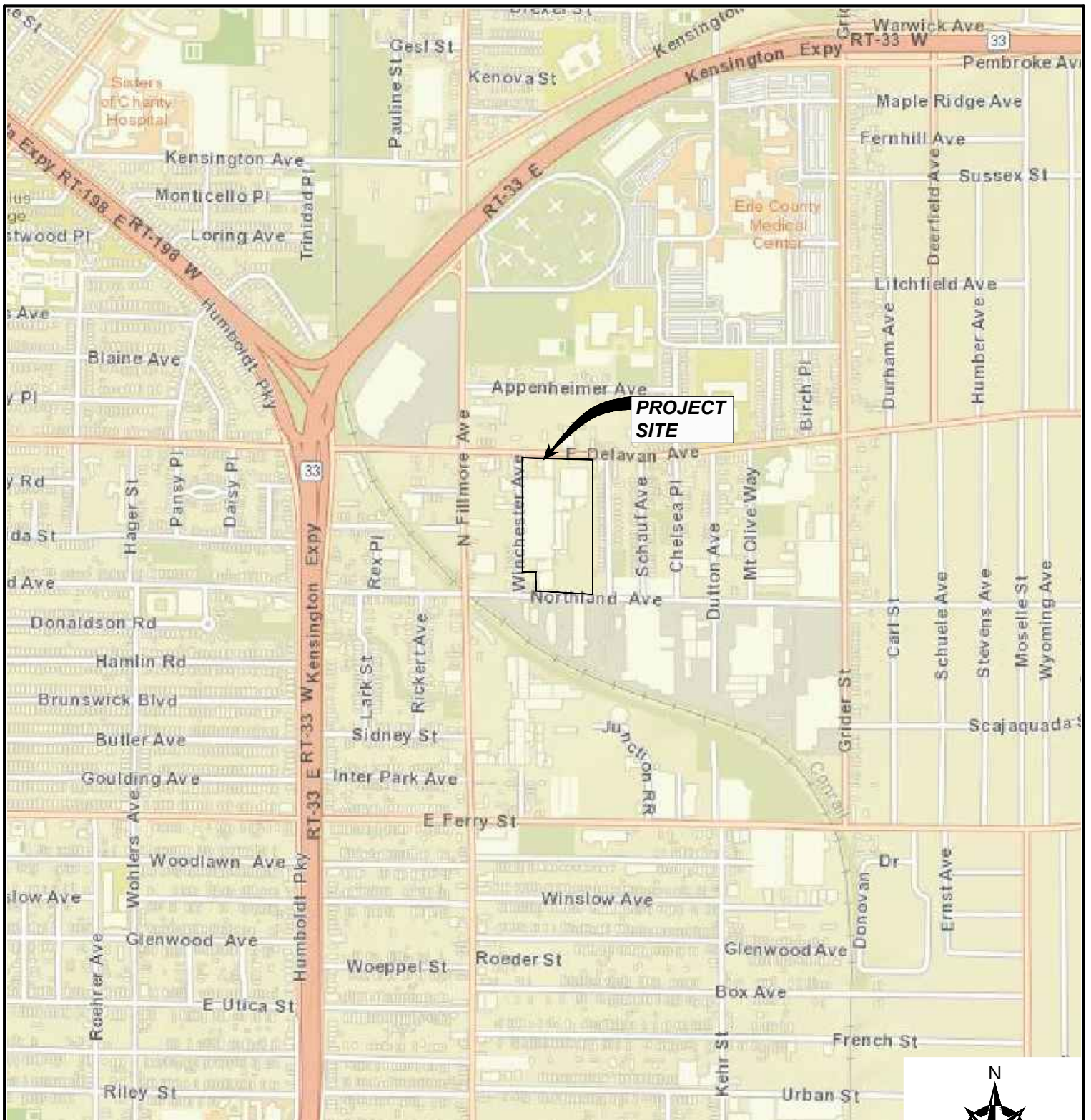
Table 4
NYSDEC Sump Sediment Analytical Testing Results Summary
537 East Delavan Avenue
Buffalo, New York

Parameter	Part 375 - Unrestricted Use SCOs	Part 375 - Residential Use SCOs	Part 375 - Commercial Use SCOs	Part 375 - Industrial Use SCOs	Degreaser Sump	Southwest Sump	West Sump
Volatile Organic Compounds - EPA Method 8260 TCL (ug/Kg)							
cis-1,2-Dichloroethene	250	59,000	500,000	1,000,000	<	390 J	<
Trichloroethene	470	10,000	200,000	400,000	<	320 J	<
Methylene Chloride	50	51,000	500,000	1,000,000	1,700 J B	510 B	1,500 J B
Total VOCs					1,700	1,220	1,500
Semi-Volatile Organic Compounds - EPA Method 8270 (ug/Kg)							
Benzo [a] anthracene	1,000	1,000	5,600	11,000	<	150,000 J	60,000 J
Benzo [a] pyrene	1,000	1,000	1,000	1,100	<	95,000 J	47,000 J
Benzo [b] fluoranthene	1,000	1,000	5,600	11,000	<	160,000 J	79,000 J
Benzo [g,h,i] perylene	100,000	100,000	500,000	1,000,000	<	65,000	38,000 J
Benzo [k] fluoranthene	800	1,000	56,000	110,000	<	66,000 J	33,000 J
Chrysene	1,000	1,000	56,000	110,000	<	120,000 J	66,000 J
Fluoranthene	100,000	100,000	500,000	1,000,000	<	290,000 J	140,000
Indeno [1,2,3-cd] pyrene	500	500	5,600	11,000	<	51,000 J	30,000 J
Phenanthrene	100,000	100,000	500,000	1,000,000	<	290,000 J	85,000 J
Pyrene	100,000	100,000	500,000	1,000,000	<	270,000 J	110,000
Total SVOCs						1,557,000	688,000
Polychlorinated Biphenyls - EPA Method 8082 (mg/Kg)							
PCB-1254	See Total PCBs	See Total PCBs	See Total PCBs	See Total PCBs	<	12	<
PCB-1262	See Total PCBs	See Total PCBs	See Total PCBs	See Total PCBs	<	7.1	<
Total PCBs	100	1,000	1,000	25,000		19.1	
Metals TAL - EPA Method 6010B/7471A (mg/Kg)							
Aluminum	NV	NV	NV	NV	1,960	4,980	1,320
Antimony	NV	NV	NV	NV	17.2 J	18.7 J	3.1 J
Arsenic	13	16	16	16	13.2	27	6
Barium	350	350	400	10,000	982	11,100	281
Beryllium	7.2	14	590	2,700	0.10 J	0.28 J	<
Cadmium	2.5	2.5	9.3	60	70.9	177	12.6
Calcium	NV	NV	NV	NV	6,590 B	18,800 B	51,500 B
Chromium	30	36	1,500	6,800	611	893	30.6
Cobalt	NV	NV	NV	NV	14.1	14.8	11.4
Copper	50	270	270	10,000	718	1,370	739
Iron	NV	NV	NV	NV	60,600	92,400	51,600
Lead	63	400	1,000	3,900	1650	1,950	112
Magnesium	NV	NV	NV	NV	1750	4,800	19,000
Manganese	1,600	2,000	10,000	10,000	429 B	666 B	709 B
Nickel	30	140	310	10,000	57.2	82.5	23
Potassium	NV	NV	NV	NV	280	463	125
Selenium	3.9	36	1,500	6,800	2 J B	4.2 J B	1.9 J B
Silver	2	36	1,500	6,800	2.2	4.5	5.5
Sodium	NV	NV	NV	NV	158 J	194 J	211 J
Vanadium	NV	NV	NV	NV	14	29	6.7
Zinc	109	2,200	10,000	10,000	1810 B	10,100 ^ B	682 B
Mercury	0.18	0.81	2.8	5.7	9.6	5	0.83

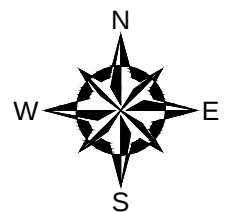
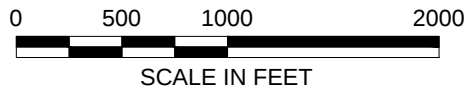
Notes:

- Compounds detected in one or more samples are presented on this table. Refer to Appendix D for list of all compounds included in analysis.
- Analytical testing completed by TestAmerica Laboratories in Amherst, New York.
- ug/kg = part per billion, mg/kg = part per million.
- NV = no value.
- Italics* indicates value exceeds Unrestricted Use Soil Cleanup Objectives.
- Bold** indicates value exceeds Restricted Use (Residential) Soil Cleanup Objectives.
- Shaded indicates value exceeds Commercial or Industrial Use Soil Cleanup Objectives.
- Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Restricted Use (Residential) and Commercial Soil Cleanup Objectives.
- Soil cleanup objectives (SCOs) are for reference and comparative purposes, and do not apply to sump sediment samples.
- < indicates compound not detected above method detection limits.
- B = Compound was detected in the method blank. ^ = Instrument related quality control exceeded control limits. J = estimated concentration.

FIGURES



NOTE:
BASE MAP ADAPTED FROM ARCGIS
TOPOGRAPHIC MAPS DOWNLOADED
FROM ARCGIS.COM MAPS



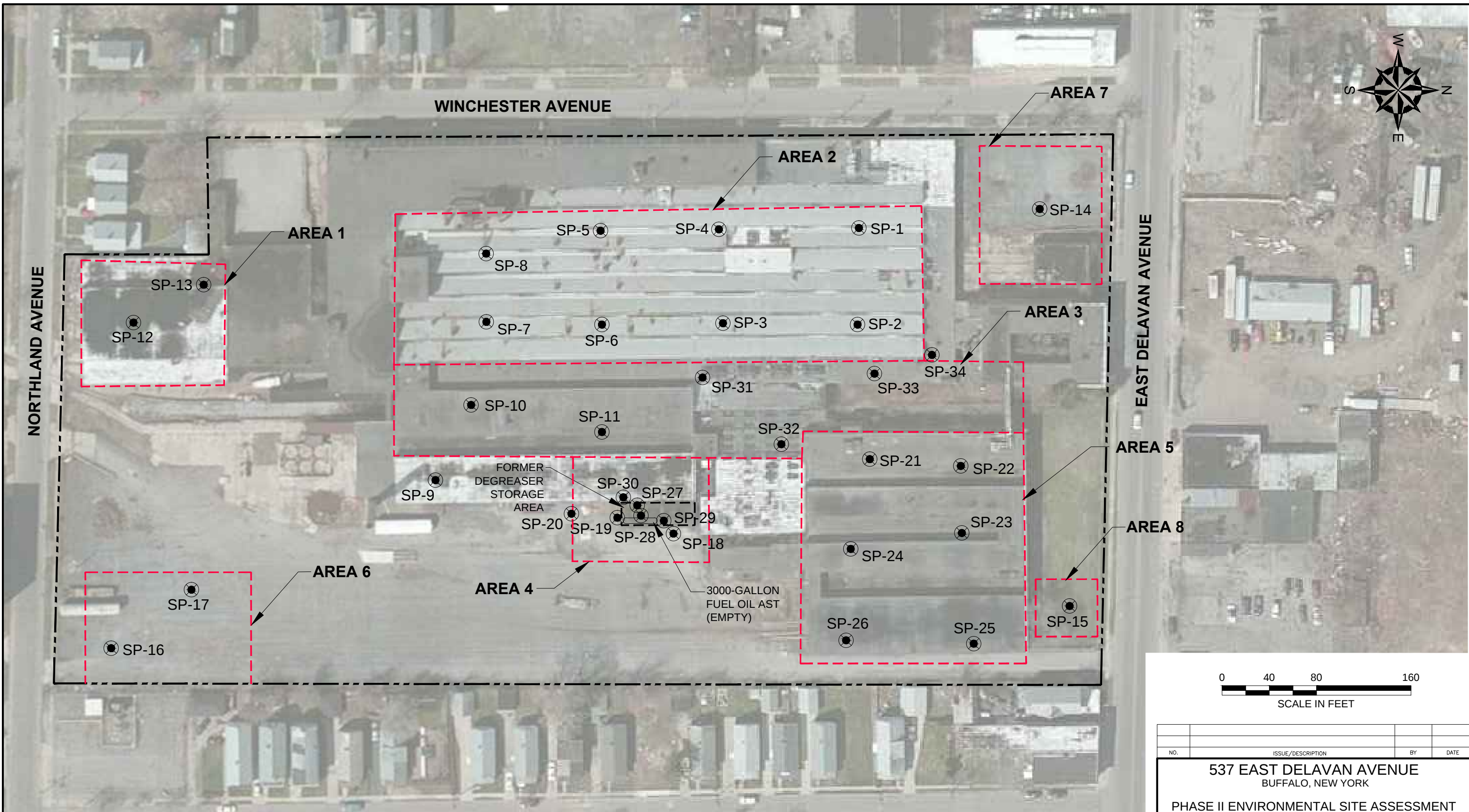
NO.		ISSUE/DESCRIPTION		BY	DATE
		537 EAST DELAVAN AVENUE BUFFALO, NEW YORK 14221 PHASE II ENVIRONMENTAL SITE ASSESSMENT		FIGURE 1	
		LOCUS PLAN		SHEET NO. 1 of 3	
PROJ MGR:	JR	REVIEWED BY:	TB	CHECKED BY:	DP
DESIGNED BY:	RJS	DRAWN BY:	RJS	SCALE:	AS SHOWN
		DATE		PROJECT NO.	REVISION NO.
		NOVEMBER 2014		31.0180045.10	

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

PREPARED BY:
GZA GeoEnvironmental of N.Y.
Engineers and Scientists
535 WASHINGTON STREET 11th FLOOR
BUFFALO, NEW YORK 14203
(716) 685-2300

PREPARED FOR:
NORDEL I, LLC

©2014 - GZA GeoEnvironmental of N.Y. GZA-GeoEnvironmental of N.Y. 31.0180045.10 NoDel Phase II ESA/FIGURE 2.dwg [Figure 2] November 12, 2014 - 11:57am daniel.wlf



NOTES:

1. BASE MAP ADAPTED FROM AERIAL PHOTOGRAPH DOWNLOADED FROM BING MAPS.
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

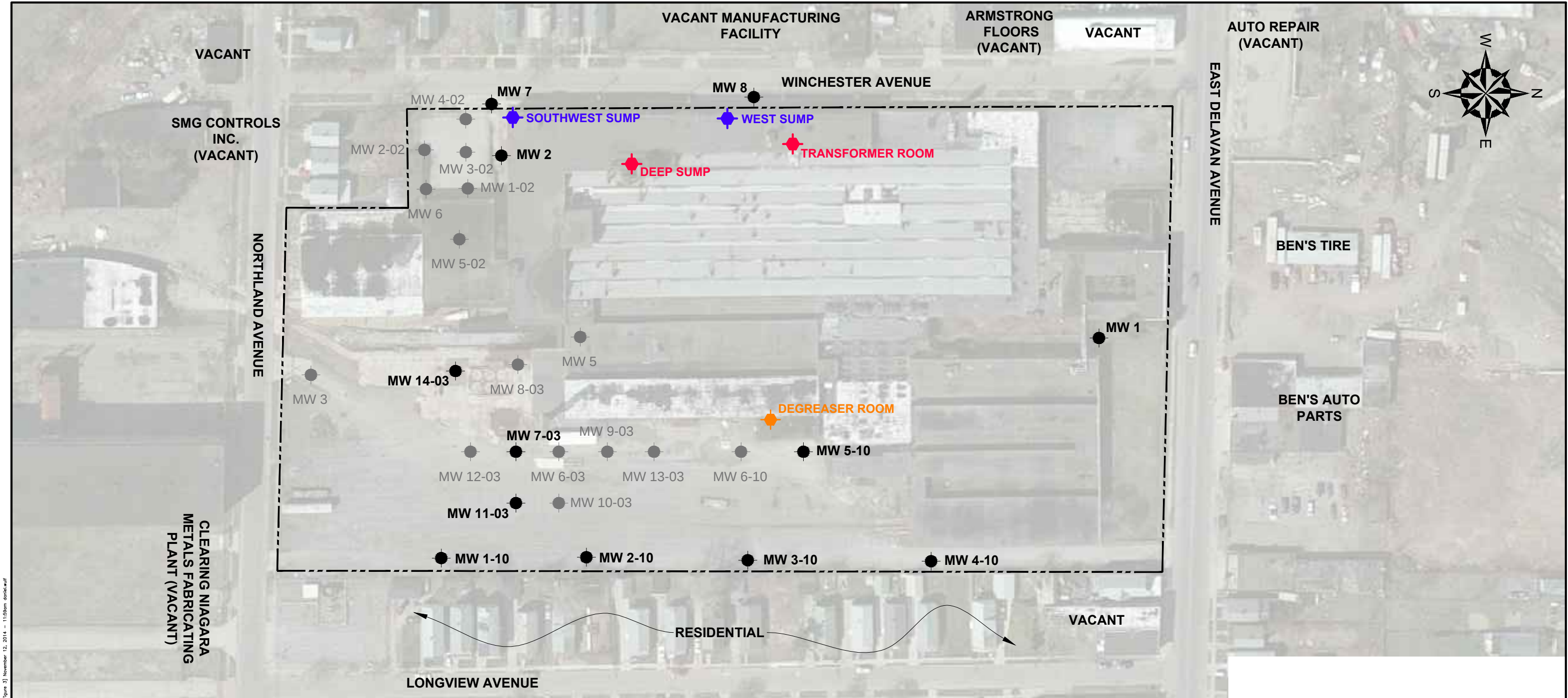
LEGEND:



APPROXIMATE LOCATION AND DESIGNATION OF
SOIL PROBE COMPLETED ON OCTOBER 15-17, 2014
BY TREC ENVIRONMENTAL, INC.

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

NO.	ISSUE/DESCRIPTION	BY	DATE
537 EAST DELAVAN AVENUE BUFFALO, NEW YORK			
PHASE II ENVIRONMENTAL SITE ASSESSMENT			
SOIL PROBE LOCATION PLAN			
PREPARED BY:  GZA GeoEnvironmental of N.Y. Engineers and Scientists 535 WASHINGTON STREET 11th FLOOR BUFFALO, NEW YORK 14203 (716) 685-2300		PREPARED FOR: NORDEL I, LLC	
PROJ MGR: JR	REVIEWED BY: TB	CHECKED BY: DP	FIGURE 2 SHEET NO. 2 OF 3
DESIGNED BY: TB	DRAWN BY: DEW	SCALE: AS SHOWN	
DATE NOVEMBER 2014	PROJECT NO. 31.0180045.10	REVISION NO.	



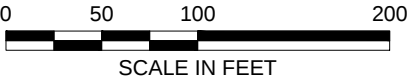
NOTES:

1. BASE MAP ADAPTED FROM AERIAL PHOTOGRAPH DOWNLOADED FROM BING MAPS.
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.
3. MONITORING WELL LOCATIONS/DESIGNATIONS FROM NYSDEC GROUNDWATER RESULTS DATED APRIL 2006

LEGEND:

- MW 1**  APPROXIMATE LOCATION AND DESIGNATION OF EXISTING MONITORING WELLS SAMPLED BY NYSDEC ON OCTOBER 15 & 16, 2014
- MW 5**  APPROXIMATE LOCATION AND DESIGNATION OF EXISTING MONITORING WELLS NOT LOCATED AND/OR SAMPLED BY NYSDEC
- WEST SUMP**  APPROXIMATE LOCATION AND DESIGNATION OF SUMP SEDIMENT SAMPLES COLLECTED BY NYSDEC ON OCTOBER 15 & 16, 2014
- DEEP SUMP**  APPROXIMATE LOCATION AND DESIGNATION OF SUMP WATER SAMPLES COLLECTED BY NYSDEC ON OCTOBER 15 & 16, 2014
- DEGREASER ROOM**  APPROXIMATE LOCATION AND DESIGNATION OF SUMP SEDIMENT AND WATER SAMPLES COLLECTED BY NYSDEC ON OCTOBER 15 & 16, 2014

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



537 EAST DELAVAN AVENUE BUFFALO, NEW YORK			
PHASE II ENVIRONMENTAL SITE ASSESSMENT			
NYSDEC GROUNDWATER, SUMPWATER, AND SEDIMENT SAMPLING LOCATION PLAN			
PREPARED BY:  GZA GeoEnvironmental of N.Y. Engineers and Scientists 535 WASHINGTON STREET 11th FLOOR BUFFALO, NEW YORK 14203 (716) 685-2300		PREPARED FOR: NORDEL I, LLC	
PROJ MGR: JR	REVIEWED BY: TB	CHECKED BY: JR	FIGURE 3 SHEET NO. 3 OF 3
DESIGNED BY:	DRAWN BY: DEW	SCALE: AS SHOWN	
DATE NOVEMBER 2014	PROJECT NO. 31.0180045.10	REVISION NO.	

APPENDIX A
LIMITATIONS



GEOHYDROLOGICAL LIMITATIONS

Use of Report

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

Standard of Care

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).
3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.
4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

Subsurface Conditions

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs.

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

Compliance with Codes and Regulations

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

Screening and Analytical Testing

8. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.
9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.
10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

Interpretation of Data

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

Additional Information

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

Additional Services

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

APPENDIX B
SOIL PROBE LOGS

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan		
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM NA		
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE T. Bohlen		
WATER LEVEL DATA				TYPE OF DRILL RIG Track Mounted Geoprobe 54LT				
DATE		TIME		WATER		CASING		
				CASING SIZE AND DIAMETER 2" diameter by 48" long				
				OVERBURDEN SAMPLING METHOD Direct push				
				ROCK DRILLING METHOD NA				
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES		O V M (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)					
1	S-1	0 - 2	60	Concrete (2-inches) and fine to coarse Brick subbase (2-inches). NATIVE - Brown Silty CLAY, little Sand, trace Gravel, moist.				0
2								
3	S-2	2 - 4	60					0
4								
5	S-3	4 - 5.1	100	Refusal at 5.1 feet bgs.				0
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
S - Split Spoon Sample C - Rock Core Sample				NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.				
General Notes:				1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.				

Soil Probe: SP-2

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE	
						T. Bohlen	
WATER LEVEL DATA				TYPE OF DRILL RIG			
				Track Mounted Geoprobe 54LT			
DATE				CASING			
				CASING SIZE AND DIAMETER			
				2" diameter by 48" long			
				OVERBURDEN SAMPLING METHOD			
				Direct push			
				ROCK DRILLING METHOD			
				NA			
D E P T H	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	10	Concrete (8-inches).		0	
2				NATIVE - Brown Silty CLAY, little Sand, trace Gravel, moist.		0	
3	S-2	2 - 4	10	Grades to: some Sand.		0	
4						0	
5	S-3	4 - 6	10			0	
6						0	
7	S-4	6 - 8	10			0	
8						0	
9	S-5	8 - 10	50			0	
10						0	
11	S-6	10 - 11	50			0	
12						Black decomposed wood.	
13				Refusal at 11 feet bgs.			
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample		NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.					
C - Rock Core Sample		bgs = Below ground surface. ppm = parts per million.					
General 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual.							
Notes: 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE	
						T. Bohlen	
WATER LEVEL DATA				TYPE OF DRILL RIG			
				Track Mounted Geoprobe 54LT			
DATE				CASING SIZE AND DIAMETER			
TIME				2" diameter by 48" long			
WATER				OVERBURDEN SAMPLING METHOD			
				Direct push			
CASING				ROCK DRILLING METHOD			
				NA			
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES	
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	10	Concrete (6-inches). FILL - Dark Brown fine to coarse SAND, moist (2-inches). NATIVE - Brown Silty CLAY, little Sand, trace Gravel, moist.			
2							
3	S-2	2 - 4	10	Petroleum odor observed.		0	
4							
5	S-3	4 - 6	100			0.1	
6							
7	S-4	6 - 8	100			0.2	
8							
9	S-5	8 - 8.4	100	Black staining and petroleum odor observed.		2.0	
10							
11				Refusal at 8.4 feet bgs.			
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample C - Rock Core Sample				NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.			
General Notes: 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM NA	
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE T. Bohlen	
WATER LEVEL DATA				TYPE OF DRILL RIG		Track Mounted Geoprobe 54LT	
DATE		TIME	WATER	CASING	CASING SIZE AND DIAMETER		2" diameter by 48" long
					OVERBURDEN SAMPLING METHOD		Direct push
					ROCK DRILLING METHOD		NA
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES	O V M (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	50	Concrete (6-inches). FILL - Dark Brown fine to coarse SAND, moist (2-inches). NATIVE - Brown Silty CLAY, little Sand, trace Gravel, moist. Gray staining observed.			6.9
2							
3	S-2	2 - 4	50				
4							
5	S-3	4 - 6	100				
6							
7	S-4	6 - 8	100				
8							
9	S-5	8 - 8.7	100				
10				Refusal at 8.7 feet bgs.			
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample C - Rock Core Sample		NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.					
General Notes: 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

Soil Probe: SP-6

Soil Probe: SP-7

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan			
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM			
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE			
						T. Bohlen			
WATER LEVEL DATA				TYPE OF DRILL RIG					
DATE		TIME	WATER	CASING	Track Mounted Geoprobe 54LT				
					CASING SIZE AND DIAMETER				
					2" diameter by 48" long				
					OVERBURDEN SAMPLING METHOD				
					Direct push				
					ROCK DRILLING METHOD				
					NA				
SAMPLE INFORMATION				SAMPLE DESCRIPTION		NOTES		O V M (ppm)	
Sample Number		DEPTH (FT)	RECOVERY (%)						
S-1		0 - 2	30	Concrete (8-inches).				0	
S-2		2 - 4	30	FILL - Dark Brown/Black fine to coarse SAND, trace Gravel, trace Glass, moist.				0	
S-3		4 - 6	90					0	
S-4		6 - 6.2	90					0	

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan										
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM										
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE										
						T. Bohlen										
WATER LEVEL DATA				TYPE OF DRILL RIG												
				Track Mounted Geoprobe 54LT												
DATE				CASING												
				CASING SIZE AND DIAMETER												
				2" diameter by 48" long												
				OVERBURDEN SAMPLING METHOD												
				Direct push												
				ROCK DRILLING METHOD												
				NA												
D E P T H	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES		O V M (ppm)								
	Sample Number	DEPTH (FT)	RECOVERY (%)													
1	S-1	0 - 2	70	Concrete (6-inches). FILL - Dark Brown fine to coarse SAND, moist. NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist. Dark Gray staining observed.				0.2								
2																
3																
4																
5	S-2	2 - 4	70	End of Dark Gray staining.				0.7								
6																
7																
8																
9	S-3	4 - 6	100	Refusal at 7.1 feet bgs.				0.7								
10																
11																
12																
13	S-4	6 - 7.1	100					0.2								
14																
15																
16																
17																
18																
19																
20																
S - Split Spoon Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.													
C - Rock Core Sample																
General										1) Stratification lines represent approximate boundry between soil types, transitions may be gradual.						
Notes:										2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.						

Soil Probe: SP-11

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan		
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM NA		
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE T. Bohlen		
WATER LEVEL DATA				TYPE OF DRILL RIG Truck Mounted Geoprobe 540DT				
DATE		TIME		WATER		CASING		
				CASING SIZE AND DIAMETER 2" diameter by 48" long				
				OVERBURDEN SAMPLING METHOD Direct push				
				ROCK DRILLING METHOD NA				
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES		O V M (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)					
1	S-1	0 - 2	100	Concrete (3-inches). NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.				0
2								
3								
4	S-2	2 - 4	100					
5								
6								
7	S-3	4 - 6	100					
8								
9				Refusal at 6.8 feet bgs.				0
10	S-4	6 - 6.8	100					
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
S - Split Spoon Sample C - Rock Core Sample				NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.				
General Notes: 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.								

Soil Probe: SP-13

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE	
						T. Bohlen	
WATER LEVEL DATA				TYPE OF DRILL RIG			
				Truck Mounted Geoprobe 540DT			
DATE				CASING			
				CASING SIZE AND DIAMETER			
				2" diameter by 48" long			
				OVERBURDEN SAMPLING METHOD			
				Direct push			
				ROCK DRILLING METHOD			
				NA			
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	100	Asphalt (2-inches). NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.		0	
2							
3	S-2	2 - 4	100				
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample C - Rock Core Sample				NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.			
General Notes: 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan		
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM		
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE		
						T. Bohlen		
WATER LEVEL DATA				TYPE OF DRILL RIG				
DATE				Truck Mounted Geoprobe 540DT				
TIME				CASING SIZE AND DIAMETER				
WATER				2" diameter by 48" long				
CASING				OVERBURDEN SAMPLING METHOD				
				Direct push				
				ROCK DRILLING METHOD				
				NA				
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES		O V M (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)					
1	S-1	0 - 2	50	Topsoil (6-inches). FILL - Brown Silty CLAY, little Gravel, trace Sand, moist. FILL - Brown, Dark Brown, Light Gray fine to coarse SAND, trace Gravel, moist.				0
2								
3	S-2	2 - 4	50					
4								
5	S-3	4 - 5.1	10					
6				Refusal at 5.1 feet bgs.				0
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
S - Split Spoon Sample C - Rock Core Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.					
General Notes: 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.								

Soil Probe: SP-16

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan			
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM			
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE			
						T. Bohlen			
WATER LEVEL DATA				TYPE OF DRILL RIG					
				Truck Mounted Geoprobe 540DT					
DATE				CASING					
				CASING SIZE AND DIAMETER					
				2" diameter by 48" long					
				OVERBURDEN SAMPLING METHOD					
				Direct push					
				ROCK DRILLING METHOD					
				NA					
D E P T H	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES		O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)						
1	S-1	0 - 2	100	Asphalt (2-inches). NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.				0	
2									
3	S-2	2 - 4	100						
4									
5	S-3	4 - 5.5	100						
6				Refusal at 5.5 feet bgs.				0	
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
S - Split Spoon Sample C - Rock Core Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.						
General Notes: 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.									

Soil Probe: SP-18

Soil Probe: SP-19

Soil Probe: SP-21

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan			
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM			
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE			
						T. Bohlen			
WATER LEVEL DATA				TYPE OF DRILL RIG					
				Truck Mounted Geoprobe 540DT					
DATE				CASING					
				CASING SIZE AND DIAMETER					
				2" diameter by 48" long					
				OVERBURDEN SAMPLING METHOD					
				Direct push					
				ROCK DRILLING METHOD					
				NA					
D E P T H	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES		O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)						
	S-1	0 - 1.5	20	Concrete (6-inches).				0	
1				NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.					
2				Refusal at 1.5 feet bgs.					
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
S - Split Spoon Sample C - Rock Core Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.						
General Notes:			1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.						

Soil Probe: SP-23

Soil Probe: SP-24

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan			
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM			
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE			
						T. Bohlen			
WATER LEVEL DATA				TYPE OF DRILL RIG					
				Truck Mounted Geoprobe 540DT					
DATE				CASING					
				CASING SIZE AND DIAMETER					
				2" diameter by 48" long					
				OVERBURDEN SAMPLING METHOD					
				Direct push					
				ROCK DRILLING METHOD					
				NA					
D E P T H	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES		O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)						
	S-1	0 - 2	10	Concrete (12-inches).				0	
1				NATIVE - Brown Silty CLAY, trace Sand, trace Gravel, moist.					
2				Refusal at 2 feet bgs.					
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
S - Split Spoon Sample C - Rock Core Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.						
General Notes: 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.									

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan		
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM		
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE		
						T. Bohlen		
WATER LEVEL DATA				TYPE OF DRILL RIG				
DATE				Truck Mounted Geoprobe 540DT				
TIME				CASING SIZE AND DIAMETER				
WATER				2" diameter by 48" long				
CASING				OVERBURDEN SAMPLING METHOD				
				Direct push				
				ROCK DRILLING METHOD				
				NA				
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES		O V M (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)					
1	S-1	0 - 2	40	Concrete (2-inches).				1.7
2				FILL - Brown, Dark Brown, Gray fine to coarse SAND, some Gravel, moist.				1.7
3	S-2	2 - 4	40					
4								
5	S-3	4 - 5.2	5					0
6				Refusal at 5.2 feet bgs.				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
S - Split Spoon Sample C - Rock Core Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.					
General Notes:								
1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.								

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE	
						NA	
						T. Bohlen	
WATER LEVEL DATA				TYPE OF DRILL RIG			
				Track Mounted Geoprobe 54LT			
DATE				CASING SIZE AND DIAMETER			
TIME				2" diameter by 48" long			
WATER				OVERBURDEN SAMPLING METHOD			
				Direct push			
				ROCK DRILLING METHOD			
				NA			
D E P T H	SAMPLE INFORMATION			SAMPLE DESCRIPTION		NOTES	O V M (ppm)
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	80	Concrete (6-inches).		Near sump in former degreaser still room.	4.6
2				FILL - Brown fine to coarse SAND, trace Gravel, moist (2-inches).			
3	S-2	2 - 4	80	FILL Brown CLAY and SILT, trace Gravel, trace Sand, moist.			2.4
4				FILL - Gray GRAVEL, some fine to coarse Sand, moist (4-inches).			
5	S-3	4 - 4.7	100	NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.			4.3
6				Refusal at 4.7 feet bgs.			
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.				
C - Rock Core Sample			bgs = Below ground surface. ppm = parts per million.				
General Notes:							
1) Stratification lines represent approximate boundry between soil types, transitions may be gradual.							
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE		10/17/2014	
GZA GEOENVIRONMENTAL REPRESENTATIVE				T. Bohlen			
WATER LEVEL DATA				TYPE OF DRILL RIG			
DATE				Track Mounted Geoprobe 54LT			
TIME				CASING SIZE AND DIAMETER			
WATER				2" diameter by 48" long			
CASING				OVERBURDEN SAMPLING METHOD			
				Direct push			
				ROCK DRILLING METHOD			
				NA			
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	60	Concrete (6-inches). FILL - Brown fine to coarse SAND, some Gravel, trace Slag, moist (4-inches). NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.	North of wall and AST.	4.8	
2							
3	S-2	2 - 4	60				
4							
5	S-3	4 - 4.7	100				
6				Refusal at 4.7 feet bgs.		2.2	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample C - Rock Core Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.				
General Notes: 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE		10/17/2014	
GZA GEOENVIRONMENTAL REPRESENTATIVE				T. Bohlen			
WATER LEVEL DATA				TYPE OF DRILL RIG			
DATE				Track Mounted Geoprobe 54LT			
TIME				CASING SIZE AND DIAMETER			
WATER				2" diameter by 48" long			
CASING				OVERBURDEN SAMPLING METHOD			
				Direct push			
				ROCK DRILLING METHOD			
				NA			
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	60	Concrete (6-inches). FILL - Dark Brown fine to coarse SAND, trace Gravel, moist (4-inches).	West of wall and former degreaser still room.	0	
2				FILL - Gray GRAVEL, some fine to coarse SAND, moist.		2.5	
3	S-2	2 - 4	60	NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.		2.1	
4							
5	S-3	4 - 5	20				
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample C - Rock Core Sample				NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.			
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CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE	
						T. Bohlen	
WATER LEVEL DATA				TYPE OF DRILL RIG			
				Track Mounted Geoprobe 54LT			
DATE				CASING SIZE AND DIAMETER			
TIME				2" diameter by 48" long			
WATER				OVERBURDEN SAMPLING METHOD			
CASING				Direct push			
				ROCK DRILLING METHOD			
				NA			
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	100	Concrete (4-inches). NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.		0	
2				Refusal at 2 feet bgs.			
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample C - Rock Core Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.				
General 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. Notes: 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE	
						T. Bohlen	
WATER LEVEL DATA				TYPE OF DRILL RIG			
				Track Mounted Geoprobe 54LT			
DATE				CASING SIZE AND DIAMETER			
TIME				2" diameter by 48" long			
WATER				OVERBURDEN SAMPLING METHOD			
CASING				Direct push			
				ROCK DRILLING METHOD			
				NA			
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	100	FILL - Dark Brown fine SAND, trace Gravel, moist.	Perimeter trench associated with assumed former concrete equipment support.	0	
2							
3	S-2	2 - 2.4	60	Refusal at 2.4 feet bgs.		0	
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample				NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.			
C - Rock Core Sample				bgs = Below ground surface. ppm = parts per million.			
General 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual.							
Notes: 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

CONTRACTOR		TREC Environmental		BORING LOCATION		See Site Plan	
DRILLER		Chad Britton		GROUND SURFACE ELEVATION		NM DATUM	
START DATE		10/15/2014		END DATE 10/17/2014		GZA GEOENVIRONMENTAL REPRESENTATIVE	
						T. Bohlen	
WATER LEVEL DATA				TYPE OF DRILL RIG			
				Track Mounted Geoprobe 54LT			
DATE				CASING SIZE AND DIAMETER			
TIME				2" diameter by 48" long			
WATER				OVERBURDEN SAMPLING METHOD			
CASING				Direct push			
				ROCK DRILLING METHOD			
				NA			
DEPTH	SAMPLE INFORMATION			SAMPLE DESCRIPTION	NOTES	O V M (ppm)	
	Sample Number	DEPTH (FT)	RECOVERY (%)				
1	S-1	0 - 2	50	Concrete (5-inches). Dark Brown fine SAND, trace Gravel, moist (2-inches).		1.5	
2				NATIVE - Brown Silty CLAY, trace Gravel, trace Sand, moist.			
3				Refusal at 2 feet bgs.			
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
S - Split Spoon Sample C - Rock Core Sample			NOTES: MiniRAE 3000 was used to field screen and headspace soil samples. bgs = Below ground surface. ppm = parts per million.				
General 1) Stratification lines represent approximate boundry between soil types, transitions may be gradual. Notes: 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.							

APPENDIX C
ANALYTICAL TEST RESULTS



ANALYTICAL REPORT

Lab Number:	L1424863
Client:	The Palmerton Group 535 Washington St. Buffalo, NY 14203
ATTN:	James Richert
Phone:	(716) 685-2300
Project Name:	FORMER HOUDAILLE/VIBRATECH
Project Number:	31.0180045.10
Report Date:	10/27/14

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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: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1424863-01	SP-4-8-101514	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/15/14 11:40	10/17/14
L1424863-02	SP-5-4-101514	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/15/14 12:15	10/17/14
L1424863-03	SP-6-6-101514	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/15/14 13:15	10/17/14
L1424863-04	SP-7-3-101514	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/15/14 13:25	10/17/14
L1424863-05	SP-8-8-101514	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/15/14 14:00	10/17/14
L1424863-06	SP-10-4-101514	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/15/14 15:15	10/17/14
L1424863-07	SP-13-7-101614	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/16/14 09:15	10/17/14
L1424863-08	SP-14-4-101614	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/16/14 10:00	10/17/14
L1424863-09	SP-15-5-101614	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/16/14 10:15	10/17/14
L1424863-10	SP-16-6-101614	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/16/14 10:45	10/17/14
L1424863-11	SP-19-9-101614	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/16/14 12:05	10/17/14
L1424863-12	SP-24-3-101614	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/16/14 14:20	10/17/14
L1424863-13	SP-26-4-101614	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/16/14 15:25	10/17/14
L1424863-14	SP-27-2-101714	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/17/14 09:25	10/17/14
L1424863-15	SP-28-2-101714	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/17/14 09:50	10/17/14
L1424863-16	SP-29-4-101714	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/17/14 10:20	10/17/14
L1424863-17	SP-30-4-101714	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/17/14 11:15	10/17/14
L1424863-18	SP-31-1-101714	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/17/14 11:40	10/17/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1424863-19	SP-32-2-101714	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/17/14 12:00	10/17/14
L1424863-20	SP-34-2-101714	SOIL	537 EAST DELAVAN AVE., BUFFALO, NY	10/17/14 12:30	10/17/14

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

HOLD POLICY

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

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

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1424863-01, -11, -12, -13, and -20 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

Petroleum Hydrocarbon Quantitation

L1424863-12: The surrogate recovery is below the acceptance criteria for o-terphenyl (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 WG733262-3 Laboratory Duplicate RPD (59%), performed on L1424863-20, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

Gasoline Range Organics

The surrogate recoveries for L1424863-12 and -18 are outside the acceptance criteria for 4-bromofluorobenzene (66% and 203%); however, the samples were not re-analyzed due to coelution with obvious interferences. Copies of the chromatograms are included as an attachment to this 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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 10/27/14

ORGANICS

VOLATILES

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-01 D
Client ID: SP-4-8-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 12:21
Analyst: BN
Percent Solids: 83%

Date Collected: 10/15/14 11:40
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	60	6.6	5
1,1-Dichloroethane	ND		ug/kg	9.0	0.51	5
Chloroform	ND		ug/kg	9.0	2.2	5
Carbon tetrachloride	ND		ug/kg	6.0	1.2	5
1,2-Dichloropropane	ND		ug/kg	21	1.4	5
Dibromochloromethane	ND		ug/kg	6.0	0.92	5
1,1,2-Trichloroethane	ND		ug/kg	9.0	1.8	5
Tetrachloroethene	ND		ug/kg	6.0	0.84	5
Chlorobenzene	ND		ug/kg	6.0	2.1	5
Trichlorofluoromethane	ND		ug/kg	30	2.3	5
1,2-Dichloroethane	ND		ug/kg	6.0	0.68	5
1,1,1-Trichloroethane	ND		ug/kg	6.0	0.66	5
Bromodichloromethane	ND		ug/kg	6.0	1.0	5
trans-1,3-Dichloropropene	ND		ug/kg	6.0	0.72	5
cis-1,3-Dichloropropene	ND		ug/kg	6.0	0.70	5
Bromoform	ND		ug/kg	24	1.4	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	6.0	0.60	5
Benzene	ND		ug/kg	6.0	0.71	5
Toluene	ND		ug/kg	9.0	1.2	5
Ethylbenzene	ND		ug/kg	6.0	0.76	5
Chloromethane	ND		ug/kg	30	1.8	5
Bromomethane	ND		ug/kg	12	2.0	5
Vinyl chloride	ND		ug/kg	12	0.70	5
Chloroethane	ND		ug/kg	12	1.9	5
1,1-Dichloroethene	ND		ug/kg	6.0	1.6	5
trans-1,2-Dichloroethene	ND		ug/kg	9.0	1.3	5
Trichloroethene	ND		ug/kg	6.0	0.75	5
1,2-Dichlorobenzene	ND		ug/kg	30	0.92	5
1,3-Dichlorobenzene	ND		ug/kg	30	0.81	5
1,4-Dichlorobenzene	ND		ug/kg	30	0.83	5

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-01 D**Date Collected:** 10/15/14 11:40**Client ID:** SP-4-8-101514**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	12	0.50	5
p/m-Xylene	ND		ug/kg	12	1.2	5
o-Xylene	ND		ug/kg	12	1.0	5
cis-1,2-Dichloroethene	1.6	J	ug/kg	6.0	0.86	5
Styrene	ND		ug/kg	12	2.4	5
Dichlorodifluoromethane	ND		ug/kg	60	1.1	5
Acetone	120		ug/kg	60	6.2	5
Carbon disulfide	ND		ug/kg	60	6.6	5
2-Butanone	ND		ug/kg	60	1.6	5
4-Methyl-2-pentanone	ND		ug/kg	60	1.5	5
2-Hexanone	ND		ug/kg	60	4.0	5
Bromochloromethane	ND		ug/kg	30	1.6	5
1,2-Dibromoethane	ND		ug/kg	24	1.0	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	30	2.4	5
Isopropylbenzene	ND		ug/kg	6.0	0.62	5
1,2,3-Trichlorobenzene	ND		ug/kg	30	0.88	5
1,2,4-Trichlorobenzene	ND		ug/kg	30	1.1	5
Methyl Acetate	ND		ug/kg	120	1.6	5
Cyclohexane	ND		ug/kg	120	0.88	5
1,4-Dioxane	ND		ug/kg	600	86.	5
Freon-113	ND		ug/kg	120	1.6	5
Methyl cyclohexane	ND		ug/kg	24	0.93	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-02 D
Client ID: SP-5-4-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/25/14 16:11
Analyst: JC
Percent Solids: 83%

Date Collected: 10/15/14 12:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	24	2.6	2
1,1-Dichloroethane	ND		ug/kg	3.6	0.20	2
Chloroform	ND		ug/kg	3.6	0.89	2
Carbon tetrachloride	ND		ug/kg	2.4	0.50	2
1,2-Dichloropropane	ND		ug/kg	8.4	0.55	2
Dibromochloromethane	ND		ug/kg	2.4	0.37	2
1,1,2-Trichloroethane	ND		ug/kg	3.6	0.73	2
Tetrachloroethene	ND		ug/kg	2.4	0.34	2
Chlorobenzene	ND		ug/kg	2.4	0.83	2
Trichlorofluoromethane	ND		ug/kg	12	0.93	2
1,2-Dichloroethane	ND		ug/kg	2.4	0.27	2
1,1,1-Trichloroethane	ND		ug/kg	2.4	0.26	2
Bromodichloromethane	ND		ug/kg	2.4	0.42	2
trans-1,3-Dichloropropene	ND		ug/kg	2.4	0.29	2
cis-1,3-Dichloropropene	ND		ug/kg	2.4	0.28	2
Bromoform	ND		ug/kg	9.6	0.56	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.4	0.24	2
Benzene	ND		ug/kg	2.4	0.28	2
Toluene	ND		ug/kg	3.6	0.47	2
Ethylbenzene	ND		ug/kg	2.4	0.30	2
Chloromethane	ND		ug/kg	12	0.70	2
Bromomethane	ND		ug/kg	4.8	0.81	2
Vinyl chloride	24		ug/kg	4.8	0.28	2
Chloroethane	ND		ug/kg	4.8	0.76	2
1,1-Dichloroethene	ND		ug/kg	2.4	0.63	2
trans-1,2-Dichloroethene	6.0		ug/kg	3.6	0.51	2
Trichloroethene	ND		ug/kg	2.4	0.30	2
1,2-Dichlorobenzene	ND		ug/kg	12	0.37	2
1,3-Dichlorobenzene	ND		ug/kg	12	0.32	2
1,4-Dichlorobenzene	ND		ug/kg	12	0.33	2

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-02 D**Date Collected:** 10/15/14 12:15**Client ID:** SP-5-4-101514**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	4.8	0.20	2
p/m-Xylene	ND		ug/kg	4.8	0.47	2
o-Xylene	ND		ug/kg	4.8	0.41	2
cis-1,2-Dichloroethene	160		ug/kg	2.4	0.34	2
Styrene	ND		ug/kg	4.8	0.96	2
Dichlorodifluoromethane	ND		ug/kg	24	0.46	2
Acetone	92		ug/kg	24	2.5	2
Carbon disulfide	ND		ug/kg	24	2.6	2
2-Butanone	12	J	ug/kg	24	0.65	2
4-Methyl-2-pentanone	ND		ug/kg	24	0.58	2
2-Hexanone	ND		ug/kg	24	1.6	2
Bromochloromethane	ND		ug/kg	12	0.66	2
1,2-Dibromoethane	ND		ug/kg	9.6	0.42	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	0.95	2
Isopropylbenzene	ND		ug/kg	2.4	0.25	2
1,2,3-Trichlorobenzene	ND		ug/kg	12	0.35	2
1,2,4-Trichlorobenzene	ND		ug/kg	12	0.44	2
Methyl Acetate	ND		ug/kg	48	0.65	2
Cyclohexane	ND		ug/kg	48	0.35	2
1,4-Dioxane	ND		ug/kg	240	34.	2
Freon-113	ND		ug/kg	48	0.66	2
Methyl cyclohexane	ND		ug/kg	9.6	0.37	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	111		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-03
Client ID: SP-6-6-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 13:14
Analyst: BN
Percent Solids: 83%

Date Collected: 10/15/14 13:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.43	J	ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	8.0		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.17	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-03**Date Collected:** 10/15/14 13:15**Client ID:** SP-6-6-101514**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	1.0	J	ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	6.6	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
Methyl Acetate	ND		ug/kg	24	0.32	1
Cyclohexane	ND		ug/kg	24	0.18	1
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	24	0.33	1
Methyl cyclohexane	ND		ug/kg	4.8	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-04
Client ID: SP-7-3-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 13:41
Analyst: BN
Percent Solids: 72%

Date Collected: 10/15/14 13:25
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.12	1
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.54	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
Bromoform	ND		ug/kg	5.6	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	7.6		ug/kg	2.1	0.27	1
Ethylbenzene	0.37	J	ug/kg	1.4	0.18	1
Chloromethane	ND		ug/kg	7.0	0.41	1
Bromomethane	ND		ug/kg	2.8	0.47	1
Vinyl chloride	ND		ug/kg	2.8	0.16	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.37	1
trans-1,2-Dichloroethene	0.32	J	ug/kg	2.1	0.30	1
Trichloroethene	7.7		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.19	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-04**Date Collected:** 10/15/14 13:25**Client ID:** SP-7-3-101514**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.12	1
p/m-Xylene	1.7	J	ug/kg	2.8	0.28	1
o-Xylene	0.96	J	ug/kg	2.8	0.24	1
cis-1,2-Dichloroethene	24		ug/kg	1.4	0.20	1
Styrene	ND		ug/kg	2.8	0.56	1
Dichlorodifluoromethane	ND		ug/kg	14	0.27	1
Acetone	4.9	J	ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.38	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
2-Hexanone	ND		ug/kg	14	0.93	1
Bromochloromethane	ND		ug/kg	7.0	0.39	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	0.55	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	0.25	1
Methyl Acetate	ND		ug/kg	28	0.38	1
Cyclohexane	ND		ug/kg	28	0.20	1
1,4-Dioxane	ND		ug/kg	140	20.	1
Freon-113	ND		ug/kg	28	0.38	1
Methyl cyclohexane	ND		ug/kg	5.6	0.22	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-05
Client ID: SP-8-8-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/25/14 16:38
Analyst: JC
Percent Solids: 80%

Date Collected: 10/15/14 14:00
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
Bromoform	ND		ug/kg	5.0	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.2	0.37	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	0.29	J	ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	1.3		ug/kg	1.2	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.17	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-05**Date Collected:** 10/15/14 14:00**Client ID:** SP-8-8-101514**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.10	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.21	1
cis-1,2-Dichloroethene	6.9		ug/kg	1.2	0.18	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	18		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.34	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.83	1
Bromochloromethane	ND		ug/kg	6.2	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.23	1
Methyl Acetate	ND		ug/kg	25	0.34	1
Cyclohexane	ND		ug/kg	25	0.18	1
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	25	0.34	1
Methyl cyclohexane	ND		ug/kg	5.0	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	113		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-06
Client ID: SP-10-4-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 14:34
Analyst: BN
Percent Solids: 85%

Date Collected: 10/15/14 15:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.9	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.16	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-06**Date Collected:** 10/15/14 15:15**Client ID:** SP-10-4-101514**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.23	1
o-Xylene	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	160		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	25		ug/kg	12	0.32	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
2-Hexanone	ND		ug/kg	12	0.79	1
Bromochloromethane	ND		ug/kg	5.9	0.33	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.47	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.22	1
Methyl Acetate	ND		ug/kg	24	0.32	1
Cyclohexane	ND		ug/kg	24	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	24	0.32	1
Methyl cyclohexane	ND		ug/kg	4.7	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-07
Client ID: SP-13-7-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 15:01
Analyst: BN
Percent Solids: 82%

Date Collected: 10/16/14 09:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-07**Date Collected:** 10/16/14 09:15**Client ID:** SP-13-7-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	25		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
Methyl Acetate	ND		ug/kg	24	0.33	1
Cyclohexane	ND		ug/kg	24	0.18	1
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	24	0.33	1
Methyl cyclohexane	ND		ug/kg	4.9	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-08
Client ID: SP-14-4-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 15:27
Analyst: BN
Percent Solids: 83%

Date Collected: 10/16/14 10:00
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.17	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-08**Date Collected:** 10/16/14 10:00**Client ID:** SP-14-4-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	80		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	14		ug/kg	12	0.33	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
Methyl Acetate	ND		ug/kg	24	0.33	1
Cyclohexane	ND		ug/kg	24	0.18	1
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	24	0.33	1
Methyl cyclohexane	ND		ug/kg	4.8	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-09
Client ID: SP-15-5-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 15:54
Analyst: BN
Percent Solids: 93%

Date Collected: 10/16/14 10:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.2	0.36	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-09**Date Collected:** 10/16/14 10:15**Client ID:** SP-15-5-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	2.2	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	5.1	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
Methyl Acetate	ND		ug/kg	22	0.29	1
Cyclohexane	ND		ug/kg	22	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	22	0.30	1
Methyl cyclohexane	ND		ug/kg	4.3	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-10
Client ID: SP-16-6-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 16:21
Analyst: BN
Percent Solids: 87%

Date Collected: 10/16/14 10:45
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-10**Date Collected:** 10/16/14 10:45**Client ID:** SP-16-6-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	11		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.3	1
2-Butanone	ND		ug/kg	11	0.31	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.32	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
Methyl Acetate	ND		ug/kg	23	0.31	1
Cyclohexane	ND		ug/kg	23	0.17	1
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	23	0.31	1
Methyl cyclohexane	ND		ug/kg	4.6	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	110		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-11 D
Client ID: SP-19-9-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 16:47
Analyst: BN
Percent Solids: 89%

Date Collected: 10/16/14 12:05
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	560	62.	50
1,1-Dichloroethane	ND		ug/kg	84	4.8	50
Chloroform	ND		ug/kg	84	21.	50
Carbon tetrachloride	ND		ug/kg	56	12.	50
1,2-Dichloropropane	ND		ug/kg	200	13.	50
Dibromochloromethane	ND		ug/kg	56	8.6	50
1,1,2-Trichloroethane	ND		ug/kg	84	17.	50
Tetrachloroethene	ND		ug/kg	56	7.8	50
Chlorobenzene	ND		ug/kg	56	20.	50
Trichlorofluoromethane	ND		ug/kg	280	22.	50
1,2-Dichloroethane	ND		ug/kg	56	6.4	50
1,1,1-Trichloroethane	ND		ug/kg	56	6.2	50
Bromodichloromethane	ND		ug/kg	56	9.7	50
trans-1,3-Dichloropropene	ND		ug/kg	56	6.8	50
cis-1,3-Dichloropropene	ND		ug/kg	56	6.6	50
Bromoform	ND		ug/kg	220	13.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	56	5.6	50
Benzene	ND		ug/kg	56	6.6	50
Toluene	ND		ug/kg	84	11.	50
Ethylbenzene	67		ug/kg	56	7.1	50
Chloromethane	ND		ug/kg	280	16.	50
Bromomethane	ND		ug/kg	110	19.	50
Vinyl chloride	ND		ug/kg	110	6.6	50
Chloroethane	ND		ug/kg	110	18.	50
1,1-Dichloroethene	ND		ug/kg	56	15.	50
trans-1,2-Dichloroethene	ND		ug/kg	84	12.	50
Trichloroethene	ND		ug/kg	56	7.0	50
1,2-Dichlorobenzene	ND		ug/kg	280	8.6	50
1,3-Dichlorobenzene	ND		ug/kg	280	7.6	50
1,4-Dichlorobenzene	ND		ug/kg	280	7.8	50

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-11 D**Date Collected:** 10/16/14 12:05**Client ID:** SP-19-9-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	110	4.7	50
p/m-Xylene	120		ug/kg	110	11.	50
o-Xylene	59	J	ug/kg	110	9.6	50
cis-1,2-Dichloroethene	ND		ug/kg	56	8.0	50
Styrene	ND		ug/kg	110	22.	50
Dichlorodifluoromethane	ND		ug/kg	560	11.	50
Acetone	480	J	ug/kg	560	58.	50
Carbon disulfide	ND		ug/kg	560	62.	50
2-Butanone	ND		ug/kg	560	15.	50
4-Methyl-2-pentanone	ND		ug/kg	560	14.	50
2-Hexanone	ND		ug/kg	560	37.	50
Bromochloromethane	ND		ug/kg	280	15.	50
1,2-Dibromoethane	ND		ug/kg	220	9.8	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	280	22.	50
Isopropylbenzene	20	J	ug/kg	56	5.8	50
1,2,3-Trichlorobenzene	ND		ug/kg	280	8.3	50
1,2,4-Trichlorobenzene	ND		ug/kg	280	10.	50
Methyl Acetate	ND		ug/kg	1100	15.	50
Cyclohexane	ND		ug/kg	1100	8.2	50
1,4-Dioxane	ND		ug/kg	5600	810	50
Freon-113	ND		ug/kg	1100	15.	50
Methyl cyclohexane	38	J	ug/kg	220	8.7	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	103		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-12 D
Client ID: SP-24-3-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 17:14
Analyst: BN
Percent Solids: 79%

Date Collected: 10/16/14 14:20
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	2500	280	200
1,1-Dichloroethane	ND		ug/kg	380	22.	200
Chloroform	ND		ug/kg	380	94.	200
Carbon tetrachloride	ND		ug/kg	250	53.	200
1,2-Dichloropropane	ND		ug/kg	880	58.	200
Dibromochloromethane	ND		ug/kg	250	39.	200
1,1,2-Trichloroethane	ND		ug/kg	380	77.	200
Tetrachloroethene	ND		ug/kg	250	35.	200
Chlorobenzene	ND		ug/kg	250	88.	200
Trichlorofluoromethane	ND		ug/kg	1300	98.	200
1,2-Dichloroethane	ND		ug/kg	250	29.	200
1,1,1-Trichloroethane	ND		ug/kg	250	28.	200
Bromodichloromethane	ND		ug/kg	250	44.	200
trans-1,3-Dichloropropene	ND		ug/kg	250	30.	200
cis-1,3-Dichloropropene	ND		ug/kg	250	30.	200
Bromoform	ND		ug/kg	1000	60.	200
1,1,2,2-Tetrachloroethane	ND		ug/kg	250	25.	200
Benzene	ND		ug/kg	250	30.	200
Toluene	ND		ug/kg	380	49.	200
Ethylbenzene	ND		ug/kg	250	32.	200
Chloromethane	ND		ug/kg	1300	74.	200
Bromomethane	ND		ug/kg	500	85.	200
Vinyl chloride	ND		ug/kg	500	30.	200
Chloroethane	ND		ug/kg	500	80.	200
1,1-Dichloroethene	ND		ug/kg	250	66.	200
trans-1,2-Dichloroethene	ND		ug/kg	380	54.	200
Trichloroethene	ND		ug/kg	250	32.	200
1,2-Dichlorobenzene	ND		ug/kg	1300	39.	200
1,3-Dichlorobenzene	ND		ug/kg	1300	34.	200
1,4-Dichlorobenzene	ND		ug/kg	1300	35.	200

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-12 D**Date Collected:** 10/16/14 14:20**Client ID:** SP-24-3-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	500	21.	200
p/m-Xylene	130	J	ug/kg	500	50.	200
o-Xylene	ND		ug/kg	500	43.	200
cis-1,2-Dichloroethene	ND		ug/kg	250	36.	200
Styrene	ND		ug/kg	500	100	200
Dichlorodifluoromethane	ND		ug/kg	2500	48.	200
Acetone	670	J	ug/kg	2500	260	200
Carbon disulfide	ND		ug/kg	2500	280	200
2-Butanone	ND		ug/kg	2500	69.	200
4-Methyl-2-pentanone	ND		ug/kg	2500	62.	200
2-Hexanone	ND		ug/kg	2500	170	200
Bromochloromethane	ND		ug/kg	1300	70.	200
1,2-Dibromoethane	ND		ug/kg	1000	44.	200
1,2-Dibromo-3-chloropropane	ND		ug/kg	1300	100	200
Isopropylbenzene	670		ug/kg	250	26.	200
1,2,3-Trichlorobenzene	ND		ug/kg	1300	37.	200
1,2,4-Trichlorobenzene	ND		ug/kg	1300	46.	200
Methyl Acetate	ND		ug/kg	5000	68.	200
Cyclohexane	ND		ug/kg	5000	37.	200
1,4-Dioxane	ND		ug/kg	25000	3600	200
Freon-113	ND		ug/kg	5000	69.	200
Methyl cyclohexane	160	J	ug/kg	1000	39.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-13 D
Client ID: SP-26-4-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/26/14 17:53
Analyst: BN
Percent Solids: 77%

Date Collected: 10/16/14 15:25
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	26	2.9	2
1,1-Dichloroethane	ND		ug/kg	3.9	0.22	2
Chloroform	ND		ug/kg	3.9	0.96	2
Carbon tetrachloride	ND		ug/kg	2.6	0.54	2
1,2-Dichloropropane	ND		ug/kg	9.1	0.59	2
Dibromochloromethane	ND		ug/kg	2.6	0.40	2
1,1,2-Trichloroethane	ND		ug/kg	3.9	0.79	2
Tetrachloroethene	ND		ug/kg	2.6	0.36	2
Chlorobenzene	ND		ug/kg	2.6	0.90	2
Trichlorofluoromethane	ND		ug/kg	13	1.0	2
1,2-Dichloroethane	ND		ug/kg	2.6	0.29	2
1,1,1-Trichloroethane	1.7	J	ug/kg	2.6	0.29	2
Bromodichloromethane	ND		ug/kg	2.6	0.45	2
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.31	2
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.30	2
Bromoform	ND		ug/kg	10	0.61	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	0.26	2
Benzene	ND		ug/kg	2.6	0.30	2
Toluene	0.77	J	ug/kg	3.9	0.50	2
Ethylbenzene	ND		ug/kg	2.6	0.33	2
Chloromethane	ND		ug/kg	13	0.76	2
Bromomethane	ND		ug/kg	5.2	0.88	2
Vinyl chloride	ND		ug/kg	5.2	0.30	2
Chloroethane	ND		ug/kg	5.2	0.82	2
1,1-Dichloroethene	ND		ug/kg	2.6	0.68	2
trans-1,2-Dichloroethene	ND		ug/kg	3.9	0.55	2
Trichloroethene	33		ug/kg	2.6	0.32	2
1,2-Dichlorobenzene	ND		ug/kg	13	0.40	2
1,3-Dichlorobenzene	ND		ug/kg	13	0.35	2
1,4-Dichlorobenzene	ND		ug/kg	13	0.36	2

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-13 D**Date Collected:** 10/16/14 15:25**Client ID:** SP-26-4-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.2	0.22	2
p/m-Xylene	1.1	J	ug/kg	5.2	0.51	2
o-Xylene	0.92	J	ug/kg	5.2	0.44	2
cis-1,2-Dichloroethene	1.6	J	ug/kg	2.6	0.37	2
Styrene	ND		ug/kg	5.2	1.0	2
Dichlorodifluoromethane	ND		ug/kg	26	0.49	2
Acetone	76		ug/kg	26	2.7	2
Carbon disulfide	ND		ug/kg	26	2.8	2
2-Butanone	6.1	J	ug/kg	26	0.70	2
4-Methyl-2-pentanone	ND		ug/kg	26	0.63	2
2-Hexanone	ND		ug/kg	26	1.7	2
Bromochloromethane	ND		ug/kg	13	0.72	2
1,2-Dibromoethane	ND		ug/kg	10	0.45	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	1.0	2
Isopropylbenzene	ND		ug/kg	2.6	0.27	2
1,2,3-Trichlorobenzene	ND		ug/kg	13	0.38	2
1,2,4-Trichlorobenzene	ND		ug/kg	13	0.47	2
Methyl Acetate	ND		ug/kg	52	0.70	2
Cyclohexane	ND		ug/kg	52	0.38	2
1,4-Dioxane	ND		ug/kg	260	37.	2
Freon-113	ND		ug/kg	52	0.71	2
Methyl cyclohexane	1.5	J	ug/kg	10	0.40	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	92		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-14
Client ID: SP-27-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/26/14 18:18
Analyst: BN
Percent Solids: 79%

Date Collected: 10/17/14 09:25
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	0.37	J	ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
Bromoform	ND		ug/kg	5.0	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.3	0.37	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	36		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.17	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-14**Date Collected:** 10/17/14 09:25**Client ID:** SP-27-2-101714**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.11	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.22	1
cis-1,2-Dichloroethene	0.75	J	ug/kg	1.3	0.18	1
Styrene	ND		ug/kg	2.5	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	ND		ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.34	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
2-Hexanone	ND		ug/kg	13	0.84	1
Bromochloromethane	ND		ug/kg	6.3	0.35	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.50	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.23	1
Methyl Acetate	ND		ug/kg	25	0.34	1
Cyclohexane	ND		ug/kg	25	0.18	1
1,4-Dioxane	ND		ug/kg	130	18.	1
Freon-113	ND		ug/kg	25	0.35	1
Methyl cyclohexane	0.48	J	ug/kg	5.0	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-15 D
Client ID: SP-28-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 12:20
Analyst: BN
Percent Solids: 90%

Date Collected: 10/17/14 09:50
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	560	61.	50
1,1-Dichloroethane	ND		ug/kg	83	4.8	50
Chloroform	ND		ug/kg	83	20.	50
Carbon tetrachloride	ND		ug/kg	56	12.	50
1,2-Dichloropropane	ND		ug/kg	190	13.	50
Dibromochloromethane	ND		ug/kg	56	8.5	50
1,1,2-Trichloroethane	ND		ug/kg	83	17.	50
Tetrachloroethene	ND		ug/kg	56	7.8	50
Chlorobenzene	ND		ug/kg	56	19.	50
Trichlorofluoromethane	ND		ug/kg	280	22.	50
1,2-Dichloroethane	ND		ug/kg	56	6.3	50
1,1,1-Trichloroethane	340		ug/kg	56	6.2	50
Bromodichloromethane	ND		ug/kg	56	9.6	50
trans-1,3-Dichloropropene	ND		ug/kg	56	6.7	50
cis-1,3-Dichloropropene	ND		ug/kg	56	6.5	50
Bromoform	ND		ug/kg	220	13.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	56	5.6	50
Benzene	ND		ug/kg	56	6.6	50
Toluene	31	J	ug/kg	83	11.	50
Ethylbenzene	23	J	ug/kg	56	7.1	50
Chloromethane	ND		ug/kg	280	16.	50
Bromomethane	ND		ug/kg	110	19.	50
Vinyl chloride	ND		ug/kg	110	6.5	50
Chloroethane	ND		ug/kg	110	18.	50
1,1-Dichloroethene	ND		ug/kg	56	14.	50
trans-1,2-Dichloroethene	ND		ug/kg	83	12.	50
Trichloroethene	1200		ug/kg	56	7.0	50
1,2-Dichlorobenzene	ND		ug/kg	280	8.5	50
1,3-Dichlorobenzene	ND		ug/kg	280	7.5	50
1,4-Dichlorobenzene	ND		ug/kg	280	7.7	50

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-15 D**Date Collected:** 10/17/14 09:50**Client ID:** SP-28-2-101714**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	110	4.7	50
p/m-Xylene	96	J	ug/kg	110	11.	50
o-Xylene	34	J	ug/kg	110	9.6	50
cis-1,2-Dichloroethene	ND		ug/kg	56	7.9	50
Styrene	ND		ug/kg	110	22.	50
Dichlorodifluoromethane	ND		ug/kg	560	11.	50
Acetone	ND		ug/kg	560	58.	50
Carbon disulfide	ND		ug/kg	560	61.	50
2-Butanone	ND		ug/kg	560	15.	50
4-Methyl-2-pentanone	ND		ug/kg	560	14.	50
2-Hexanone	ND		ug/kg	560	37.	50
Bromochloromethane	ND		ug/kg	280	15.	50
1,2-Dibromoethane	ND		ug/kg	220	9.7	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	280	22.	50
Isopropylbenzene	ND		ug/kg	56	5.8	50
1,2,3-Trichlorobenzene	ND		ug/kg	280	8.2	50
1,2,4-Trichlorobenzene	ND		ug/kg	280	10.	50
Methyl Acetate	ND		ug/kg	1100	15.	50
Cyclohexane	ND		ug/kg	1100	8.1	50
1,4-Dioxane	ND		ug/kg	5600	800	50
Freon-113	ND		ug/kg	1100	15.	50
Methyl cyclohexane	ND		ug/kg	220	8.6	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-16
Client ID: SP-29-4-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 11:54
Analyst: BN
Percent Solids: 92%

Date Collected: 10/17/14 10:20
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.24	J	ug/kg	1.6	0.21	1
Ethylbenzene	0.24	J	ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-16**Date Collected:** 10/17/14 10:20**Client ID:** SP-29-4-101714**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	1.2	J	ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	2.7	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.43	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
Methyl Acetate	ND		ug/kg	22	0.30	1
Cyclohexane	ND		ug/kg	22	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	22	0.30	1
Methyl cyclohexane	ND		ug/kg	4.4	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-17
Client ID: SP-30-4-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/25/14 17:57
Analyst: JC
Percent Solids: 82%

Date Collected: 10/17/14 11:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	38		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-17**Date Collected:** 10/17/14 11:15**Client ID:** SP-30-4-101714**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	0.47	J	ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	ND		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
Methyl Acetate	ND		ug/kg	24	0.33	1
Cyclohexane	ND		ug/kg	24	0.18	1
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	24	0.33	1
Methyl cyclohexane	ND		ug/kg	4.9	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-18 D
Client ID: SP-31-1-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 13:13
Analyst: BN
Percent Solids: 86%

Date Collected: 10/17/14 11:40
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	580	64.	50
1,1-Dichloroethane	ND		ug/kg	88	5.0	50
Chloroform	ND		ug/kg	88	22.	50
Carbon tetrachloride	ND		ug/kg	58	12.	50
1,2-Dichloropropane	ND		ug/kg	200	13.	50
Dibromochloromethane	ND		ug/kg	58	9.0	50
1,1,2-Trichloroethane	ND		ug/kg	88	18.	50
Tetrachloroethene	ND		ug/kg	58	8.2	50
Chlorobenzene	ND		ug/kg	58	20.	50
Trichlorofluoromethane	ND		ug/kg	290	23.	50
1,2-Dichloroethane	ND		ug/kg	58	6.6	50
1,1,1-Trichloroethane	250		ug/kg	58	6.5	50
Bromodichloromethane	ND		ug/kg	58	10.	50
trans-1,3-Dichloropropene	ND		ug/kg	58	7.1	50
cis-1,3-Dichloropropene	ND		ug/kg	58	6.9	50
Bromoform	ND		ug/kg	230	14.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	58	5.9	50
Benzene	ND		ug/kg	58	6.9	50
Toluene	25	J	ug/kg	88	11.	50
Ethylbenzene	17	J	ug/kg	58	7.4	50
Chloromethane	ND		ug/kg	290	17.	50
Bromomethane	ND		ug/kg	120	20.	50
Vinyl chloride	ND		ug/kg	120	6.9	50
Chloroethane	ND		ug/kg	120	18.	50
1,1-Dichloroethene	ND		ug/kg	58	15.	50
trans-1,2-Dichloroethene	ND		ug/kg	88	12.	50
Trichloroethene	2000		ug/kg	58	7.3	50
1,2-Dichlorobenzene	ND		ug/kg	290	9.0	50
1,3-Dichlorobenzene	ND		ug/kg	290	7.9	50
1,4-Dichlorobenzene	ND		ug/kg	290	8.1	50

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-18 D**Date Collected:** 10/17/14 11:40**Client ID:** SP-31-1-101714**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	120	4.9	50
p/m-Xylene	79	J	ug/kg	120	12.	50
o-Xylene	26	J	ug/kg	120	10.	50
cis-1,2-Dichloroethene	44	J	ug/kg	58	8.4	50
Styrene	ND		ug/kg	120	24.	50
Dichlorodifluoromethane	ND		ug/kg	580	11.	50
Acetone	ND		ug/kg	580	60.	50
Carbon disulfide	ND		ug/kg	580	64.	50
2-Butanone	ND		ug/kg	580	16.	50
4-Methyl-2-pentanone	ND		ug/kg	580	14.	50
2-Hexanone	ND		ug/kg	580	39.	50
Bromochloromethane	ND		ug/kg	290	16.	50
1,2-Dibromoethane	ND		ug/kg	230	10.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	290	23.	50
Isopropylbenzene	ND		ug/kg	58	6.1	50
1,2,3-Trichlorobenzene	ND		ug/kg	290	8.6	50
1,2,4-Trichlorobenzene	ND		ug/kg	290	11.	50
Methyl Acetate	ND		ug/kg	1200	16.	50
Cyclohexane	27	J	ug/kg	1200	8.5	50
1,4-Dioxane	ND		ug/kg	5800	840	50
Freon-113	ND		ug/kg	1200	16.	50
Methyl cyclohexane	130	J	ug/kg	230	9.0	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-19
Client ID: SP-32-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/24/14 13:40
Analyst: BN
Percent Solids: 83%

Date Collected: 10/17/14 12:00
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.31	J	ug/kg	1.8	0.23	1
Ethylbenzene	0.28	J	ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.17	1

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-19**Date Collected:** 10/17/14 12:00**Client ID:** SP-32-2-101714**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	1.2	J	ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	5.1	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
Methyl Acetate	ND		ug/kg	24	0.32	1
Cyclohexane	ND		ug/kg	24	0.18	1
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	24	0.33	1
Methyl cyclohexane	ND		ug/kg	4.8	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-20 D
Client ID: SP-34-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/25/14 18:24
Analyst: JC
Percent Solids: 84%

Date Collected: 10/17/14 12:30
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	3.3	2.5
1,1-Dichloroethane	ND		ug/kg	4.4	0.25	2.5
Chloroform	ND		ug/kg	4.4	1.1	2.5
Carbon tetrachloride	ND		ug/kg	3.0	0.62	2.5
1,2-Dichloropropane	ND		ug/kg	10	0.68	2.5
Dibromochloromethane	ND		ug/kg	3.0	0.45	2.5
1,1,2-Trichloroethane	ND		ug/kg	4.4	0.90	2.5
Tetrachloroethene	2.5	J	ug/kg	3.0	0.42	2.5
Chlorobenzene	ND		ug/kg	3.0	1.0	2.5
Trichlorofluoromethane	ND		ug/kg	15	1.1	2.5
1,2-Dichloroethane	ND		ug/kg	3.0	0.34	2.5
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.33	2.5
Bromodichloromethane	ND		ug/kg	3.0	0.51	2.5
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.36	2.5
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.35	2.5
Bromoform	ND		ug/kg	12	0.70	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.30	2.5
Benzene	ND		ug/kg	3.0	0.35	2.5
Toluene	ND		ug/kg	4.4	0.58	2.5
Ethylbenzene	ND		ug/kg	3.0	0.38	2.5
Chloromethane	ND		ug/kg	15	0.87	2.5
Bromomethane	ND		ug/kg	5.9	1.0	2.5
Vinyl chloride	ND		ug/kg	5.9	0.35	2.5
Chloroethane	ND		ug/kg	5.9	0.94	2.5
1,1-Dichloroethene	ND		ug/kg	3.0	0.78	2.5
trans-1,2-Dichloroethene	ND		ug/kg	4.4	0.63	2.5
Trichloroethene	94		ug/kg	3.0	0.37	2.5
1,2-Dichlorobenzene	ND		ug/kg	15	0.45	2.5
1,3-Dichlorobenzene	ND		ug/kg	15	0.40	2.5
1,4-Dichlorobenzene	ND		ug/kg	15	0.41	2.5

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-20 D**Date Collected:** 10/17/14 12:30**Client ID:** SP-34-2-101714**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	0.25	2.5
p/m-Xylene	ND		ug/kg	5.9	0.58	2.5
o-Xylene	ND		ug/kg	5.9	0.51	2.5
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.42	2.5
Styrene	ND		ug/kg	5.9	1.2	2.5
Dichlorodifluoromethane	ND		ug/kg	30	0.56	2.5
Acetone	12	J	ug/kg	30	3.1	2.5
Carbon disulfide	ND		ug/kg	30	3.3	2.5
2-Butanone	ND		ug/kg	30	0.80	2.5
4-Methyl-2-pentanone	ND		ug/kg	30	0.72	2.5
2-Hexanone	ND		ug/kg	30	2.0	2.5
Bromochloromethane	ND		ug/kg	15	0.82	2.5
1,2-Dibromoethane	ND		ug/kg	12	0.52	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	1.2	2.5
Isopropylbenzene	ND		ug/kg	3.0	0.31	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	15	0.44	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	15	0.54	2.5
Methyl Acetate	ND		ug/kg	59	0.80	2.5
Cyclohexane	ND		ug/kg	59	0.43	2.5
1,4-Dioxane	ND		ug/kg	300	43.	2.5
Freon-113	ND		ug/kg	59	0.81	2.5
Methyl cyclohexane	1.1	J	ug/kg	12	0.46	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/24/14 09:16
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04,06-12 Batch: WG734198-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/24/14 09:16
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04,06-12 Batch: WG734198-3					
1,4-Dichlorobenzene	0.54	J	ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/24/14 09:16

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04,06-12 Batch: WG734198-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/25/14 09:59
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,17,20 Batch: WG734237-6					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/25/14 09:59
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,17,20 Batch: WG734237-6					
1,4-Dichlorobenzene	0.64	J	ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/25/14 09:59

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,17,20 Batch: WG734237-6					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/24/14 08:50
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16,18-19 Batch: WG734594-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.34	J	ug/kg	1.5	0.19
Ethylbenzene	0.31	J	ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/24/14 08:50
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16,18-19 Batch: WG734594-3					
1,4-Dichlorobenzene	0.51	J	ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	1.4	J	ug/kg	2.0	0.20
o-Xylene	0.25	J	ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/24/14 08:50

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16,18-19 Batch: WG734594-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/26/14 09:51
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13-14 Batch: WG734677-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/26/14 09:51
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13-14 Batch: WG734677-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/26/14 09:51

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13-14 Batch: WG734677-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04,06-12 Batch: WG734198-1 WG734198-2								
Methylene chloride	114		112		70-130	2		30
1,1-Dichloroethane	114		110		70-130	4		30
Chloroform	118		115		70-130	3		30
Carbon tetrachloride	109		102		70-130	7		30
1,2-Dichloropropane	113		111		70-130	2		30
Dibromochloromethane	104		103		70-130	1		30
2-Chloroethylvinyl ether	104		105		70-130	1		30
1,1,2-Trichloroethane	102		103		70-130	1		30
Tetrachloroethene	104		98		70-130	6		30
Chlorobenzene	104		101		70-130	3		30
Trichlorofluoromethane	140	Q	126		70-139	11		30
1,2-Dichloroethane	117		116		70-130	1		30
1,1,1-Trichloroethane	122		114		70-130	7		30
Bromodichloromethane	119		118		70-130	1		30
trans-1,3-Dichloropropene	103		102		70-130	1		30
cis-1,3-Dichloropropene	118		117		70-130	1		30
1,1-Dichloropropene	114		109		70-130	4		30
Bromoform	89		90		70-130	1		30
1,1,2,2-Tetrachloroethane	95		95		70-130	0		30
Benzene	116		112		70-130	4		30
Toluene	100		96		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04,06-12 Batch: WG734198-1 WG734198-2								
Ethylbenzene	103		99		70-130	4		30
Chloromethane	109		104		52-130	5		30
Bromomethane	148	Q	145		57-147	2		30
Vinyl chloride	120		112		67-130	7		30
Chloroethane	138		131		50-151	5		30
1,1-Dichloroethene	119		111		65-135	7		30
trans-1,2-Dichloroethene	118		112		70-130	5		30
Trichloroethene	120		114		70-130	5		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	99		94		70-130	5		30
1,4-Dichlorobenzene	98		95		70-130	3		30
Methyl tert butyl ether	118		116		66-130	2		30
p/m-Xylene	105		100		70-130	5		30
o-Xylene	106		102		70-130	4		30
cis-1,2-Dichloroethene	121		116		70-130	4		30
Dibromomethane	118		117		70-130	1		30
Styrene	106		102		70-130	4		30
Dichlorodifluoromethane	84		75		30-146	11		30
Acetone	121		125		54-140	3		30
Carbon disulfide	112		104		59-130	7		30
2-Butanone	115		109		70-130	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04,06-12 Batch: WG734198-1 WG734198-2								
Vinyl acetate	113		114		70-130	1		30
4-Methyl-2-pentanone	101		101		70-130	0		30
1,2,3-Trichloropropane	91		95		68-130	4		30
2-Hexanone	84		84		70-130	0		30
Bromochloromethane	128		126		70-130	2		30
2,2-Dichloropropane	122		116		70-130	5		30
1,2-Dibromoethane	102		103		70-130	1		30
1,3-Dichloropropane	102		101		69-130	1		30
1,1,1,2-Tetrachloroethane	105		103		70-130	2		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	96		92		70-130	4		30
sec-Butylbenzene	97		91		70-130	6		30
tert-Butylbenzene	95		91		70-130	4		30
o-Chlorotoluene	90		95		70-130	5		30
p-Chlorotoluene	96		94		70-130	2		30
1,2-Dibromo-3-chloropropane	92		91		68-130	1		30
Hexachlorobutadiene	97		91		67-130	6		30
Isopropylbenzene	96		90		70-130	6		30
p-Isopropyltoluene	96		90		70-130	6		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	111		115		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04,06-12 Batch: WG734198-1 WG734198-2								
Isopropyl Ether	110		109		66-130	1		30
tert-Butyl Alcohol	105		106		70-130	1		30
n-Propylbenzene	97		93		70-130	4		30
1,2,3-Trichlorobenzene	95		92		70-130	3		30
1,2,4-Trichlorobenzene	96		92		70-130	4		30
1,3,5-Trimethylbenzene	98		94		70-130	4		30
1,2,4-Trimethylbenzene	97		93		70-130	4		30
Methyl Acetate	106		112		51-146	6		30
Ethyl Acetate	103		107		70-130	4		30
Cyclohexane	110		102		59-142	8		30
1,4-Dioxane	105		116		65-136	10		30
Freon-113	118		107		50-139	10		30
1,4-Diethylbenzene	102		96		70-130	6		30
4-Ethyltoluene	100		97		70-130	3		30
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		30
Tetrahydrofuran	110		113		66-130	3		30
Ethyl ether	124		124		67-130	0		30
trans-1,4-Dichloro-2-butene	93		96		70-130	3		30
Methyl cyclohexane	112		102		70-130	9		30
Ethyl-Tert-Butyl-Ether	112		113		70-130	1		30
Tertiary-Amyl Methyl Ether	114		114		70-130	0		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04,06-12 Batch: WG734198-1 WG734198-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	93		94		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	111		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,17,20 Batch: WG734237-4 WG734237-5								
Methylene chloride	99		95		70-130	4		30
1,1-Dichloroethane	107		104		70-130	3		30
Chloroform	104		102		70-130	2		30
Carbon tetrachloride	110		103		70-130	7		30
1,2-Dichloropropane	103		101		70-130	2		30
Dibromochloromethane	85		86		70-130	1		30
2-Chloroethylvinyl ether	82		85		70-130	4		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	104		100		70-130	4		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	111		103		70-139	7		30
1,2-Dichloroethane	100		101		70-130	1		30
1,1,1-Trichloroethane	111		105		70-130	6		30
Bromodichloromethane	97		96		70-130	1		30
trans-1,3-Dichloropropene	91		92		70-130	1		30
cis-1,3-Dichloropropene	100		102		70-130	2		30
1,1-Dichloropropene	110		103		70-130	7		30
Bromoform	73		74		70-130	1		30
1,1,2,2-Tetrachloroethane	83		86		70-130	4		30
Benzene	110		107		70-130	3		30
Toluene	95		93		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,17,20 Batch: WG734237-4 WG734237-5								
Ethylbenzene	95		91		70-130	4		30
Chloromethane	108		104		52-130	4		30
Bromomethane	86		84		57-147	2		30
Vinyl chloride	89		85		67-130	5		30
Chloroethane	89		88		50-151	1		30
1,1-Dichloroethene	108		101		65-135	7		30
trans-1,2-Dichloroethene	111		106		70-130	5		30
Trichloroethene	110		106		70-130	4		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	94		96		66-130	2		30
p/m-Xylene	98		94		70-130	4		30
o-Xylene	98		96		70-130	2		30
cis-1,2-Dichloroethene	108		107		70-130	1		30
Dibromomethane	99		100		70-130	1		30
Styrene	98		96		70-130	2		30
Dichlorodifluoromethane	101		93		30-146	8		30
Acetone	83		78		54-140	6		30
Carbon disulfide	72		67		59-130	7		30
2-Butanone	75		79		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Project Number: 31.0180045.10

Lab Number: L1424863

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,17,20 Batch: WG734237-4 WG734237-5								
Vinyl acetate	92		93		70-130	1		30
4-Methyl-2-pentanone	79		81		70-130	3		30
1,2,3-Trichloropropane	85		87		68-130	2		30
2-Hexanone	61	Q	64	Q	70-130	5		30
Bromochloromethane	110		107		70-130	3		30
2,2-Dichloropropane	114		108		70-130	5		30
1,2-Dibromoethane	91		93		70-130	2		30
1,3-Dichloropropane	93		95		69-130	2		30
1,1,1,2-Tetrachloroethane	98		96		70-130	2		30
Bromobenzene	93		93		70-130	0		30
n-Butylbenzene	102		98		70-130	4		30
sec-Butylbenzene	99		95		70-130	4		30
tert-Butylbenzene	98		95		70-130	3		30
o-Chlorotoluene	98		96		70-130	2		30
p-Chlorotoluene	97		96		70-130	1		30
1,2-Dibromo-3-chloropropane	72		73		68-130	1		30
Hexachlorobutadiene	100		96		67-130	4		30
Isopropylbenzene	96		92		70-130	4		30
p-Isopropyltoluene	100		96		70-130	4		30
Naphthalene	82		83		70-130	1		30
Acrylonitrile	95		97		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,17,20 Batch: WG734237-4 WG734237-5								
Isopropyl Ether	97		96		66-130	1		30
tert-Butyl Alcohol	75		80		70-130	6		30
n-Propylbenzene	97		94		70-130	3		30
1,2,3-Trichlorobenzene	92		93		70-130	1		30
1,2,4-Trichlorobenzene	99		98		70-130	1		30
1,3,5-Trimethylbenzene	99		96		70-130	3		30
1,2,4-Trimethylbenzene	97		96		70-130	1		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	84		86		70-130	2		30
Acrolein	90		92		70-130	2		30
Cyclohexane	107		97		59-142	10		30
1,4-Dioxane	79		82		65-136	4		30
Freon-113	113		102		50-139	10		30
1,4-Diethylbenzene	98		94		70-130	4		30
4-Ethyltoluene	97		94		70-130	3		30
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		30
Tetrahydrofuran	79		83		66-130	5		30
Ethyl ether	96		97		67-130	1		30
trans-1,4-Dichloro-2-butene	80		82		70-130	2		30
Methyl cyclohexane	106		97		70-130	9		30
Ethyl-Tert-Butyl-Ether	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,17,20 Batch: WG734237-4 WG734237-5								
Tertiary-Amyl Methyl Ether	95		98		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18-19 Batch: WG734594-1 WG734594-2								
Methylene chloride	97		98		70-130	1		30
1,1-Dichloroethane	103		103		70-130	0		30
Chloroform	106		108		70-130	2		30
Carbon tetrachloride	107		101		70-130	6		30
1,2-Dichloropropane	112		115		70-130	3		30
Dibromochloromethane	87		92		70-130	6		30
2-Chloroethylvinyl ether	103		107		70-130	4		30
1,1,2-Trichloroethane	85		89		70-130	5		30
Tetrachloroethene	95		94		70-130	1		30
Chlorobenzene	90		91		70-130	1		30
Trichlorofluoromethane	66	Q	61	Q	70-139	8		30
1,2-Dichloroethane	102		106		70-130	4		30
1,1,1-Trichloroethane	110		104		70-130	6		30
Bromodichloromethane	110		112		70-130	2		30
trans-1,3-Dichloropropene	87		92		70-130	6		30
cis-1,3-Dichloropropene	116		119		70-130	3		30
1,1-Dichloropropene	109		105		70-130	4		30
Bromoform	82		87		70-130	6		30
1,1,2,2-Tetrachloroethane	84		89		70-130	6		30
Benzene	110		110		70-130	0		30
Toluene	87		87		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18-19 Batch: WG734594-1 WG734594-2								
Ethylbenzene	90		90		70-130	0		30
Chloromethane	100		96		52-130	4		30
Bromomethane	71		68		57-147	4		30
Vinyl chloride	87		80		67-130	8		30
Chloroethane	73		70		50-151	4		30
1,1-Dichloroethene	99		95		65-135	4		30
trans-1,2-Dichloroethene	105		101		70-130	4		30
Trichloroethene	115		113		70-130	2		30
1,2-Dichlorobenzene	86		88		70-130	2		30
1,3-Dichlorobenzene	87		88		70-130	1		30
1,4-Dichlorobenzene	87		90		70-130	3		30
Methyl tert butyl ether	99		104		66-130	5		30
p/m-Xylene	91		92		70-130	1		30
o-Xylene	88		89		70-130	1		30
cis-1,2-Dichloroethene	108		110		70-130	2		30
Dibromomethane	106		109		70-130	3		30
Styrene	88		90		70-130	2		30
Dichlorodifluoromethane	64		59		30-146	8		30
Acetone	99		101		54-140	2		30
Carbon disulfide	95		91		59-130	4		30
2-Butanone	90		96		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18-19 Batch: WG734594-1 WG734594-2								
Vinyl acetate	89		92		70-130	3		30
4-Methyl-2-pentanone	105		110		70-130	5		30
1,2,3-Trichloropropane	81		86		68-130	6		30
2-Hexanone	68	Q	72		70-130	6		30
Bromochloromethane	113		116		70-130	3		30
2,2-Dichloropropane	114		110		70-130	4		30
1,2-Dibromoethane	86		92		70-130	7		30
1,3-Dichloropropane	86		90		69-130	5		30
1,1,1,2-Tetrachloroethane	90		92		70-130	2		30
Bromobenzene	85		88		70-130	3		30
n-Butylbenzene	86		84		70-130	2		30
sec-Butylbenzene	86		85		70-130	1		30
tert-Butylbenzene	85		83		70-130	2		30
o-Chlorotoluene	91		92		70-130	1		30
p-Chlorotoluene	86		88		70-130	2		30
1,2-Dibromo-3-chloropropane	88		91		68-130	3		30
Hexachlorobutadiene	112		109		67-130	3		30
Isopropylbenzene	83		82		70-130	1		30
p-Isopropyltoluene	85		84		70-130	1		30
Naphthalene	78		81		70-130	4		30
Acrylonitrile	106		112		70-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18-19 Batch: WG734594-1 WG734594-2								
Isopropyl Ether	96		100		66-130	4		30
tert-Butyl Alcohol	105		111		70-130	6		30
n-Propylbenzene	86		85		70-130	1		30
1,2,3-Trichlorobenzene	96		99		70-130	3		30
1,2,4-Trichlorobenzene	99		102		70-130	3		30
1,3,5-Trimethylbenzene	86		86		70-130	0		30
1,2,4-Trimethylbenzene	86		88		70-130	2		30
Methyl Acetate	88		96		51-146	9		30
Ethyl Acetate	86		93		70-130	8		30
Cyclohexane	107		101		59-142	6		30
1,4-Dioxane	113		119		65-136	5		30
Freon-113	99		93		50-139	6		30
1,4-Diethylbenzene	93		92		70-130	1		30
4-Ethyltoluene	92		92		70-130	0		30
1,2,4,5-Tetramethylbenzene	88		90		70-130	2		30
Tetrahydrofuran	96		102		66-130	6		30
Ethyl ether	71		72		67-130	1		30
trans-1,4-Dichloro-2-butene	89		95		70-130	7		30
Methyl cyclohexane	108		100		70-130	8		30
Ethyl-Tert-Butyl-Ether	103		107		70-130	4		30
Tertiary-Amyl Methyl Ether	106		111		70-130	5		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18-19 Batch: WG734594-1 WG734594-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	88		87		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	103		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG734677-1 WG734677-2								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	108		104		70-130	4		30
Chloroform	106		104		70-130	2		30
Carbon tetrachloride	111		107		70-130	4		30
1,2-Dichloropropane	101		99		70-130	2		30
Dibromochloromethane	96		95		70-130	1		30
2-Chloroethylvinyl ether	88		84		70-130	5		30
1,1,2-Trichloroethane	98		94		70-130	4		30
Tetrachloroethene	109		105		70-130	4		30
Chlorobenzene	103		99		70-130	4		30
Trichlorofluoromethane	114		108		70-139	5		30
1,2-Dichloroethane	105		102		70-130	3		30
1,1,1-Trichloroethane	113		108		70-130	5		30
Bromodichloromethane	101		99		70-130	2		30
trans-1,3-Dichloropropene	101		98		70-130	3		30
cis-1,3-Dichloropropene	101		98		70-130	3		30
1,1-Dichloropropene	110		106		70-130	4		30
Bromoform	90		89		70-130	1		30
1,1,2,2-Tetrachloroethane	90		88		70-130	2		30
Benzene	107		103		70-130	4		30
Toluene	106		103		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG734677-1 WG734677-2								
Ethylbenzene	109		105		70-130	4		30
Chloromethane	110		100		52-130	10		30
Bromomethane	115		110		57-147	4		30
Vinyl chloride	107		98		67-130	9		30
Chloroethane	116		107		50-151	8		30
1,1-Dichloroethene	109		103		65-135	6		30
trans-1,2-Dichloroethene	107		101		70-130	6		30
Trichloroethene	110		107		70-130	3		30
1,2-Dichlorobenzene	97		95		70-130	2		30
1,3-Dichlorobenzene	102		102		70-130	0		30
1,4-Dichlorobenzene	108		107		70-130	1		30
Methyl tert butyl ether	97		92		66-130	5		30
p/m-Xylene	111		107		70-130	4		30
o-Xylene	109		106		70-130	3		30
cis-1,2-Dichloroethene	104		103		70-130	1		30
Dibromomethane	99		95		70-130	4		30
Styrene	108		106		70-130	2		30
Dichlorodifluoromethane	101		94		30-146	7		30
Acetone	96		89		54-140	8		30
Carbon disulfide	83		78		59-130	6		30
2-Butanone	88		87		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG734677-1 WG734677-2								
Vinyl acetate	103		98		70-130	5		30
4-Methyl-2-pentanone	82		80		70-130	2		30
1,2,3-Trichloropropane	94		91		68-130	3		30
2-Hexanone	81		74		70-130	9		30
Bromochloromethane	102		98		70-130	4		30
2,2-Dichloropropane	113		108		70-130	5		30
1,2-Dibromoethane	95		93		70-130	2		30
1,3-Dichloropropane	98		93		69-130	5		30
1,1,1,2-Tetrachloroethane	102		99		70-130	3		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	118		116		70-130	2		30
sec-Butylbenzene	109		106		70-130	3		30
tert-Butylbenzene	106		103		70-130	3		30
o-Chlorotoluene	98		96		70-130	2		30
p-Chlorotoluene	107		105		70-130	2		30
1,2-Dibromo-3-chloropropane	80		78		68-130	3		30
Hexachlorobutadiene	103		101		67-130	2		30
Isopropylbenzene	109		107		70-130	2		30
p-Isopropyltoluene	110		108		70-130	2		30
Naphthalene	88		84		70-130	5		30
Acrylonitrile	100		90		70-130	11		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG734677-1 WG734677-2								
Isopropyl Ether	102		99		66-130	3		30
tert-Butyl Alcohol	76		73		70-130	4		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	96		94		70-130	2		30
1,2,4-Trichlorobenzene	101		99		70-130	2		30
1,3,5-Trimethylbenzene	109		107		70-130	2		30
1,2,4-Trimethylbenzene	110		108		70-130	2		30
Methyl Acetate	95		90		51-146	5		30
Ethyl Acetate	99		92		70-130	7		30
Cyclohexane	108		100		59-142	8		30
1,4-Dioxane	76		75		65-136	1		30
Freon-113	113		103		50-139	9		30
1,4-Diethylbenzene	116		114		70-130	2		30
4-Ethyltoluene	113		112		70-130	1		30
1,2,4,5-Tetramethylbenzene	110		109		70-130	1		30
Tetrahydrofuran	98		89		66-130	10		30
Ethyl ether	93		89		67-130	4		30
trans-1,4-Dichloro-2-butene	97		91		70-130	6		30
Methyl cyclohexane	107		99		70-130	8		30
Ethyl-Tert-Butyl-Ether	100		97		70-130	3		30
Tertiary-Amyl Methyl Ether	96		94		70-130	2		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG734677-1 WG734677-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		104		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	104		102		70-130

PETROLEUM HYDROCARBONS

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-01
Client ID: SP-4-8-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/21/14 22:29
Analyst: BS
Percent Solids: 83%

Date Collected: 10/15/14 11:40
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	4800		ug/kg	2900	57.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	89		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-01 D
Client ID: SP-4-8-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 12:05
Analyst: AR
Percent Solids: 83%

Date Collected: 10/15/14 11:40
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	4500000		ug/kg	787000	53600	20
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-02
Client ID: SP-5-4-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 10:36
Analyst: BS
Percent Solids: 83%

Date Collected: 10/15/14 12:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	2300	J	ug/kg	3000	57.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	88		70-130
4-Bromofluorobenzene	95		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-02
Client ID: SP-5-4-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 20:39
Analyst: AR
Percent Solids: 83%

Date Collected: 10/15/14 12:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	210000		ug/kg	39000	2660	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-03
Client ID: SP-6-6-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 12:33
Analyst: BS
Percent Solids: 83%

Date Collected: 10/15/14 13:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	3000	57.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	83		70-130
4-Bromofluorobenzene	84		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-03
Client ID: SP-6-6-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 22:51
Analyst: AR
Percent Solids: 83%

Date Collected: 10/15/14 13:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	27200	J	ug/kg	38900	2650	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-04
Client ID: SP-7-3-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 13:12
Analyst: BS
Percent Solids: 72%

Date Collected: 10/15/14 13:25
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	3400	66.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	92		70-130
4-Bromofluorobenzene	95		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-04
Client ID: SP-7-3-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 22:18
Analyst: AR
Percent Solids: 72%

Date Collected: 10/15/14 13:25
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	213000		ug/kg	46600	3180	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-05
Client ID: SP-8-8-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 17:44
Analyst: BS
Percent Solids: 80%

Date Collected: 10/15/14 14:00
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	9300		ug/kg	3000	59.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	86		70-130
4-Bromofluorobenzene	87		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-05
Client ID: SP-8-8-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 19:33
Analyst: AR
Percent Solids: 80%

Date Collected: 10/15/14 14:00
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	260000		ug/kg	40700	2770	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	92		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-06
Client ID: SP-10-4-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 13:51
Analyst: BS
Percent Solids: 85%

Date Collected: 10/15/14 15:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	2400	J	ug/kg	2900	56.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	97		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-06
Client ID: SP-10-4-101514
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 20:06
Analyst: AR
Percent Solids: 85%

Date Collected: 10/15/14 15:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	431000		ug/kg	37800	2580	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-07
Client ID: SP-13-7-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 14:30
Analyst: BS
Percent Solids: 82%

Date Collected: 10/16/14 09:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	3000	57.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	88		70-130
4-Bromofluorobenzene	97		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-07
Client ID: SP-13-7-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 22:18
Analyst: AR
Percent Solids: 82%

Date Collected: 10/16/14 09:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	11800	J	ug/kg	38400	2620	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-08
Client ID: SP-14-4-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 15:08
Analyst: BS
Percent Solids: 83%

Date Collected: 10/16/14 10:00
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	3000	58.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	86		70-130
4-Bromofluorobenzene	94		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-08
Client ID: SP-14-4-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 17:54
Analyst: AR
Percent Solids: 83%

Date Collected: 10/16/14 10:00
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	5630	J	ug/kg	39700	2710	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-09
Client ID: SP-15-5-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 15:47
Analyst: BS
Percent Solids: 93%

Date Collected: 10/16/14 10:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	2600	50.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	98		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-09
Client ID: SP-15-5-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 21:12
Analyst: AR
Percent Solids: 93%

Date Collected: 10/16/14 10:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	129000		ug/kg	34800	2370	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-10
Client ID: SP-16-6-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 16:26
Analyst: BS
Percent Solids: 87%

Date Collected: 10/16/14 10:45
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	2800	54.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84		70-130
4-Bromofluorobenzene	89		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-10
Client ID: SP-16-6-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 21:45
Analyst: AR
Percent Solids: 87%

Date Collected: 10/16/14 10:45
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	37900		ug/kg	37600	2560	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-11
Client ID: SP-19-9-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 18:23
Analyst: BS
Percent Solids: 89%

Date Collected: 10/16/14 12:05
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	56000		ug/kg	2800	53.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	88		70-130
4-Bromofluorobenzene	73		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-11 D
Client ID: SP-19-9-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 23:47
Analyst: AR
Percent Solids: 89%

Date Collected: 10/16/14 12:05
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	1020000		ug/kg	186000	12700	5
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-12 D
Client ID: SP-24-3-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 19:02
Analyst: BS
Percent Solids: 79%

Date Collected: 10/16/14 14:20
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	420000		ug/kg	12000	240	4
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	86		70-130
4-Bromofluorobenzene	66	Q	70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-12 D
Client ID: SP-24-3-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 22:38
Analyst: AR
Percent Solids: 79%

Date Collected: 10/16/14 14:20
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	7910000		ug/kg	2040000	139000	50
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	0	Q	40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-13
Client ID: SP-26-4-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 17:05
Analyst: BS
Percent Solids: 77%

Date Collected: 10/16/14 15:25
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	5100		ug/kg	3100	60.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100		70-130
4-Bromofluorobenzene	82		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-13 D
Client ID: SP-26-4-101614
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 22:03
Analyst: AR
Percent Solids: 77%

Date Collected: 10/16/14 15:25
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	5560000		ug/kg	842000	57400	20
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-14
Client ID: SP-27-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 18:59
Analyst: AR
Percent Solids: 79%

Date Collected: 10/17/14 09:25
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	28700	J	ug/kg	41200	2810	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	92		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-14
Client ID: SP-27-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 10:26
Analyst: BS
Percent Solids: 79%

Date Collected: 10/17/14 09:25
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	3100	59.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	106		70-130
4-Bromofluorobenzene	91		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-15
Client ID: SP-28-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 20:39
Analyst: AR
Percent Solids: 90%

Date Collected: 10/17/14 09:50
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	42600		ug/kg	36100	2460	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-15
Client ID: SP-28-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 12:23
Analyst: BS
Percent Solids: 90%

Date Collected: 10/17/14 09:50
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	2900		ug/kg	2600	50.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	125		70-130
4-Bromofluorobenzene	93		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-16
Client ID: SP-29-4-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 18:27
Analyst: AR
Percent Solids: 92%

Date Collected: 10/17/14 10:20
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	29600	J	ug/kg	35700	2430	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-16
Client ID: SP-29-4-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 13:02
Analyst: BS
Percent Solids: 92%

Date Collected: 10/17/14 10:20
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	2700	52.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	99		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-17
Client ID: SP-30-4-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 21:12
Analyst: AR
Percent Solids: 82%

Date Collected: 10/17/14 11:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	34700	J	ug/kg	39300	2680	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-17
Client ID: SP-30-4-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 13:40
Analyst: BS
Percent Solids: 82%

Date Collected: 10/17/14 11:15
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	3000	58.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	108		70-130
4-Bromofluorobenzene	96		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-18
Client ID: SP-31-1-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 22:51
Analyst: AR
Percent Solids: 86%

Date Collected: 10/17/14 11:40
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	64800		ug/kg	38500	2620	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-18
Client ID: SP-31-1-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 14:19
Analyst: BS
Percent Solids: 86%

Date Collected: 10/17/14 11:40
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	4900		ug/kg	2900	56.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	203	Q	70-130
4-Bromofluorobenzene	93		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-19
Client ID: SP-32-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 21:45
Analyst: AR
Percent Solids: 83%

Date Collected: 10/17/14 12:00
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/21/14 17:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	18000	J	ug/kg	38900	2650	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-19
Client ID: SP-32-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 14:58
Analyst: BS
Percent Solids: 83%

Date Collected: 10/17/14 12:00
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	ND		ug/kg	2900	56.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		70-130
4-Bromofluorobenzene	92		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-20
Client ID: SP-34-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 10:55
Analyst: AR
Percent Solids: 84%

Date Collected: 10/17/14 12:30
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/22/14 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH	219000		ug/kg	38600	2630	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS**

Lab ID: L1424863-20
Client ID: SP-34-2-101714
Sample Location: 537 EAST DELAVAN AVE., BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/23/14 15:37
Analyst: BS
Percent Solids: 84%

Date Collected: 10/17/14 12:30
Date Received: 10/17/14
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Gasoline Range Organics - Westborough Lab

Gasoline Range Organics	2000	J	ug/kg	2900	56.	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	92		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8015C(M)
 Analytical Date: 10/21/14 09:54
 Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01 Batch: WG732809-8					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	104		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8015C(M)
Analytical Date: 10/22/14 17:54
Analyst: AR**Extraction Method:** EPA 3546
Extraction Date: 10/21/14 17:58

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-19 Batch: WG733126-1					
TPH	3230	J	ug/kg	32900	2240

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	107		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8015C(M)
Analytical Date: 10/23/14 09:10
Analyst: AR**Extraction Method:** EPA 3546
Extraction Date: 10/22/14 05:30

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 20 Batch: WG733262-1					
TPH	ND		ug/kg	32300	2200

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	104		40-140

Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 10/22/14 09:57
Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02-13 Batch: WG733689-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	95		70-130
4-Bromofluorobenzene	107		70-130

Project Name: FORMER HOUDAILLE/VIBRATECH

Lab Number: L1424863

Project Number: 31.0180045.10

Report Date: 10/27/14

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8015C(M)
 Analytical Date: 10/23/14 09:47
 Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 14-20 Batch: WG734076-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	89		70-130
4-Bromofluorobenzene	100		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01 Batch: WG732809-6 WG732809-7								
Gasoline Range Organics	81		86		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		97		70-130
4-Bromofluorobenzene	99		106		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-19 Batch: WG733126-2								
TPH	89		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 20 Batch: WG733262-2								
TPH	119		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	100				40-140

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-13 Batch: WG733689-1 WG733689-2								
Gasoline Range Organics	83		85		80-120	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	101		97		70-130
4-Bromofluorobenzene	108		104		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 14-20 Batch: WG734076-1 WG734076-2								
Gasoline Range Organics	82		90		80-120	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	102		104		70-130
4-Bromofluorobenzene	109		113		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

<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>
Gasoline Range Organics - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732809-5 QC Sample: L1424472-01 Client ID: MS Sample												
Gasoline Range Organics	ND	24200	19000	80		-	-		80-120	-		20

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,1,1-Trifluorotoluene	92				70-130
4-Bromofluorobenzene	97				70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

<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>
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-13 QC Batch ID: WG733689-5 QC Sample: L1424863-02 Client ID: SP-5-4-101514												
Gasoline Range Organics	2300J	23700	23000	99		-	-		80-120	-		20

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,1,1-Trifluorotoluene	101				70-130
4-Bromofluorobenzene	106				70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

<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>
Gasoline Range Organics - Westborough Lab Associated sample(s): 14-20 QC Batch ID: WG734076-5 QC Sample: L1424863-14 Client ID: SP-27-2-101714												
Gasoline Range Organics	ND	24600	21000	84		-	-		80-120	-		20

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,1,1-Trifluorotoluene	118				70-130
4-Bromofluorobenzene	98				70-130

Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1424863
Report Date: 10/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732809-4 QC Sample: L1424472-01 Client ID: DUP Sample						
Gasoline Range Organics	ND	ND	ug/kg	NC		20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	86		84		70-130
4-Bromofluorobenzene	91		90		70-130

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-19 QC Batch ID: WG733126-3 QC Sample: L1424863-01 Client ID: SP-4-8-101514						
TPH	4500000		5170000		14	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96		94		40-140

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Project Number: 31.0180045.10

Lab Number: L1424863

Report Date: 10/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 20 QC Batch ID: WG733262-3 QC Sample: L1424863-20 Client ID: SP-34-2-101714					
TPH	219000	402000	ug/kg	59	Q 40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		99		40-140

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Project Number: 31.0180045.10

Lab Number: L1424863

Report Date: 10/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-13 QC Batch ID: WG733689-4 QC Sample: L1424863-02 Client ID: SP-5-4-101514					
Gasoline Range Organics	2300J	2300J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	88		94		70-130
4-Bromofluorobenzene	95		99		70-130

Lab Duplicate Analysis Batch Quality Control

Project Name: FORMER HOUDAILLE/VIBRATECH

Project Number: 31.0180045.10

Lab Number: L1424863

Report Date: 10/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 14-20 QC Batch ID: WG734076-4 QC Sample: L1424863-14 Client ID: SP-27-2-101714					
Gasoline Range Organics	ND	ND	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	106		115		70-130
4-Bromofluorobenzene	91		99		70-130

INORGANICS & MISCELLANEOUS

Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-01**Client ID:** SP-4-8-101514**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/15/14 11:40**Date Received:** 10/17/14**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	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-02**Date Collected:** 10/15/14 12:15**Client ID:** SP-5-4-101514**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**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	83.4		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-03**Client ID:** SP-6-6-101514**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/15/14 13:15**Date Received:** 10/17/14**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	83.3		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-04**Date Collected:** 10/15/14 13:25**Client ID:** SP-7-3-101514**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**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	71.5		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-05**Client ID:** SP-8-8-101514**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/15/14 14:00**Date Received:** 10/17/14**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	80.2		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-06**Client ID:** SP-10-4-101514**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/15/14 15:15**Date Received:** 10/17/14**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	84.5		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-07**Client ID:** SP-13-7-101614**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/16/14 09:15**Date Received:** 10/17/14**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	82.2		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-08**Client ID:** SP-14-4-101614**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/16/14 10:00**Date Received:** 10/17/14**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	82.8		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-09**Date Collected:** 10/16/14 10:15**Client ID:** SP-15-5-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**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	92.8		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-10**Date Collected:** 10/16/14 10:45**Client ID:** SP-16-6-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**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	87.3		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-11**Client ID:** SP-19-9-101614**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/16/14 12:05**Date Received:** 10/17/14**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	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-12**Date Collected:** 10/16/14 14:20**Client ID:** SP-24-3-101614**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**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	79.1		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-13**Client ID:** SP-26-4-101614**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/16/14 15:25**Date Received:** 10/17/14**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	77.2		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-14**Client ID:** SP-27-2-101714**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/17/14 09:25**Date Received:** 10/17/14**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	79.1		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-15**Client ID:** SP-28-2-101714**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/17/14 09:50**Date Received:** 10/17/14**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	89.9		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-16**Client ID:** SP-29-4-101714**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/17/14 10:20**Date Received:** 10/17/14**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	91.5		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-17**Client ID:** SP-30-4-101714**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/17/14 11:15**Date Received:** 10/17/14**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	82.2		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-18**Client ID:** SP-31-1-101714**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/17/14 11:40**Date Received:** 10/17/14**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	85.5		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-19**Client ID:** SP-32-2-101714**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**Matrix:** Soil**Date Collected:** 10/17/14 12:00**Date Received:** 10/17/14**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	83.1		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Lab Number:** L1424863**Project Number:** 31.0180045.10**Report Date:** 10/27/14**SAMPLE RESULTS****Lab ID:** L1424863-20**Date Collected:** 10/17/14 12:30**Client ID:** SP-34-2-101714**Date Received:** 10/17/14**Sample Location:** 537 EAST DELAVAN AVE., BUFFALO**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	84.4		%	0.100	NA	1	-	10/20/14 19:28	30,2540G	RT



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1424863**Report Date:** 10/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG732653-1 QC Sample: L1424863-01 Client ID: SP-4-8-101514						
Solids, Total	83.4	82.6	%	1		20

Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**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(*)
L1424863-01A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-01A9	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	TPH-GRO(14)
L1424863-01B	Glass 100ml unpreserved	A	N/A	2.8	Y	Absent	TS(7)
L1424863-01C	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TPH-DRO-D(14)
L1424863-02A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-02A9	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	TPH-GRO(14)
L1424863-02B	Glass 100ml unpreserved	A	N/A	2.8	Y	Absent	TS(7)
L1424863-02C	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TPH-DRO-D(14)
L1424863-03A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-03A9	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	TPH-GRO(14)
L1424863-03B	Glass 100ml unpreserved	A	N/A	2.8	Y	Absent	TS(7)
L1424863-03C	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TPH-DRO-D(14)
L1424863-04A	Vial Large Septa unpreserved	C	N/A	4.5	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-04A9	Vial MeOH preserved split	C	N/A	4.5	Y	Absent	TPH-GRO(14)
L1424863-04B	Glass 100ml unpreserved	C	N/A	4.5	Y	Absent	TS(7)
L1424863-04C	Amber 120ml unpreserved	C	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1424863-05A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-05A9	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	TPH-GRO(14)
L1424863-05B	Glass 100ml unpreserved	A	N/A	2.8	Y	Absent	TS(7)
L1424863-05C	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TPH-DRO-D(14)
L1424863-06A	Vial Large Septa unpreserved	C	N/A	4.5	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-06A9	Vial MeOH preserved split	C	N/A	4.5	Y	Absent	TPH-GRO(14)
L1424863-06B	Glass 100ml unpreserved	C	N/A	4.5	Y	Absent	TS(7)
L1424863-06C	Amber 120ml unpreserved	C	N/A	4.5	Y	Absent	TPH-DRO-D(14)

*Values in parentheses indicate holding time in days



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1424863-07A	Vial Large Septa unpreserved	C	N/A	4.5	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-07A9	Vial MeOH preserved split	C	N/A	4.5	Y	Absent	TPH-GRO(14)
L1424863-07B	Glass 100ml unpreserved	C	N/A	4.5	Y	Absent	TS(7)
L1424863-07C	Amber 120ml unpreserved	C	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1424863-08A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-08A9	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	TPH-GRO(14)
L1424863-08B	Glass 100ml unpreserved	A	N/A	2.8	Y	Absent	TS(7)
L1424863-08C	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TPH-DRO-D(14)
L1424863-09A	Vial Large Septa unpreserved	C	N/A	4.5	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-09A9	Vial MeOH preserved split	C	N/A	4.5	Y	Absent	TPH-GRO(14)
L1424863-09B	Glass 100ml unpreserved	C	N/A	4.5	Y	Absent	TS(7)
L1424863-09C	Amber 120ml unpreserved	C	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1424863-10A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-10A9	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	TPH-GRO(14)
L1424863-10B	Glass 100ml unpreserved	A	N/A	2.8	Y	Absent	TS(7)
L1424863-10C	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TPH-DRO-D(14)
L1424863-11A	Vial Large Septa unpreserved	C	N/A	4.5	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-11A9	Vial MeOH preserved split	C	N/A	4.5	Y	Absent	TPH-GRO(14)
L1424863-11B	Glass 100ml unpreserved	C	N/A	4.5	Y	Absent	TS(7)
L1424863-11C	Amber 120ml unpreserved	C	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1424863-12A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-12A9	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	TPH-GRO(14)
L1424863-12B	Glass 100ml unpreserved	A	N/A	2.8	Y	Absent	TS(7)
L1424863-12C	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TPH-DRO-D(14)
L1424863-13A	Vial Large Septa unpreserved	C	N/A	4.5	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-13A9	Vial MeOH preserved split	C	N/A	4.5	Y	Absent	TPH-GRO(14)
L1424863-13B	Glass 100ml unpreserved	C	N/A	4.5	Y	Absent	TS(7)
L1424863-13C	Amber 120ml unpreserved	C	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1424863-14A	Vial Large Septa unpreserved	B	N/A	3.6	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-14A9	Vial MeOH preserved split	B	N/A	3.6	Y	Absent	TPH-GRO(14)
L1424863-14B	Glass 100ml unpreserved	B	N/A	3.6	Y	Absent	TS(7)
L1424863-14C	Amber 120ml unpreserved	B	N/A	3.6	Y	Absent	TPH-DRO-D(14)
L1424863-15A	Vial Large Septa unpreserved	B	N/A	3.6	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-15A9	Vial MeOH preserved split	B	N/A	3.6	Y	Absent	TPH-GRO(14)
L1424863-15B	Glass 100ml unpreserved	B	N/A	3.6	Y	Absent	TS(7)
L1424863-15C	Amber 120ml unpreserved	B	N/A	3.6	Y	Absent	TPH-DRO-D(14)

*Values in parentheses indicate holding time in days



Project Name: FORMER HOUDAILLE/VIBRATECH**Project Number:** 31.0180045.10**Lab Number:** L1424863**Report Date:** 10/27/14**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1424863-16A	Vial Large Septa unpreserved	B	N/A	3.6	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-16A9	Vial MeOH preserved split	B	N/A	3.6	Y	Absent	TPH-GRO(14)
L1424863-16B	Glass 100ml unpreserved	B	N/A	3.6	Y	Absent	TS(7)
L1424863-16C	Amber 120ml unpreserved	B	N/A	3.6	Y	Absent	TPH-DRO-D(14)
L1424863-17A	Vial Large Septa unpreserved	B	N/A	3.6	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-17A9	Vial MeOH preserved split	B	N/A	3.6	Y	Absent	TPH-GRO(14)
L1424863-17B	Glass 100ml unpreserved	B	N/A	3.6	Y	Absent	TS(7)
L1424863-17C	Amber 120ml unpreserved	B	N/A	3.6	Y	Absent	TPH-DRO-D(14)
L1424863-18A	Vial Large Septa unpreserved	B	N/A	3.6	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-18A9	Vial MeOH preserved split	B	N/A	3.6	Y	Absent	TPH-GRO(14)
L1424863-18B	Glass 100ml unpreserved	B	N/A	3.6	Y	Absent	TS(7)
L1424863-18C	Amber 120ml unpreserved	B	N/A	3.6	Y	Absent	TPH-DRO-D(14)
L1424863-19A	Vial Large Septa unpreserved	B	N/A	3.6	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-19A9	Vial MeOH preserved split	B	N/A	3.6	Y	Absent	TPH-GRO(14)
L1424863-19B	Glass 100ml unpreserved	B	N/A	3.6	Y	Absent	TS(7)
L1424863-19C	Amber 120ml unpreserved	B	N/A	3.6	Y	Absent	TPH-DRO-D(14)
L1424863-20A	Vial Large Septa unpreserved	B	N/A	3.6	Y	Absent	TPH-GRO(14),NYTCL-8260(14)
L1424863-20A9	Vial MeOH preserved split	B	N/A	3.6	Y	Absent	TPH-GRO(14)
L1424863-20B	Glass 100ml unpreserved	B	N/A	3.6	Y	Absent	TS(7)
L1424863-20C	Amber 120ml unpreserved	B	N/A	3.6	Y	Absent	TPH-DRO-D(14)

*Values in parentheses indicate holding time in days



Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

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

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

Data Qualifiers

- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER HOUDAILLE/VIBRATECH
Project Number: 31.0180045.10

Lab Number: L1424863
Report Date: 10/27/14

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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 April 15, 2014

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 2540D: TSS

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.


**NEW YORK
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page

1 of 2

Date Rec'd
in Lab

10/17/14

ALPHA Job #

1424803

Client Information

Client: 63A Geo Environmental
Address: 535 Washington St.
Buffalo, NY 14203
Phone: 716 685-2300
Fax:
Email: thomas.bohlen@ggr.com

Project Information

Project Name: Former Houdaille/Vibratex
Project Location: 537 East Delavan Ave.
Buffalo, NY
Project # 31.018045.10

(Use Project name as Project #) ☐Project Manager: J. Richter

ALPHAQuote #:

Turn-Around Time
Standard ☒Due Date: 10/24/14Rush (only if pre approved) ☐

of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQUIS (1 File) ☐ EQUIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☒ NY Restricted Use ☒ Other
☒ NY Unrestricted Use KNY Commercial
☐ NYC Sewer Discharge KNY Industrial

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS						Sample Filtration	Sample Specific Comments	Total Bottles	
		Date	Time			VOC 8260 TCL	DRO 8015	GRD 8015							
24803-01	SP-4-8-101514	10/15/14	11:40	Soil	YS	X	X	X							
-02	SP-5-4-101514		12:15												
-03	SP-6-6-101514		13:15												
-04	SP-7-3-101514		13:25												
-05	SP-8-8-101514		14:00												
-06	SP-10-4-101514		15:15												
-07	SP-13-7-101614	10/16/14	9:15												
-08	SP-14-4-101614		10:00												
-09	SP-15-5-101614		10:15												
-10	SP-16-6-101614		10:45												

Preservative Code: 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 K/E = Zn Ac/NaOH O = Other	Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Westboro: Certification No: MA935 Mansfield: Certification No: MA015	Container Type Preservative	G G G A A A	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)
---	---	---	--------------------------------	----------------	--

Relinquished By:	Date/Time	Received By:	Date/Time
<u>Thomas Bohlen</u>	10/17/14 1530	<u>[Signature]</u>	10/17/14 1530
<u>[Signature]</u>	10/17/14 1541	<u>[Signature]</u>	10/17/14 1541
<u>[Signature]</u>	10/17/14 1615	<u>[Signature]</u>	10/17/14 1615
<u>[Signature]</u>	10/17/14 1737	<u>[Signature]</u>	10/17/14 1737
<u>[Signature]</u>	10/17/14 2053	<u>[Signature]</u>	10/17/14 2053
<u>[Signature]</u>	10/17/14 2325	<u>[Signature]</u>	10/17/14 2325

Form No: 01-25 HC (rev. 30-Sept-2013)


**NEW YORK
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page

2 of 2

Date Rec'd
in Lab

10/17/14

ALPHA Job #

L1424863

Project Information
Project Name: Former Houdaille / VibratechProject Location: 537 East Delavan AvenueProject # 31.0180045.10 Buffalo, NY(Use Project name as Project #) ☐Project Manager: J. Richter

ALPHAQuote #:

Turn-Around Time
Standard ☒ Rush (only if pre approved) ☐Due Date: 10/24/14

of Days:

Deliverables
☐ ASP-A☐ ASP-B☐ EQUiS (1 File)☐ EQUiS (4 File)☐ Other
Billing Information
☒ Same as Client Info

PO #

Client Information
Client: GZA Geo EnvironmentalAddress: 535 Washington StBuffalo, NY 14203Phone: 716-685-2300

Fax:

Email: thomas.bohlen@gza.com
Regulatory Requirement
☐ NY TOGS☐ NY Part 375☐ AWQ Standards☐ NY CP-51☒ NY Restricted Use☒ Other☒ NY Unrestricted Use☒ NY Commercial☐ NYC Sewer Discharge☒ NY Industrial
Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ☐ NY

Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										Sample Filtration	Sample Specific Comments	Total Bottles
		Date	Time			VOC	ARO	GR										
24863-11	SP-19-9-101614	10/16/14	1205	Soil	JB	X	X	X								☐ Done		
-12	SP-24-3-101614		1420													☐ Lab to do		
-13	SP-26-4-101614		1525													☐ Lab to do		
-14	SP-27-2-101714	10/17/14	925															
-15	SP-28-2-101714		950															
-16	SP-29-4-101714		1020															
-17	SP-30-4-101714		1115															
-18	SP-31-1-101714		1140															
-19	SP-32-2-101714		1200															
-20	SP-34-2-101714		1230															

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

66G

Preservative

A A A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
Thomas Bohlen	10/17/14/1530	Smith	10/17/14/1530
Smith	10/17/14/1541	Smith	10/17/14/1541
Smith	10/17/14/1615	Smith	10/17/14/1615
Smith	10/17/14/1731	Smith	10/17/14/1731
Smith	10/17/14/2055	Smith	10/17/14/2055
Smith	10/17/14/2325	Smith	10/17/14/2325

Form No: 01-25 HC (rev. 30-Sept-2013)

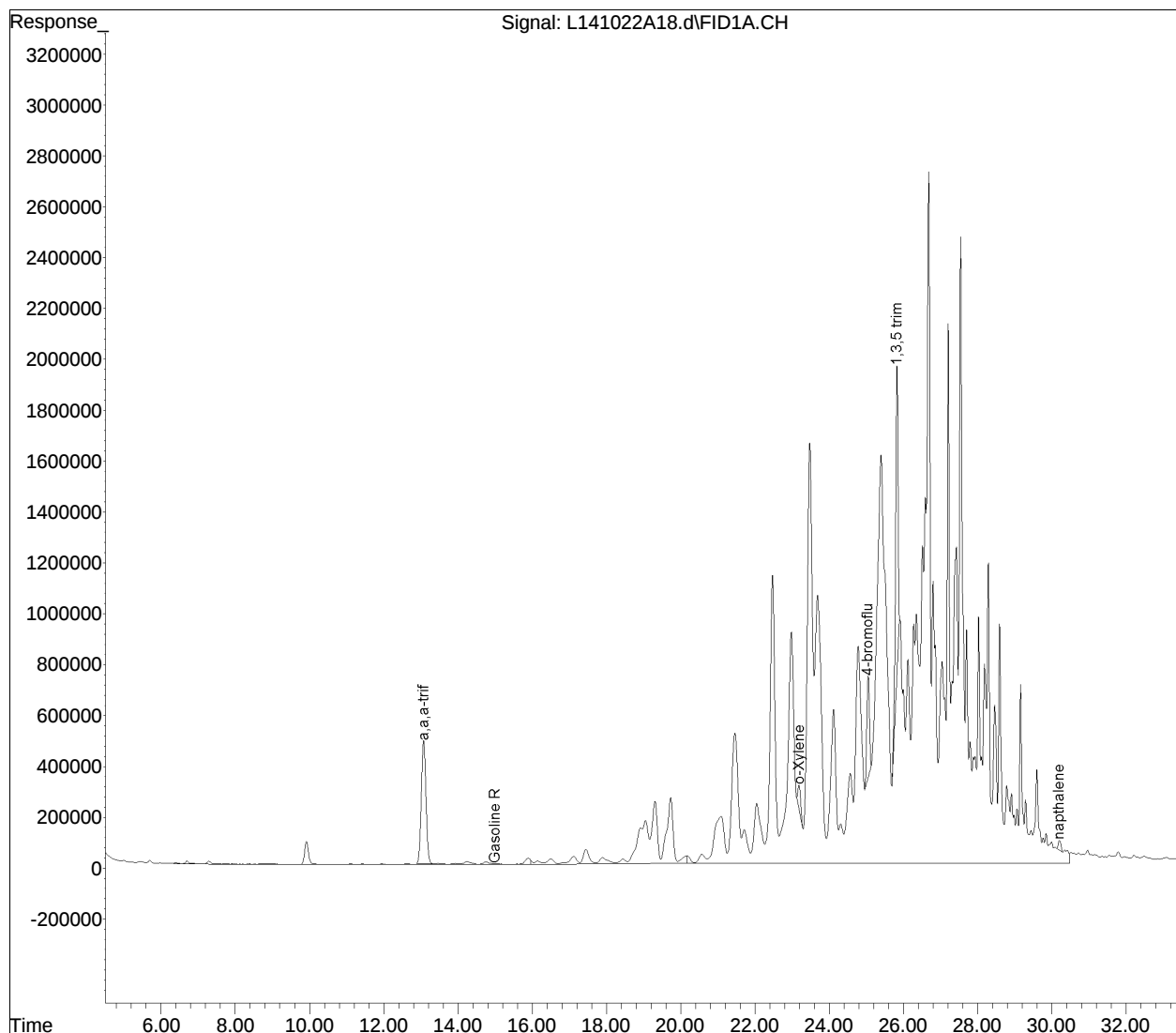
Quantitation Report (QT Reviewed)

Data Path : I:\LVPH\141022Stphgro\
Data File : L141022A18.d
Signal(s) : FID1A.CH
Acq On : 22 Oct 2014 7:02 pm
Operator : LVPH:bs
Sample : l1424863-12D, 41, 15, 15.1, .025
Misc : wg733689, ical9591
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 23 07:57:15 2014
Quant Method : I:\LVPH\141022Stphgro\tphgro.m
Quant Title : TPH_GRO
QLast Update : Mon May 26 10:26:02 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



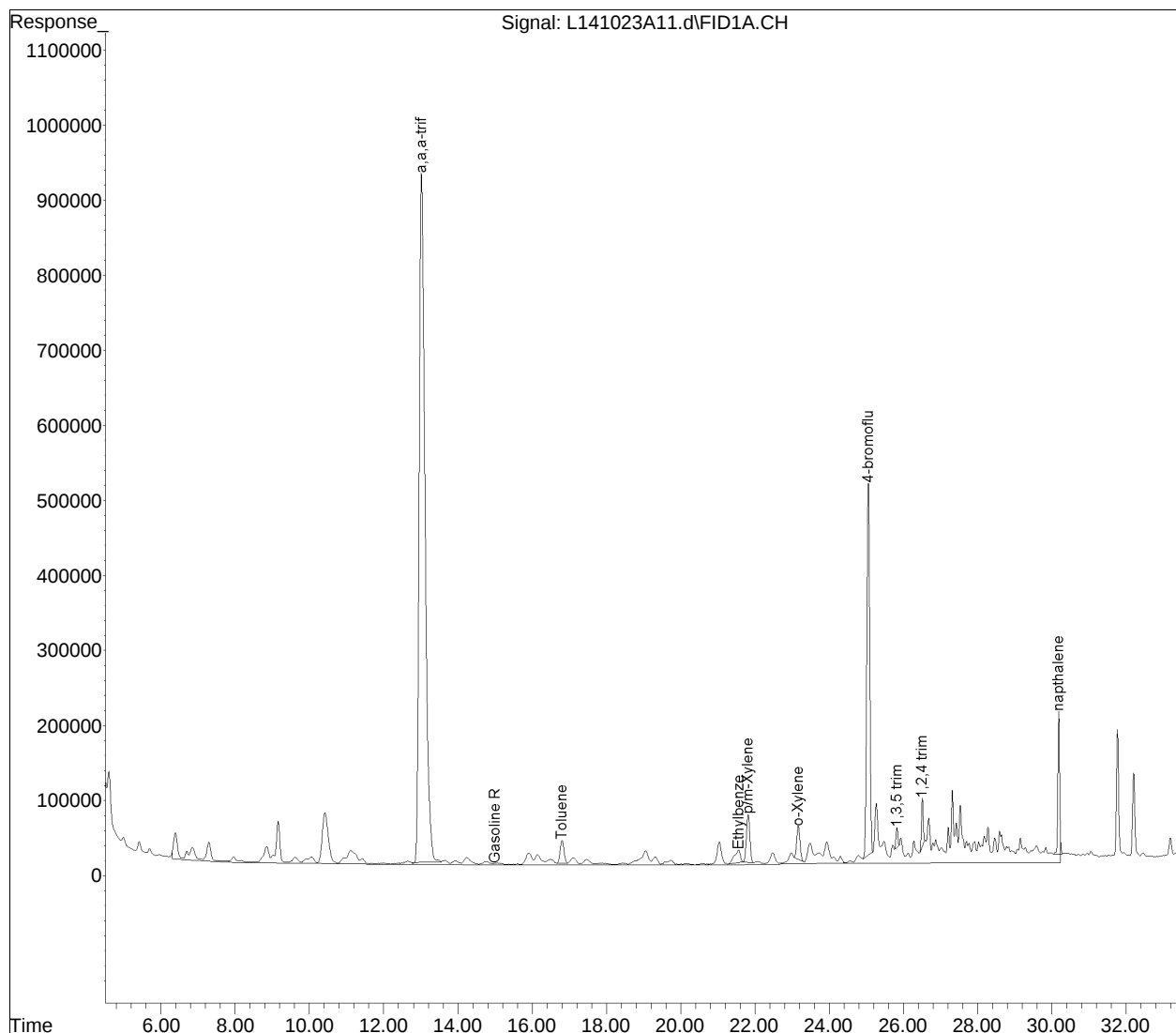
Quantitation Report (QT Reviewed)

Data Path : I:\LVPH\141023Stphgro\
Data File : L141023A11.d
Signal(s) : FID1A.CH
Acq On : 23 Oct 2014 2:19 pm
Operator : LVPH:bs
Sample : 11424863-18,41,15,15.1,.1
Misc : wg734076,ical9591
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 24 08:10:47 2014
Quant Method : I:\LVPH\141023Stphgro\tphgro.m
Quant Title : TPH_GRO
QLast Update : Mon May 26 10:26:02 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-69465-1

Client Project/Site: NYSDEC- Vibratech :Site# 915165

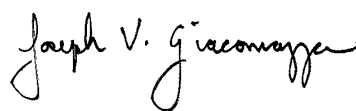
For:

New York State D.E.C.

270 Michigan Avenue

Buffalo, New York 14203

Attn: Chad Staniszewski



Authorized for release by:

11/5/2014 10:59:12 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

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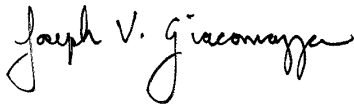
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
11/5/2014 10:59:12 AM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Job ID: 480-69465-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-69465-1

Receipt

The samples were received on 10/16/2014 5:08 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 210858 recovered above the upper control limit for Carbon Tetrachloride, Chlorodibromomethane, Dichlorodifluoromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-210858/9).

Method(s) 8260C: The laboratory control sample (LCS) for batch 210858 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This was not a requested spike compounds; therefore, the data have been qualified and reported.

Method(s) 8260C: The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: DEEP SUMP (480-69465-16), DEGREASER SUMP (480-69465-13), MW14-03 (480-69465-8), MW-2 (480-69465-9), MW3-10 (480-69465-3), MW4-10 (480-69465-4), MW-8 (480-69465-11). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample(s) was analyzed outside of analytical holding time due to laboratory's oversight: MW1-10 (480-69465-1), MW14-03 (480-69465-8), MW2-10 (480-69465-2), MW3-10 (480-69465-3), MW4-10 (480-69465-4), MW5-10 (480-69465-5).

Method(s) 8260C: The following sample(s) was diluted due to the nature of the sample matrix: DEGREASER SUMP (480-69465-14), WEST SUMP (480-69465-18). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 211006 recovered above the upper control limit for carbon tetrachloride, Dichlorobromomethane and Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-211006/3).

Method(s) 8260C: The laboratory control sample (LCS) for batch 211006 recovered outside control limits for the following analytes: Chlorodibromomethane and /or 2-Chloroethyl Vinyl Ether. These were not requested spike compounds; therefore, the data have been qualified and reported.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW5-10 (480-69465-5), MW-7 (480-69465-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: MW11-03 (480-69465-7), MW11-03 (480-69465-7 MS), MW11-03 (480-69465-7 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 211391 recovered above the upper control limit for Carbon Tetrachloride, cis-1,3-Dichloropropene, Chlorodibromomethane, Ethylene Dibromide, and Trichlorofluoromethane.. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-211391/2).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 211391 was outside the method criteria for the following analyte(s): 1,1,1-Trichloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8260C: The laboratory control sample (LCS) for batch 211391 recovered outside control limits for the following analytes: Carbon Tetrachloride and Chlorodibromomethane. These were not requested spike compounds; therefore, the data have been qualified and reported. (LCS 480-211391/4)

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range:

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Job ID: 480-69465-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

(480-69465-5 MS), (480-69465-5 MSD), MW5-10 (480-69465-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample(s) was analyzed outside of analytical holding time due to laboratory's oversight: MW11-03 (480-69465-7), MW11-03 (480-69465-7 MS), MW11-03 (480-69465-7 MSD), MW7-03 (480-69465-6).

Method(s) 8260C: The following sample(s) was analyzed outside of analytical holding time due to laboratory's oversight: MW5-10 (480-69465-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix : DEGREASER SUMP (480-69465-14), SOUTHWEST SUMP (480-69465-15), WEST SUMP (480-69465-18). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following analyte have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Benzaldehyde. This analyte may have a %D >60% if the average %D of all the analytes in the continuing calibration verification (CCV) is 30%.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 210397 recovered above the upper control limit for Caprolactam. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-210397/3).

Method(s) 8270D: The laboratory control sample (LCS) for batch 208998 recovered outside control limits for the following analyte: Caprolactam. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8082A: The following samples required a dilution due to the matrix effects and are reported as elevated non-detections for all target analytes (Aroclors) ; DEGREASER SUMP (480-69465-14). The reported values represent the lowest limit that can be ascertained given the sample composition.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-209508/17) for analytical batch 480-209508 contained total zinc above the upper quality control limit. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of sample SOUTHWEST SUMP (480-69465-15) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 208570.

Method(s) 3550C: The following samples: DEGREASER SUMP (480-69465-14), SOUTHWEST SUMP (480-69465-15), WEST SUMP (480-69465-18) were decanted prior to preparation.

Method(s) 3550C: Due to the matrix, the following samples could not be concentrated to the final method required volume: DEGREASER SUMP (480-69465-14), SOUTHWEST SUMP (480-69465-15), WEST SUMP (480-69465-18). The reporting limits (RLs) are elevated proportionately.

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Job ID: 480-69465-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 3550C: The following samples: DEGREASER SUMP (480-69465-14), SOUTHWEST SUMP (480-69465-15), WEST SUMP (480-69465-18) were decanted prior to preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW1-10

Lab Sample ID: 480-69465-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.8	H	1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.73	J H	1.0	0.38	ug/L	1		8260C	Total/NA
Benzene	1.7	H	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroform	2.7	H	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.98	J H	1.0	0.81	ug/L	1		8260C	Total/NA
Cyclohexane	0.71	J H	1.0	0.18	ug/L	1		8260C	Total/NA
Trichloroethene	3.8	H	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW2-10

Lab Sample ID: 480-69465-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.9	H	1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.79	J H	1.0	0.38	ug/L	1		8260C	Total/NA
Chloroform	1.5	H	1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	2.6	H	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW3-10

Lab Sample ID: 480-69465-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	6.6	H	5.0	1.9	ug/L	5		8260C	Total/NA

Client Sample ID: MW4-10

Lab Sample ID: 480-69465-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.8	H	2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	6.9	H	2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: MW5-10

Lab Sample ID: 480-69465-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	4.7	H	1.0	0.23	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	3.7	H	1.0	0.21	ug/L	1		8260C	Total/NA
Benzene	0.41	J H	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	0.92	J H	1.0	0.32	ug/L	1		8260C	Total/NA
Chloroform	2.3	H	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	69	H	1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.0	H	1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	40	H	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.1	H	1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	14000	H ^	200	160	ug/L	200		8260C	Total/NA
1,1-Dichloroethane - DL	2100	H	200	76	ug/L	200		8260C	Total/NA
1,1-Dichloroethene - DL	230	H	200	58	ug/L	200		8260C	Total/NA

Client Sample ID: MW7-03

Lab Sample ID: 480-69465-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11	H	1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.8	H	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	6.1	H	1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	8.7	H	1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW11-03

Lab Sample ID: 480-69465-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	15	H	5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	78	H	5.0	1.9	ug/L	5		8260C	Total/NA
Benzene	14	H	5.0	2.1	ug/L	5		8260C	Total/NA
Chloroethane	150	H	5.0	1.6	ug/L	5		8260C	Total/NA
Cyclohexane	9.2	H	5.0	0.90	ug/L	5		8260C	Total/NA
Methylcyclohexane	2.2	J H	5.0	0.80	ug/L	5		8260C	Total/NA
Methylene Chloride	3.1	J H	5.0	2.2	ug/L	5		8260C	Total/NA
Trichloroethene	2.5	J H	5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW14-03

Lab Sample ID: 480-69465-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	9.5	J H	20	7.6	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	26	H	20	16	ug/L	20		8260C	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 480-69465-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	6.5		2.0	0.76	ug/L	2		8260C	Total/NA
Chloroethane	22		2.0	0.64	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	12		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	6.4		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	3.6		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 480-69465-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	13		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	3.4		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	18		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	9.6		1.0	0.81	ug/L	1		8260C	Total/NA
Methylcyclohexane	0.24	J	1.0	0.16	ug/L	1		8260C	Total/NA
Trichloroethene	14		1.0	0.46	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	1300		20	16	ug/L	20		8260C	Total/NA
1,1-Dichloroethane - DL	230		20	7.6	ug/L	20		8260C	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 480-69465-11

No Detections.

Client Sample ID: MW-1

Lab Sample ID: 480-69465-12

No Detections.

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-13

No Detections.

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-14

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEGREASER SUMP (Continued)

Lab Sample ID: 480-69465-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1700	J B	2300	460	ug/Kg	10	✱	8260C	Total/NA
Aluminum	1960		20.1	8.9	mg/Kg	1	✱	6010C	Total/NA
Antimony	17.2	J	30.2	0.81	mg/Kg	1	✱	6010C	Total/NA
Arsenic	13.2		4.0	0.81	mg/Kg	1	✱	6010C	Total/NA
Barium	982		1.0	0.22	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.10	J	0.40	0.056	mg/Kg	1	✱	6010C	Total/NA
Cadmium	70.9		0.40	0.060	mg/Kg	1	✱	6010C	Total/NA
Calcium	6590	B	101	6.6	mg/Kg	1	✱	6010C	Total/NA
Chromium	611		1.0	0.40	mg/Kg	1	✱	6010C	Total/NA
Cobalt	14.1		1.0	0.10	mg/Kg	1	✱	6010C	Total/NA
Copper	718		2.0	0.42	mg/Kg	1	✱	6010C	Total/NA
Iron	60600		20.1	2.2	mg/Kg	1	✱	6010C	Total/NA
Lead	1650		2.0	0.48	mg/Kg	1	✱	6010C	Total/NA
Magnesium	1750		40.3	1.9	mg/Kg	1	✱	6010C	Total/NA
Manganese	429	B	0.40	0.064	mg/Kg	1	✱	6010C	Total/NA
Nickel	57.2		10.1	0.46	mg/Kg	1	✱	6010C	Total/NA
Potassium	280		60.4	40.3	mg/Kg	1	✱	6010C	Total/NA
Selenium	2.0	J B	8.1	0.81	mg/Kg	1	✱	6010C	Total/NA
Silver	2.2		1.2	0.40	mg/Kg	1	✱	6010C	Total/NA
Sodium	158	J	282	26.2	mg/Kg	1	✱	6010C	Total/NA
Vanadium	14.0		1.0	0.22	mg/Kg	1	✱	6010C	Total/NA
Zinc	1810	B	4.0	0.31	mg/Kg	1	✱	6010C	Total/NA
Mercury	9.6		0.36	0.15	mg/Kg	10	✱	7471B	Total/NA

Client Sample ID: SOUTHWEST SUMP

Lab Sample ID: 480-69465-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	390	J	400	110	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	510	B	400	79	ug/Kg	1	✱	8260C	Total/NA
Trichloroethene	320	J	400	110	ug/Kg	1	✱	8260C	Total/NA
Benzo[a]anthracene	150000	J	340000	34000	ug/Kg	50	✱	8270D	Total/NA
Benzo[a]pyrene	95000	J	340000	50000	ug/Kg	50	✱	8270D	Total/NA
Benzo[b]fluoranthene	160000	J	340000	54000	ug/Kg	50	✱	8270D	Total/NA
Benzo[g,h,i]perylene	65000	J	340000	36000	ug/Kg	50	✱	8270D	Total/NA
Benzo[k]fluoranthene	66000	J	340000	44000	ug/Kg	50	✱	8270D	Total/NA
Chrysene	120000	J	340000	76000	ug/Kg	50	✱	8270D	Total/NA
Fluoranthene	290000	J	340000	36000	ug/Kg	50	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	51000	J	340000	42000	ug/Kg	50	✱	8270D	Total/NA
Phenanthrene	290000	J	340000	50000	ug/Kg	50	✱	8270D	Total/NA
Pyrene	270000	J	340000	40000	ug/Kg	50	✱	8270D	Total/NA
PCB-1254	12		0.70	0.33	mg/Kg	1	✱	8082A	Total/NA
PCB-1262	7.1		0.70	0.33	mg/Kg	1	✱	8082A	Total/NA
Aluminum	4980		31.9	14.0	mg/Kg	1	✱	6010C	Total/NA
Antimony	18.7	J	47.8	1.3	mg/Kg	1	✱	6010C	Total/NA
Arsenic	27.0		6.4	1.3	mg/Kg	1	✱	6010C	Total/NA
Barium	11100		8.0	1.8	mg/Kg	5	✱	6010C	Total/NA
Beryllium	0.28	J	0.64	0.089	mg/Kg	1	✱	6010C	Total/NA
Cadmium	177		0.64	0.096	mg/Kg	1	✱	6010C	Total/NA
Calcium	18800	B	159	10.5	mg/Kg	1	✱	6010C	Total/NA
Chromium	893		1.6	0.64	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: SOUTHWEST SUMP (Continued)

Lab Sample ID: 480-69465-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Cobalt	14.8		1.6	0.16	mg/Kg	1		✱	6010C	Total/NA
Copper	1370		3.2	0.67	mg/Kg	1		✱	6010C	Total/NA
Iron	92400		31.9	3.5	mg/Kg	1		✱	6010C	Total/NA
Lead	1950		3.2	0.76	mg/Kg	1		✱	6010C	Total/NA
Magnesium	4800		63.7	3.0	mg/Kg	1		✱	6010C	Total/NA
Manganese	666	B	0.64	0.10	mg/Kg	1		✱	6010C	Total/NA
Nickel	82.5		15.9	0.73	mg/Kg	1		✱	6010C	Total/NA
Potassium	463		95.6	63.7	mg/Kg	1		✱	6010C	Total/NA
Selenium	4.2	J B	12.7	1.3	mg/Kg	1		✱	6010C	Total/NA
Silver	4.5		1.9	0.64	mg/Kg	1		✱	6010C	Total/NA
Sodium	194	J	446	41.4	mg/Kg	1		✱	6010C	Total/NA
Vanadium	29.0		1.6	0.35	mg/Kg	1		✱	6010C	Total/NA
Zinc	10100	^ B	31.9	2.4	mg/Kg	5		✱	6010C	Total/NA
Mercury	5.0		0.57	0.23	mg/Kg	10		✱	7471B	Total/NA

Client Sample ID: DEEP SUMP

Lab Sample ID: 480-69465-16

No Detections.

Client Sample ID: TRANSFORMER ROOM

Lab Sample ID: 480-69465-17

No Detections.

Client Sample ID: WEST SUMP

Lab Sample ID: 480-69465-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methylene Chloride	1500	J B	2000	400	ug/Kg	10		✱	8260C	Total/NA
Benzo[a]anthracene	60000	J	110000	11000	ug/Kg	50		✱	8270D	Total/NA
Benzo[a]pyrene	47000	J	110000	16000	ug/Kg	50		✱	8270D	Total/NA
Benzo[b]fluoranthene	79000	J	110000	17000	ug/Kg	50		✱	8270D	Total/NA
Benzo[g,h,i]perylene	38000	J	110000	12000	ug/Kg	50		✱	8270D	Total/NA
Benzo[k]fluoranthene	33000	J	110000	14000	ug/Kg	50		✱	8270D	Total/NA
Chrysene	66000	J	110000	24000	ug/Kg	50		✱	8270D	Total/NA
Fluoranthene	140000		110000	12000	ug/Kg	50		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	30000	J	110000	14000	ug/Kg	50		✱	8270D	Total/NA
Phenanthrene	85000	J	110000	16000	ug/Kg	50		✱	8270D	Total/NA
Pyrene	110000		110000	13000	ug/Kg	50		✱	8270D	Total/NA
Aluminum	1320		18.4	8.1	mg/Kg	1		✱	6010C	Total/NA
Antimony	3.1	J	27.5	0.73	mg/Kg	1		✱	6010C	Total/NA
Arsenic	6.0		3.7	0.73	mg/Kg	1		✱	6010C	Total/NA
Barium	281		0.92	0.20	mg/Kg	1		✱	6010C	Total/NA
Cadmium	12.6		0.37	0.055	mg/Kg	1		✱	6010C	Total/NA
Calcium	51500	B	91.8	6.1	mg/Kg	1		✱	6010C	Total/NA
Chromium	30.6		0.92	0.37	mg/Kg	1		✱	6010C	Total/NA
Cobalt	11.4		0.92	0.092	mg/Kg	1		✱	6010C	Total/NA
Copper	739		1.8	0.39	mg/Kg	1		✱	6010C	Total/NA
Iron	51600		18.4	2.0	mg/Kg	1		✱	6010C	Total/NA
Lead	112		1.8	0.44	mg/Kg	1		✱	6010C	Total/NA
Magnesium	19000		36.7	1.7	mg/Kg	1		✱	6010C	Total/NA
Manganese	709	B	0.37	0.059	mg/Kg	1		✱	6010C	Total/NA
Nickel	23.0		9.2	0.42	mg/Kg	1		✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: WEST SUMP (Continued)

Lab Sample ID: 480-69465-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	125		55.1	36.7	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.9	J B	7.3	0.73	mg/Kg	1	☼	6010C	Total/NA
Silver	5.5		1.1	0.37	mg/Kg	1	☼	6010C	Total/NA
Sodium	211	J	257	23.9	mg/Kg	1	☼	6010C	Total/NA
Vanadium	6.7		0.92	0.20	mg/Kg	1	☼	6010C	Total/NA
Zinc	682	B	3.7	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.83		0.038	0.015	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-69465-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.1		1.0	0.44	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW1-10

Lab Sample ID: 480-69465-1

Date Collected: 10/15/14 13:15

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.8	H	1.0	0.82	ug/L			10/30/14 00:35	1
1,1,1,2-Tetrachloroethane	ND	H	1.0	0.21	ug/L			10/30/14 00:35	1
1,1,2-Trichloroethane	ND	H	1.0	0.23	ug/L			10/30/14 00:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	1.0	0.31	ug/L			10/30/14 00:35	1
1,1-Dichloroethane	0.73	J H	1.0	0.38	ug/L			10/30/14 00:35	1
1,1-Dichloroethene	ND	H	1.0	0.29	ug/L			10/30/14 00:35	1
1,2,4-Trichlorobenzene	ND	H	1.0	0.41	ug/L			10/30/14 00:35	1
1,2-Dibromo-3-Chloropropane	ND	H	1.0	0.39	ug/L			10/30/14 00:35	1
1,2-Dichlorobenzene	ND	H	1.0	0.79	ug/L			10/30/14 00:35	1
1,2-Dichloroethane	ND	H	1.0	0.21	ug/L			10/30/14 00:35	1
1,2-Dichloropropane	ND	H	1.0	0.72	ug/L			10/30/14 00:35	1
1,3-Dichlorobenzene	ND	H	1.0	0.78	ug/L			10/30/14 00:35	1
1,4-Dichlorobenzene	ND	H	1.0	0.84	ug/L			10/30/14 00:35	1
2-Butanone (MEK)	ND	H	10	1.3	ug/L			10/30/14 00:35	1
2-Hexanone	ND	H	5.0	1.2	ug/L			10/30/14 00:35	1
4-Methyl-2-pentanone (MIBK)	ND	H	5.0	2.1	ug/L			10/30/14 00:35	1
Acetone	ND	H	10	3.0	ug/L			10/30/14 00:35	1
Benzene	1.7	H	1.0	0.41	ug/L			10/30/14 00:35	1
Bromodichloromethane	ND	H	1.0	0.39	ug/L			10/30/14 00:35	1
Bromoform	ND	H	1.0	0.26	ug/L			10/30/14 00:35	1
Bromomethane	ND	H	1.0	0.69	ug/L			10/30/14 00:35	1
Carbon disulfide	ND	H	1.0	0.19	ug/L			10/30/14 00:35	1
Carbon tetrachloride	ND	H	1.0	0.27	ug/L			10/30/14 00:35	1
Chlorobenzene	ND	H	1.0	0.75	ug/L			10/30/14 00:35	1
Dibromochloromethane	ND	H	1.0	0.32	ug/L			10/30/14 00:35	1
Chloroethane	ND	H	1.0	0.32	ug/L			10/30/14 00:35	1
Chloroform	2.7	H	1.0	0.34	ug/L			10/30/14 00:35	1
Chloromethane	ND	H	1.0	0.35	ug/L			10/30/14 00:35	1
cis-1,2-Dichloroethene	0.98	J H	1.0	0.81	ug/L			10/30/14 00:35	1
cis-1,3-Dichloropropene	ND	H	1.0	0.36	ug/L			10/30/14 00:35	1
Cyclohexane	0.71	J H	1.0	0.18	ug/L			10/30/14 00:35	1
Dichlorodifluoromethane	ND	H *	1.0	0.68	ug/L			10/30/14 00:35	1
Ethylbenzene	ND	H	1.0	0.74	ug/L			10/30/14 00:35	1
1,2-Dibromoethane	ND	H	1.0	0.73	ug/L			10/30/14 00:35	1
Isopropylbenzene	ND	H	1.0	0.79	ug/L			10/30/14 00:35	1
Methyl acetate	ND	H	2.5	0.50	ug/L			10/30/14 00:35	1
Methyl tert-butyl ether	ND	H	1.0	0.16	ug/L			10/30/14 00:35	1
Methylcyclohexane	ND	H	1.0	0.16	ug/L			10/30/14 00:35	1
Methylene Chloride	ND	H	1.0	0.44	ug/L			10/30/14 00:35	1
Styrene	ND	H	1.0	0.73	ug/L			10/30/14 00:35	1
Tetrachloroethene	ND	H	1.0	0.36	ug/L			10/30/14 00:35	1
Toluene	ND	H	1.0	0.51	ug/L			10/30/14 00:35	1
trans-1,2-Dichloroethene	ND	H	1.0	0.90	ug/L			10/30/14 00:35	1
trans-1,3-Dichloropropene	ND	H	1.0	0.37	ug/L			10/30/14 00:35	1
Trichloroethene	3.8	H	1.0	0.46	ug/L			10/30/14 00:35	1
Trichlorofluoromethane	ND	H	1.0	0.88	ug/L			10/30/14 00:35	1
Vinyl chloride	ND	H	1.0	0.90	ug/L			10/30/14 00:35	1
Xylenes, Total	ND	H	2.0	0.66	ug/L			10/30/14 00:35	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW1-10

Lab Sample ID: 480-69465-1

Date Collected: 10/15/14 13:15

Matrix: Water

Date Received: 10/16/14 17:08

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	96		71 - 126		10/30/14 00:35	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	96		66 - 137		10/30/14 00:35	1
<i>4-Bromofluorobenzene (Surr)</i>	105		73 - 120		10/30/14 00:35	1
<i>Dibromofluoromethane (Surr)</i>	103		60 - 140		10/30/14 00:35	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW2-10

Lab Sample ID: 480-69465-2

Date Collected: 10/15/14 13:10

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	H	1.0	0.82	ug/L			10/30/14 00:59	1
1,1,1,2,2-Tetrachloroethane	ND	H	1.0	0.21	ug/L			10/30/14 00:59	1
1,1,2-Trichloroethane	ND	H	1.0	0.23	ug/L			10/30/14 00:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	1.0	0.31	ug/L			10/30/14 00:59	1
1,1-Dichloroethane	0.79	J H	1.0	0.38	ug/L			10/30/14 00:59	1
1,1-Dichloroethene	ND	H	1.0	0.29	ug/L			10/30/14 00:59	1
1,2,4-Trichlorobenzene	ND	H	1.0	0.41	ug/L			10/30/14 00:59	1
1,2-Dibromo-3-Chloropropane	ND	H	1.0	0.39	ug/L			10/30/14 00:59	1
1,2-Dichlorobenzene	ND	H	1.0	0.79	ug/L			10/30/14 00:59	1
1,2-Dichloroethane	ND	H	1.0	0.21	ug/L			10/30/14 00:59	1
1,2-Dichloropropane	ND	H	1.0	0.72	ug/L			10/30/14 00:59	1
1,3-Dichlorobenzene	ND	H	1.0	0.78	ug/L			10/30/14 00:59	1
1,4-Dichlorobenzene	ND	H	1.0	0.84	ug/L			10/30/14 00:59	1
2-Butanone (MEK)	ND	H	10	1.3	ug/L			10/30/14 00:59	1
2-Hexanone	ND	H	5.0	1.2	ug/L			10/30/14 00:59	1
4-Methyl-2-pentanone (MIBK)	ND	H	5.0	2.1	ug/L			10/30/14 00:59	1
Acetone	ND	H	10	3.0	ug/L			10/30/14 00:59	1
Benzene	ND	H	1.0	0.41	ug/L			10/30/14 00:59	1
Bromodichloromethane	ND	H	1.0	0.39	ug/L			10/30/14 00:59	1
Bromoform	ND	H	1.0	0.26	ug/L			10/30/14 00:59	1
Bromomethane	ND	H	1.0	0.69	ug/L			10/30/14 00:59	1
Carbon disulfide	ND	H	1.0	0.19	ug/L			10/30/14 00:59	1
Carbon tetrachloride	ND	H	1.0	0.27	ug/L			10/30/14 00:59	1
Chlorobenzene	ND	H	1.0	0.75	ug/L			10/30/14 00:59	1
Dibromochloromethane	ND	H	1.0	0.32	ug/L			10/30/14 00:59	1
Chloroethane	ND	H	1.0	0.32	ug/L			10/30/14 00:59	1
Chloroform	1.5	H	1.0	0.34	ug/L			10/30/14 00:59	1
Chloromethane	ND	H	1.0	0.35	ug/L			10/30/14 00:59	1
cis-1,2-Dichloroethene	ND	H	1.0	0.81	ug/L			10/30/14 00:59	1
cis-1,3-Dichloropropene	ND	H	1.0	0.36	ug/L			10/30/14 00:59	1
Cyclohexane	ND	H	1.0	0.18	ug/L			10/30/14 00:59	1
Dichlorodifluoromethane	ND	H *	1.0	0.68	ug/L			10/30/14 00:59	1
Ethylbenzene	ND	H	1.0	0.74	ug/L			10/30/14 00:59	1
1,2-Dibromoethane	ND	H	1.0	0.73	ug/L			10/30/14 00:59	1
Isopropylbenzene	ND	H	1.0	0.79	ug/L			10/30/14 00:59	1
Methyl acetate	ND	H	2.5	0.50	ug/L			10/30/14 00:59	1
Methyl tert-butyl ether	ND	H	1.0	0.16	ug/L			10/30/14 00:59	1
Methylcyclohexane	ND	H	1.0	0.16	ug/L			10/30/14 00:59	1
Methylene Chloride	ND	H	1.0	0.44	ug/L			10/30/14 00:59	1
Styrene	ND	H	1.0	0.73	ug/L			10/30/14 00:59	1
Tetrachloroethene	ND	H	1.0	0.36	ug/L			10/30/14 00:59	1
Toluene	ND	H	1.0	0.51	ug/L			10/30/14 00:59	1
trans-1,2-Dichloroethene	ND	H	1.0	0.90	ug/L			10/30/14 00:59	1
trans-1,3-Dichloropropene	ND	H	1.0	0.37	ug/L			10/30/14 00:59	1
Trichloroethene	2.6	H	1.0	0.46	ug/L			10/30/14 00:59	1
Trichlorofluoromethane	ND	H	1.0	0.88	ug/L			10/30/14 00:59	1
Vinyl chloride	ND	H	1.0	0.90	ug/L			10/30/14 00:59	1
Xylenes, Total	ND	H	2.0	0.66	ug/L			10/30/14 00:59	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW2-10

Lab Sample ID: 480-69465-2

Date Collected: 10/15/14 13:10

Matrix: Water

Date Received: 10/16/14 17:08

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 126		10/30/14 00:59	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	94		66 - 137		10/30/14 00:59	1
<i>4-Bromofluorobenzene (Surr)</i>	103		73 - 120		10/30/14 00:59	1
<i>Dibromofluoromethane (Surr)</i>	99		60 - 140		10/30/14 00:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW3-10

Lab Sample ID: 480-69465-3

Date Collected: 10/15/14 14:05

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	5.0	4.1	ug/L			10/30/14 01:23	5
1,1,1,2,2-Tetrachloroethane	ND	H	5.0	1.1	ug/L			10/30/14 01:23	5
1,1,2-Trichloroethane	ND	H	5.0	1.2	ug/L			10/30/14 01:23	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	5.0	1.6	ug/L			10/30/14 01:23	5
1,1-Dichloroethane	6.6	H	5.0	1.9	ug/L			10/30/14 01:23	5
1,1-Dichloroethene	ND	H	5.0	1.5	ug/L			10/30/14 01:23	5
1,2,4-Trichlorobenzene	ND	H	5.0	2.1	ug/L			10/30/14 01:23	5
1,2-Dibromo-3-Chloropropane	ND	H	5.0	2.0	ug/L			10/30/14 01:23	5
1,2-Dichlorobenzene	ND	H	5.0	4.0	ug/L			10/30/14 01:23	5
1,2-Dichloroethane	ND	H	5.0	1.1	ug/L			10/30/14 01:23	5
1,2-Dichloropropane	ND	H	5.0	3.6	ug/L			10/30/14 01:23	5
1,3-Dichlorobenzene	ND	H	5.0	3.9	ug/L			10/30/14 01:23	5
1,4-Dichlorobenzene	ND	H	5.0	4.2	ug/L			10/30/14 01:23	5
2-Butanone (MEK)	ND	H	50	6.6	ug/L			10/30/14 01:23	5
2-Hexanone	ND	H	25	6.2	ug/L			10/30/14 01:23	5
4-Methyl-2-pentanone (MIBK)	ND	H	25	11	ug/L			10/30/14 01:23	5
Acetone	ND	H	50	15	ug/L			10/30/14 01:23	5
Benzene	ND	H	5.0	2.1	ug/L			10/30/14 01:23	5
Bromodichloromethane	ND	H	5.0	2.0	ug/L			10/30/14 01:23	5
Bromoform	ND	H	5.0	1.3	ug/L			10/30/14 01:23	5
Bromomethane	ND	H	5.0	3.5	ug/L			10/30/14 01:23	5
Carbon disulfide	ND	H	5.0	0.95	ug/L			10/30/14 01:23	5
Carbon tetrachloride	ND	H	5.0	1.4	ug/L			10/30/14 01:23	5
Chlorobenzene	ND	H	5.0	3.8	ug/L			10/30/14 01:23	5
Dibromochloromethane	ND	H	5.0	1.6	ug/L			10/30/14 01:23	5
Chloroethane	ND	H	5.0	1.6	ug/L			10/30/14 01:23	5
Chloroform	ND	H	5.0	1.7	ug/L			10/30/14 01:23	5
Chloromethane	ND	H	5.0	1.8	ug/L			10/30/14 01:23	5
cis-1,2-Dichloroethene	ND	H	5.0	4.1	ug/L			10/30/14 01:23	5
cis-1,3-Dichloropropene	ND	H	5.0	1.8	ug/L			10/30/14 01:23	5
Cyclohexane	ND	H	5.0	0.90	ug/L			10/30/14 01:23	5
Dichlorodifluoromethane	ND	H *	5.0	3.4	ug/L			10/30/14 01:23	5
Ethylbenzene	ND	H	5.0	3.7	ug/L			10/30/14 01:23	5
1,2-Dibromoethane	ND	H	5.0	3.7	ug/L			10/30/14 01:23	5
Isopropylbenzene	ND	H	5.0	4.0	ug/L			10/30/14 01:23	5
Methyl acetate	ND	H	13	2.5	ug/L			10/30/14 01:23	5
Methyl tert-butyl ether	ND	H	5.0	0.80	ug/L			10/30/14 01:23	5
Methylcyclohexane	ND	H	5.0	0.80	ug/L			10/30/14 01:23	5
Methylene Chloride	ND	H	5.0	2.2	ug/L			10/30/14 01:23	5
Styrene	ND	H	5.0	3.7	ug/L			10/30/14 01:23	5
Tetrachloroethene	ND	H	5.0	1.8	ug/L			10/30/14 01:23	5
Toluene	ND	H	5.0	2.6	ug/L			10/30/14 01:23	5
trans-1,2-Dichloroethene	ND	H	5.0	4.5	ug/L			10/30/14 01:23	5
trans-1,3-Dichloropropene	ND	H	5.0	1.9	ug/L			10/30/14 01:23	5
Trichloroethene	ND	H	5.0	2.3	ug/L			10/30/14 01:23	5
Trichlorofluoromethane	ND	H	5.0	4.4	ug/L			10/30/14 01:23	5
Vinyl chloride	ND	H	5.0	4.5	ug/L			10/30/14 01:23	5
Xylenes, Total	ND	H	10	3.3	ug/L			10/30/14 01:23	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW3-10

Date Collected: 10/15/14 14:05

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-3

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		71 - 126		10/30/14 01:23	5
<i>1,2-Dichloroethane-d4 (Surr)</i>	98		66 - 137		10/30/14 01:23	5
<i>4-Bromofluorobenzene (Surr)</i>	106		73 - 120		10/30/14 01:23	5
<i>Dibromofluoromethane (Surr)</i>	104		60 - 140		10/30/14 01:23	5

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW4-10

Lab Sample ID: 480-69465-4

Date Collected: 10/15/14 12:50

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.8	H	2.0	1.6	ug/L			10/30/14 01:47	2
1,1,1,2-Tetrachloroethane	ND	H	2.0	0.42	ug/L			10/30/14 01:47	2
1,1,2-Trichloroethane	ND	H	2.0	0.46	ug/L			10/30/14 01:47	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	2.0	0.62	ug/L			10/30/14 01:47	2
1,1-Dichloroethane	ND	H	2.0	0.76	ug/L			10/30/14 01:47	2
1,1-Dichloroethene	ND	H	2.0	0.58	ug/L			10/30/14 01:47	2
1,2,4-Trichlorobenzene	ND	H	2.0	0.82	ug/L			10/30/14 01:47	2
1,2-Dibromo-3-Chloropropane	ND	H	2.0	0.78	ug/L			10/30/14 01:47	2
1,2-Dichlorobenzene	ND	H	2.0	1.6	ug/L			10/30/14 01:47	2
1,2-Dichloroethane	ND	H	2.0	0.42	ug/L			10/30/14 01:47	2
1,2-Dichloropropane	ND	H	2.0	1.4	ug/L			10/30/14 01:47	2
1,3-Dichlorobenzene	ND	H	2.0	1.6	ug/L			10/30/14 01:47	2
1,4-Dichlorobenzene	ND	H	2.0	1.7	ug/L			10/30/14 01:47	2
2-Butanone (MEK)	ND	H	20	2.6	ug/L			10/30/14 01:47	2
2-Hexanone	ND	H	10	2.5	ug/L			10/30/14 01:47	2
4-Methyl-2-pentanone (MIBK)	ND	H	10	4.2	ug/L			10/30/14 01:47	2
Acetone	ND	H	20	6.0	ug/L			10/30/14 01:47	2
Benzene	ND	H	2.0	0.82	ug/L			10/30/14 01:47	2
Bromodichloromethane	ND	H	2.0	0.78	ug/L			10/30/14 01:47	2
Bromoform	ND	H	2.0	0.52	ug/L			10/30/14 01:47	2
Bromomethane	ND	H	2.0	1.4	ug/L			10/30/14 01:47	2
Carbon disulfide	ND	H	2.0	0.38	ug/L			10/30/14 01:47	2
Carbon tetrachloride	ND	H	2.0	0.54	ug/L			10/30/14 01:47	2
Chlorobenzene	ND	H	2.0	1.5	ug/L			10/30/14 01:47	2
Dibromochloromethane	ND	H	2.0	0.64	ug/L			10/30/14 01:47	2
Chloroethane	ND	H	2.0	0.64	ug/L			10/30/14 01:47	2
Chloroform	ND	H	2.0	0.68	ug/L			10/30/14 01:47	2
Chloromethane	ND	H	2.0	0.70	ug/L			10/30/14 01:47	2
cis-1,2-Dichloroethene	ND	H	2.0	1.6	ug/L			10/30/14 01:47	2
cis-1,3-Dichloropropene	ND	H	2.0	0.72	ug/L			10/30/14 01:47	2
Cyclohexane	ND	H	2.0	0.36	ug/L			10/30/14 01:47	2
Dichlorodifluoromethane	ND	H *	2.0	1.4	ug/L			10/30/14 01:47	2
Ethylbenzene	ND	H	2.0	1.5	ug/L			10/30/14 01:47	2
1,2-Dibromoethane	ND	H	2.0	1.5	ug/L			10/30/14 01:47	2
Isopropylbenzene	ND	H	2.0	1.6	ug/L			10/30/14 01:47	2
Methyl acetate	ND	H	5.0	1.0	ug/L			10/30/14 01:47	2
Methyl tert-butyl ether	ND	H	2.0	0.32	ug/L			10/30/14 01:47	2
Methylcyclohexane	ND	H	2.0	0.32	ug/L			10/30/14 01:47	2
Methylene Chloride	ND	H	2.0	0.88	ug/L			10/30/14 01:47	2
Styrene	ND	H	2.0	1.5	ug/L			10/30/14 01:47	2
Tetrachloroethene	ND	H	2.0	0.72	ug/L			10/30/14 01:47	2
Toluene	ND	H	2.0	1.0	ug/L			10/30/14 01:47	2
trans-1,2-Dichloroethene	ND	H	2.0	1.8	ug/L			10/30/14 01:47	2
trans-1,3-Dichloropropene	ND	H	2.0	0.74	ug/L			10/30/14 01:47	2
Trichloroethene	6.9	H	2.0	0.92	ug/L			10/30/14 01:47	2
Trichlorofluoromethane	ND	H	2.0	1.8	ug/L			10/30/14 01:47	2
Vinyl chloride	ND	H	2.0	1.8	ug/L			10/30/14 01:47	2
Xylenes, Total	ND	H	4.0	1.3	ug/L			10/30/14 01:47	2

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW4-10

Lab Sample ID: 480-69465-4

Date Collected: 10/15/14 12:50

Matrix: Water

Date Received: 10/16/14 17:08

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 126		10/30/14 01:47	2
<i>1,2-Dichloroethane-d4 (Surr)</i>	96		66 - 137		10/30/14 01:47	2
<i>4-Bromofluorobenzene (Surr)</i>	100		73 - 120		10/30/14 01:47	2
<i>Dibromofluoromethane (Surr)</i>	104		60 - 140		10/30/14 01:47	2

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW5-10

Lab Sample ID: 480-69465-5

Date Collected: 10/15/14 13:55

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	H	1.0	0.21	ug/L			10/30/14 02:11	1
1,1,2-Trichloroethane	4.7	H	1.0	0.23	ug/L			10/30/14 02:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	1.0	0.31	ug/L			10/30/14 02:11	1
1,2,4-Trichlorobenzene	ND	H	1.0	0.41	ug/L			10/30/14 02:11	1
1,2-Dibromo-3-Chloropropane	ND	H	1.0	0.39	ug/L			10/30/14 02:11	1
1,2-Dichlorobenzene	ND	H	1.0	0.79	ug/L			10/30/14 02:11	1
1,2-Dichloroethane	3.7	H	1.0	0.21	ug/L			10/30/14 02:11	1
1,2-Dichloropropane	ND	H	1.0	0.72	ug/L			10/30/14 02:11	1
1,3-Dichlorobenzene	ND	H	1.0	0.78	ug/L			10/30/14 02:11	1
1,4-Dichlorobenzene	ND	H	1.0	0.84	ug/L			10/30/14 02:11	1
2-Butanone (MEK)	ND	H	10	1.3	ug/L			10/30/14 02:11	1
2-Hexanone	ND	H	5.0	1.2	ug/L			10/30/14 02:11	1
4-Methyl-2-pentanone (MIBK)	ND	H	5.0	2.1	ug/L			10/30/14 02:11	1
Acetone	ND	H	10	3.0	ug/L			10/30/14 02:11	1
Benzene	0.41	J H	1.0	0.41	ug/L			10/30/14 02:11	1
Bromodichloromethane	ND	H	1.0	0.39	ug/L			10/30/14 02:11	1
Bromoform	ND	H	1.0	0.26	ug/L			10/30/14 02:11	1
Bromomethane	ND	H	1.0	0.69	ug/L			10/30/14 02:11	1
Carbon disulfide	ND	H	1.0	0.19	ug/L			10/30/14 02:11	1
Carbon tetrachloride	ND	H	1.0	0.27	ug/L			10/30/14 02:11	1
Chlorobenzene	ND	H	1.0	0.75	ug/L			10/30/14 02:11	1
Dibromochloromethane	ND	H	1.0	0.32	ug/L			10/30/14 02:11	1
Chloroethane	0.92	J H	1.0	0.32	ug/L			10/30/14 02:11	1
Chloroform	2.3	H	1.0	0.34	ug/L			10/30/14 02:11	1
Chloromethane	ND	H	1.0	0.35	ug/L			10/30/14 02:11	1
cis-1,2-Dichloroethene	69	H	1.0	0.81	ug/L			10/30/14 02:11	1
cis-1,3-Dichloropropene	ND	H	1.0	0.36	ug/L			10/30/14 02:11	1
Cyclohexane	ND	H	1.0	0.18	ug/L			10/30/14 02:11	1
Dichlorodifluoromethane	ND	H *	1.0	0.68	ug/L			10/30/14 02:11	1
Ethylbenzene	ND	H	1.0	0.74	ug/L			10/30/14 02:11	1
1,2-Dibromoethane	ND	H	1.0	0.73	ug/L			10/30/14 02:11	1
Isopropylbenzene	ND	H	1.0	0.79	ug/L			10/30/14 02:11	1
Methyl acetate	ND	H	2.5	0.50	ug/L			10/30/14 02:11	1
Methyl tert-butyl ether	ND	H	1.0	0.16	ug/L			10/30/14 02:11	1
Methylcyclohexane	ND	H	1.0	0.16	ug/L			10/30/14 02:11	1
Methylene Chloride	ND	H	1.0	0.44	ug/L			10/30/14 02:11	1
Styrene	ND	H	1.0	0.73	ug/L			10/30/14 02:11	1
Tetrachloroethene	ND	H	1.0	0.36	ug/L			10/30/14 02:11	1
Toluene	ND	H	1.0	0.51	ug/L			10/30/14 02:11	1
trans-1,2-Dichloroethene	3.0	H	1.0	0.90	ug/L			10/30/14 02:11	1
trans-1,3-Dichloropropene	ND	H	1.0	0.37	ug/L			10/30/14 02:11	1
Trichloroethene	40	H	1.0	0.46	ug/L			10/30/14 02:11	1
Trichlorofluoromethane	ND	H	1.0	0.88	ug/L			10/30/14 02:11	1
Vinyl chloride	2.1	H	1.0	0.90	ug/L			10/30/14 02:11	1
Xylenes, Total	ND	H	2.0	0.66	ug/L			10/30/14 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 126		10/30/14 02:11	1
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		10/30/14 02:11	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW5-10

Lab Sample ID: 480-69465-5

Date Collected: 10/15/14 13:55

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		73 - 120		10/30/14 02:11	1
Dibromofluoromethane (Surr)	104		60 - 140		10/30/14 02:11	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	14000	H ^	200	160	ug/L			10/31/14 22:28	200
1,1-Dichloroethane	2100	H	200	76	ug/L			10/31/14 22:28	200
1,1-Dichloroethene	230	H	200	58	ug/L			10/31/14 22:28	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		71 - 126		10/31/14 22:28	200
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		10/31/14 22:28	200
4-Bromofluorobenzene (Surr)	102		73 - 120		10/31/14 22:28	200
Dibromofluoromethane (Surr)	103		60 - 140		10/31/14 22:28	200

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW7-03

Lab Sample ID: 480-69465-6

Date Collected: 10/15/14 13:35

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11	H	1.0	0.82	ug/L			10/30/14 16:01	1
1,1,1,2-Tetrachloroethane	ND	H	1.0	0.21	ug/L			10/30/14 16:01	1
1,1,2-Trichloroethane	ND	H	1.0	0.23	ug/L			10/30/14 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	1.0	0.31	ug/L			10/30/14 16:01	1
1,1-Dichloroethane	2.8	H	1.0	0.38	ug/L			10/30/14 16:01	1
1,1-Dichloroethene	ND	H	1.0	0.29	ug/L			10/30/14 16:01	1
1,2,4-Trichlorobenzene	ND	H	1.0	0.41	ug/L			10/30/14 16:01	1
1,2-Dibromo-3-Chloropropane	ND	H	1.0	0.39	ug/L			10/30/14 16:01	1
1,2-Dichlorobenzene	ND	H	1.0	0.79	ug/L			10/30/14 16:01	1
1,2-Dichloroethane	ND	H	1.0	0.21	ug/L			10/30/14 16:01	1
1,2-Dichloropropane	ND	H	1.0	0.72	ug/L			10/30/14 16:01	1
1,3-Dichlorobenzene	ND	H	1.0	0.78	ug/L			10/30/14 16:01	1
1,4-Dichlorobenzene	ND	H	1.0	0.84	ug/L			10/30/14 16:01	1
2-Butanone (MEK)	ND	H	10	1.3	ug/L			10/30/14 16:01	1
2-Hexanone	ND	H	5.0	1.2	ug/L			10/30/14 16:01	1
4-Methyl-2-pentanone (MIBK)	ND	H	5.0	2.1	ug/L			10/30/14 16:01	1
Acetone	ND	H	10	3.0	ug/L			10/30/14 16:01	1
Benzene	ND	H	1.0	0.41	ug/L			10/30/14 16:01	1
Bromodichloromethane	ND	H	1.0	0.39	ug/L			10/30/14 16:01	1
Bromoform	ND	H	1.0	0.26	ug/L			10/30/14 16:01	1
Bromomethane	ND	H	1.0	0.69	ug/L			10/30/14 16:01	1
Carbon disulfide	ND	H	1.0	0.19	ug/L			10/30/14 16:01	1
Carbon tetrachloride	ND	H	1.0	0.27	ug/L			10/30/14 16:01	1
Chlorobenzene	ND	H	1.0	0.75	ug/L			10/30/14 16:01	1
Dibromochloromethane	ND	H *	1.0	0.32	ug/L			10/30/14 16:01	1
Chloroethane	ND	H	1.0	0.32	ug/L			10/30/14 16:01	1
Chloroform	ND	H	1.0	0.34	ug/L			10/30/14 16:01	1
Chloromethane	ND	H	1.0	0.35	ug/L			10/30/14 16:01	1
cis-1,2-Dichloroethene	6.1	H	1.0	0.81	ug/L			10/30/14 16:01	1
cis-1,3-Dichloropropene	ND	H	1.0	0.36	ug/L			10/30/14 16:01	1
Cyclohexane	ND	H	1.0	0.18	ug/L			10/30/14 16:01	1
Dichlorodifluoromethane	ND	H	1.0	0.68	ug/L			10/30/14 16:01	1
Ethylbenzene	ND	H	1.0	0.74	ug/L			10/30/14 16:01	1
1,2-Dibromoethane	ND	H	1.0	0.73	ug/L			10/30/14 16:01	1
Isopropylbenzene	ND	H	1.0	0.79	ug/L			10/30/14 16:01	1
Methyl acetate	ND	H	2.5	0.50	ug/L			10/30/14 16:01	1
Methyl tert-butyl ether	ND	H	1.0	0.16	ug/L			10/30/14 16:01	1
Methylcyclohexane	ND	H	1.0	0.16	ug/L			10/30/14 16:01	1
Methylene Chloride	ND	H	1.0	0.44	ug/L			10/30/14 16:01	1
Styrene	ND	H	1.0	0.73	ug/L			10/30/14 16:01	1
Tetrachloroethene	ND	H	1.0	0.36	ug/L			10/30/14 16:01	1
Toluene	ND	H	1.0	0.51	ug/L			10/30/14 16:01	1
trans-1,2-Dichloroethene	ND	H	1.0	0.90	ug/L			10/30/14 16:01	1
trans-1,3-Dichloropropene	ND	H	1.0	0.37	ug/L			10/30/14 16:01	1
Trichloroethene	8.7	H	1.0	0.46	ug/L			10/30/14 16:01	1
Trichlorofluoromethane	ND	H	1.0	0.88	ug/L			10/30/14 16:01	1
Vinyl chloride	ND	H	1.0	0.90	ug/L			10/30/14 16:01	1
Xylenes, Total	ND	H	2.0	0.66	ug/L			10/30/14 16:01	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW7-03

Date Collected: 10/15/14 13:35

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-6

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 126		10/30/14 16:01	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	94		66 - 137		10/30/14 16:01	1
<i>4-Bromofluorobenzene (Surr)</i>	102		73 - 120		10/30/14 16:01	1
<i>Dibromofluoromethane (Surr)</i>	101		60 - 140		10/30/14 16:01	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW11-03

Lab Sample ID: 480-69465-7

Date Collected: 10/15/14 13:30

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	15	H	5.0	4.1	ug/L			10/30/14 16:25	5
1,1,1,2-Tetrachloroethane	ND	H	5.0	1.1	ug/L			10/30/14 16:25	5
1,1,2-Trichloroethane	ND	H	5.0	1.2	ug/L			10/30/14 16:25	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	5.0	1.6	ug/L			10/30/14 16:25	5
1,1-Dichloroethane	78	H	5.0	1.9	ug/L			10/30/14 16:25	5
1,1-Dichloroethene	ND	H	5.0	1.5	ug/L			10/30/14 16:25	5
1,2,4-Trichlorobenzene	ND	H	5.0	2.1	ug/L			10/30/14 16:25	5
1,2-Dibromo-3-Chloropropane	ND	H	5.0	2.0	ug/L			10/30/14 16:25	5
1,2-Dichlorobenzene	ND	H	5.0	4.0	ug/L			10/30/14 16:25	5
1,2-Dichloroethane	ND	H	5.0	1.1	ug/L			10/30/14 16:25	5
1,2-Dichloropropane	ND	H	5.0	3.6	ug/L			10/30/14 16:25	5
1,3-Dichlorobenzene	ND	H	5.0	3.9	ug/L			10/30/14 16:25	5
1,4-Dichlorobenzene	ND	H	5.0	4.2	ug/L			10/30/14 16:25	5
2-Butanone (MEK)	ND	H	50	6.6	ug/L			10/30/14 16:25	5
2-Hexanone	ND	H	25	6.2	ug/L			10/30/14 16:25	5
4-Methyl-2-pentanone (MIBK)	ND	H	25	11	ug/L			10/30/14 16:25	5
Acetone	ND	H	50	15	ug/L			10/30/14 16:25	5
Benzene	14	H	5.0	2.1	ug/L			10/30/14 16:25	5
Bromodichloromethane	ND	H	5.0	2.0	ug/L			10/30/14 16:25	5
Bromoform	ND	H	5.0	1.3	ug/L			10/30/14 16:25	5
Bromomethane	ND	H	5.0	3.5	ug/L			10/30/14 16:25	5
Carbon disulfide	ND	H	5.0	0.95	ug/L			10/30/14 16:25	5
Carbon tetrachloride	ND	H	5.0	1.4	ug/L			10/30/14 16:25	5
Chlorobenzene	ND	H	5.0	3.8	ug/L			10/30/14 16:25	5
Dibromochloromethane	ND	H *	5.0	1.6	ug/L			10/30/14 16:25	5
Chloroethane	150	H	5.0	1.6	ug/L			10/30/14 16:25	5
Chloroform	ND	H	5.0	1.7	ug/L			10/30/14 16:25	5
Chloromethane	ND	H	5.0	1.8	ug/L			10/30/14 16:25	5
cis-1,2-Dichloroethene	ND	H	5.0	4.1	ug/L			10/30/14 16:25	5
cis-1,3-Dichloropropene	ND	H	5.0	1.8	ug/L			10/30/14 16:25	5
Cyclohexane	9.2	H	5.0	0.90	ug/L			10/30/14 16:25	5
Dichlorodifluoromethane	ND	H	5.0	3.4	ug/L			10/30/14 16:25	5
Ethylbenzene	ND	H	5.0	3.7	ug/L			10/30/14 16:25	5
1,2-Dibromoethane	ND	H	5.0	3.7	ug/L			10/30/14 16:25	5
Isopropylbenzene	ND	H	5.0	4.0	ug/L			10/30/14 16:25	5
Methyl acetate	ND	H	13	2.5	ug/L			10/30/14 16:25	5
Methyl tert-butyl ether	ND	H	5.0	0.80	ug/L			10/30/14 16:25	5
Methylcyclohexane	2.2	J H	5.0	0.80	ug/L			10/30/14 16:25	5
Methylene Chloride	3.1	J H	5.0	2.2	ug/L			10/30/14 16:25	5
Styrene	ND	H	5.0	3.7	ug/L			10/30/14 16:25	5
Tetrachloroethene	ND	H	5.0	1.8	ug/L			10/30/14 16:25	5
Toluene	ND	H	5.0	2.6	ug/L			10/30/14 16:25	5
trans-1,2-Dichloroethene	ND	H	5.0	4.5	ug/L			10/30/14 16:25	5
trans-1,3-Dichloropropene	ND	H	5.0	1.9	ug/L			10/30/14 16:25	5
Trichloroethene	2.5	J H	5.0	2.3	ug/L			10/30/14 16:25	5
Trichlorofluoromethane	ND	H	5.0	4.4	ug/L			10/30/14 16:25	5
Vinyl chloride	ND	H	5.0	4.5	ug/L			10/30/14 16:25	5
Xylenes, Total	ND	H	10	3.3	ug/L			10/30/14 16:25	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW11-03

Date Collected: 10/15/14 13:30

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-7

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		71 - 126		10/30/14 16:25	5
<i>1,2-Dichloroethane-d4 (Surr)</i>	97		66 - 137		10/30/14 16:25	5
<i>4-Bromofluorobenzene (Surr)</i>	105		73 - 120		10/30/14 16:25	5
<i>Dibromofluoromethane (Surr)</i>	103		60 - 140		10/30/14 16:25	5

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW14-03

Lab Sample ID: 480-69465-8

Date Collected: 10/15/14 13:45

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	20	16	ug/L			10/30/14 03:23	20
1,1,1,2-Tetrachloroethane	ND	H	20	4.2	ug/L			10/30/14 03:23	20
1,1,2-Trichloroethane	ND	H	20	4.6	ug/L			10/30/14 03:23	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	H	20	6.2	ug/L			10/30/14 03:23	20
1,1-Dichloroethane	9.5	J H	20	7.6	ug/L			10/30/14 03:23	20
1,1-Dichloroethene	ND	H	20	5.8	ug/L			10/30/14 03:23	20
1,2,4-Trichlorobenzene	ND	H	20	8.2	ug/L			10/30/14 03:23	20
1,2-Dibromo-3-Chloropropane	ND	H	20	7.8	ug/L			10/30/14 03:23	20
1,2-Dichlorobenzene	ND	H	20	16	ug/L			10/30/14 03:23	20
1,2-Dichloroethane	ND	H	20	4.2	ug/L			10/30/14 03:23	20
1,2-Dichloropropane	ND	H	20	14	ug/L			10/30/14 03:23	20
1,3-Dichlorobenzene	ND	H	20	16	ug/L			10/30/14 03:23	20
1,4-Dichlorobenzene	ND	H	20	17	ug/L			10/30/14 03:23	20
2-Butanone (MEK)	ND	H	200	26	ug/L			10/30/14 03:23	20
2-Hexanone	ND	H	100	25	ug/L			10/30/14 03:23	20
4-Methyl-2-pentanone (MIBK)	ND	H	100	42	ug/L			10/30/14 03:23	20
Acetone	ND	H	200	60	ug/L			10/30/14 03:23	20
Benzene	ND	H	20	8.2	ug/L			10/30/14 03:23	20
Bromodichloromethane	ND	H	20	7.8	ug/L			10/30/14 03:23	20
Bromoform	ND	H	20	5.2	ug/L			10/30/14 03:23	20
Bromomethane	ND	H	20	14	ug/L			10/30/14 03:23	20
Carbon disulfide	ND	H	20	3.8	ug/L			10/30/14 03:23	20
Carbon tetrachloride	ND	H	20	5.4	ug/L			10/30/14 03:23	20
Chlorobenzene	ND	H	20	15	ug/L			10/30/14 03:23	20
Dibromochloromethane	ND	H	20	6.4	ug/L			10/30/14 03:23	20
Chloroethane	ND	H	20	6.4	ug/L			10/30/14 03:23	20
Chloroform	ND	H	20	6.8	ug/L			10/30/14 03:23	20
Chloromethane	ND	H	20	7.0	ug/L			10/30/14 03:23	20
cis-1,2-Dichloroethene	26	H	20	16	ug/L			10/30/14 03:23	20
cis-1,3-Dichloropropene	ND	H	20	7.2	ug/L			10/30/14 03:23	20
Cyclohexane	ND	H	20	3.6	ug/L			10/30/14 03:23	20
Dichlorodifluoromethane	ND	H *	20	14	ug/L			10/30/14 03:23	20
Ethylbenzene	ND	H	20	15	ug/L			10/30/14 03:23	20
1,2-Dibromoethane	ND	H	20	15	ug/L			10/30/14 03:23	20
Isopropylbenzene	ND	H	20	16	ug/L			10/30/14 03:23	20
Methyl acetate	ND	H	50	10	ug/L			10/30/14 03:23	20
Methyl tert-butyl ether	ND	H	20	3.2	ug/L			10/30/14 03:23	20
Methylcyclohexane	ND	H	20	3.2	ug/L			10/30/14 03:23	20
Methylene Chloride	ND	H	20	8.8	ug/L			10/30/14 03:23	20
Styrene	ND	H	20	15	ug/L			10/30/14 03:23	20
Tetrachloroethene	ND	H	20	7.2	ug/L			10/30/14 03:23	20
Toluene	ND	H	20	10	ug/L			10/30/14 03:23	20
trans-1,2-Dichloroethene	ND	H	20	18	ug/L			10/30/14 03:23	20
trans-1,3-Dichloropropene	ND	H	20	7.4	ug/L			10/30/14 03:23	20
Trichloroethene	ND	H	20	9.2	ug/L			10/30/14 03:23	20
Trichlorofluoromethane	ND	H	20	18	ug/L			10/30/14 03:23	20
Vinyl chloride	ND	H	20	18	ug/L			10/30/14 03:23	20
Xylenes, Total	ND	H	40	13	ug/L			10/30/14 03:23	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW14-03

Lab Sample ID: 480-69465-8

Date Collected: 10/15/14 13:45

Matrix: Water

Date Received: 10/16/14 17:08

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		71 - 126		10/30/14 03:23	20
<i>1,2-Dichloroethane-d4 (Surr)</i>	96		66 - 137		10/30/14 03:23	20
<i>4-Bromofluorobenzene (Surr)</i>	104		73 - 120		10/30/14 03:23	20
<i>Dibromofluoromethane (Surr)</i>	104		60 - 140		10/30/14 03:23	20

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW-2

Date Collected: 10/16/14 12:50

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/30/14 03:47	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/30/14 03:47	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/30/14 03:47	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/30/14 03:47	2
1,1-Dichloroethane	6.5		2.0	0.76	ug/L			10/30/14 03:47	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/30/14 03:47	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/30/14 03:47	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/30/14 03:47	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/30/14 03:47	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/30/14 03:47	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/30/14 03:47	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/30/14 03:47	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/30/14 03:47	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/30/14 03:47	2
2-Hexanone	ND		10	2.5	ug/L			10/30/14 03:47	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/30/14 03:47	2
Acetone	ND		20	6.0	ug/L			10/30/14 03:47	2
Benzene	ND		2.0	0.82	ug/L			10/30/14 03:47	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/30/14 03:47	2
Bromoform	ND		2.0	0.52	ug/L			10/30/14 03:47	2
Bromomethane	ND		2.0	1.4	ug/L			10/30/14 03:47	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/30/14 03:47	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/30/14 03:47	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/30/14 03:47	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/30/14 03:47	2
Chloroethane	22		2.0	0.64	ug/L			10/30/14 03:47	2
Chloroform	ND		2.0	0.68	ug/L			10/30/14 03:47	2
Chloromethane	ND		2.0	0.70	ug/L			10/30/14 03:47	2
cis-1,2-Dichloroethene	12		2.0	1.6	ug/L			10/30/14 03:47	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/30/14 03:47	2
Cyclohexane	ND		2.0	0.36	ug/L			10/30/14 03:47	2
Dichlorodifluoromethane	ND *		2.0	1.4	ug/L			10/30/14 03:47	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/30/14 03:47	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/30/14 03:47	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/30/14 03:47	2
Methyl acetate	ND		5.0	1.0	ug/L			10/30/14 03:47	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/30/14 03:47	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/30/14 03:47	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/30/14 03:47	2
Styrene	ND		2.0	1.5	ug/L			10/30/14 03:47	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/30/14 03:47	2
Toluene	ND		2.0	1.0	ug/L			10/30/14 03:47	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/30/14 03:47	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/30/14 03:47	2
Trichloroethene	6.4		2.0	0.92	ug/L			10/30/14 03:47	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/30/14 03:47	2
Vinyl chloride	3.6		2.0	1.8	ug/L			10/30/14 03:47	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/30/14 03:47	2

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW-2

Lab Sample ID: 480-69465-9

Date Collected: 10/16/14 12:50

Matrix: Water

Date Received: 10/16/14 17:08

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 126		10/30/14 03:47	2
<i>1,2-Dichloroethane-d4 (Surr)</i>	96		66 - 137		10/30/14 03:47	2
<i>4-Bromofluorobenzene (Surr)</i>	101		73 - 120		10/30/14 03:47	2
<i>Dibromofluoromethane (Surr)</i>	102		60 - 140		10/30/14 03:47	2

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW-7

Lab Sample ID: 480-69465-10

Date Collected: 10/16/14 12:55

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/14 04:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/14 04:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/30/14 04:11	1
1,1-Dichloroethene	13		1.0	0.29	ug/L			10/30/14 04:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/30/14 04:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/30/14 04:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/30/14 04:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/14 04:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/14 04:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/30/14 04:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/30/14 04:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/14 04:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/14 04:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/14 04:11	1
Acetone	ND		10	3.0	ug/L			10/30/14 04:11	1
Benzene	3.4		1.0	0.41	ug/L			10/30/14 04:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/14 04:11	1
Bromoform	ND		1.0	0.26	ug/L			10/30/14 04:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/14 04:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/14 04:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/14 04:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/14 04:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/14 04:11	1
Chloroethane	18		1.0	0.32	ug/L			10/30/14 04:11	1
Chloroform	ND		1.0	0.34	ug/L			10/30/14 04:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/14 04:11	1
cis-1,2-Dichloroethene	9.6		1.0	0.81	ug/L			10/30/14 04:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/14 04:11	1
Cyclohexane	ND		1.0	0.18	ug/L			10/30/14 04:11	1
Dichlorodifluoromethane	ND *		1.0	0.68	ug/L			10/30/14 04:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/14 04:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/30/14 04:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/30/14 04:11	1
Methyl acetate	ND		2.5	0.50	ug/L			10/30/14 04:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/30/14 04:11	1
Methylcyclohexane	0.24 J		1.0	0.16	ug/L			10/30/14 04:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/14 04:11	1
Styrene	ND		1.0	0.73	ug/L			10/30/14 04:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/14 04:11	1
Toluene	ND		1.0	0.51	ug/L			10/30/14 04:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/14 04:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/14 04:11	1
Trichloroethene	14		1.0	0.46	ug/L			10/30/14 04:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/30/14 04:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/14 04:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/14 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 126		10/30/14 04:11	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW-7

Lab Sample ID: 480-69465-10

Date Collected: 10/16/14 12:55

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		10/30/14 04:11	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/30/14 04:11	1
Dibromofluoromethane (Surr)	105		60 - 140		10/30/14 04:11	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1300		20	16	ug/L			10/30/14 16:49	20
1,1-Dichloroethane	230		20	7.6	ug/L			10/30/14 16:49	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 126		10/30/14 16:49	20
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		10/30/14 16:49	20
4-Bromofluorobenzene (Surr)	103		73 - 120		10/30/14 16:49	20
Dibromofluoromethane (Surr)	104		60 - 140		10/30/14 16:49	20

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW-8

Lab Sample ID: 480-69465-11

Date Collected: 10/16/14 13:00

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/30/14 04:35	20
1,1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/30/14 04:35	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/30/14 04:35	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/30/14 04:35	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/30/14 04:35	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/30/14 04:35	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/30/14 04:35	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/30/14 04:35	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/30/14 04:35	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/30/14 04:35	20
1,2-Dichloropropane	ND		20	14	ug/L			10/30/14 04:35	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/30/14 04:35	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/30/14 04:35	20
2-Butanone (MEK)	ND		200	26	ug/L			10/30/14 04:35	20
2-Hexanone	ND		100	25	ug/L			10/30/14 04:35	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/30/14 04:35	20
Acetone	ND		200	60	ug/L			10/30/14 04:35	20
Benzene	ND		20	8.2	ug/L			10/30/14 04:35	20
Bromodichloromethane	ND		20	7.8	ug/L			10/30/14 04:35	20
Bromoform	ND		20	5.2	ug/L			10/30/14 04:35	20
Bromomethane	ND		20	14	ug/L			10/30/14 04:35	20
Carbon disulfide	ND		20	3.8	ug/L			10/30/14 04:35	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/30/14 04:35	20
Chlorobenzene	ND		20	15	ug/L			10/30/14 04:35	20
Dibromochloromethane	ND		20	6.4	ug/L			10/30/14 04:35	20
Chloroethane	ND		20	6.4	ug/L			10/30/14 04:35	20
Chloroform	ND		20	6.8	ug/L			10/30/14 04:35	20
Chloromethane	ND		20	7.0	ug/L			10/30/14 04:35	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			10/30/14 04:35	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/30/14 04:35	20
Cyclohexane	ND		20	3.6	ug/L			10/30/14 04:35	20
Dichlorodifluoromethane	ND *		20	14	ug/L			10/30/14 04:35	20
Ethylbenzene	ND		20	15	ug/L			10/30/14 04:35	20
1,2-Dibromoethane	ND		20	15	ug/L			10/30/14 04:35	20
Isopropylbenzene	ND		20	16	ug/L			10/30/14 04:35	20
Methyl acetate	ND		50	10	ug/L			10/30/14 04:35	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/30/14 04:35	20
Methylcyclohexane	ND		20	3.2	ug/L			10/30/14 04:35	20
Methylene Chloride	ND		20	8.8	ug/L			10/30/14 04:35	20
Styrene	ND		20	15	ug/L			10/30/14 04:35	20
Tetrachloroethene	ND		20	7.2	ug/L			10/30/14 04:35	20
Toluene	ND		20	10	ug/L			10/30/14 04:35	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/30/14 04:35	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/30/14 04:35	20
Trichloroethene	ND		20	9.2	ug/L			10/30/14 04:35	20
Trichlorofluoromethane	ND		20	18	ug/L			10/30/14 04:35	20
Vinyl chloride	ND		20	18	ug/L			10/30/14 04:35	20
Xylenes, Total	ND		40	13	ug/L			10/30/14 04:35	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW-8

Date Collected: 10/16/14 13:00

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-11

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	102		71 - 126		10/30/14 04:35	20
<i>1,2-Dichloroethane-d4 (Surr)</i>	95		66 - 137		10/30/14 04:35	20
<i>4-Bromofluorobenzene (Surr)</i>	105		73 - 120		10/30/14 04:35	20
<i>Dibromofluoromethane (Surr)</i>	103		60 - 140		10/30/14 04:35	20

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW-1

Lab Sample ID: 480-69465-12

Date Collected: 10/16/14 13:05

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/14 04:59	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/14 04:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/14 04:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/30/14 04:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/14 04:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/14 04:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/30/14 04:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/30/14 04:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/30/14 04:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/14 04:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/14 04:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/30/14 04:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/30/14 04:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/14 04:59	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/14 04:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/14 04:59	1
Acetone	ND		10	3.0	ug/L			10/30/14 04:59	1
Benzene	ND		1.0	0.41	ug/L			10/30/14 04:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/14 04:59	1
Bromoform	ND		1.0	0.26	ug/L			10/30/14 04:59	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/14 04:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/14 04:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/14 04:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/14 04:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/14 04:59	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/14 04:59	1
Chloroform	ND		1.0	0.34	ug/L			10/30/14 04:59	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/14 04:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/30/14 04:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/14 04:59	1
Cyclohexane	ND		1.0	0.18	ug/L			10/30/14 04:59	1
Dichlorodifluoromethane	ND *		1.0	0.68	ug/L			10/30/14 04:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/14 04:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/30/14 04:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/30/14 04:59	1
Methyl acetate	ND		2.5	0.50	ug/L			10/30/14 04:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/30/14 04:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/30/14 04:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/14 04:59	1
Styrene	ND		1.0	0.73	ug/L			10/30/14 04:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/14 04:59	1
Toluene	ND		1.0	0.51	ug/L			10/30/14 04:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/14 04:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/14 04:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/14 04:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/30/14 04:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/14 04:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/14 04:59	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW-1

Lab Sample ID: 480-69465-12

Date Collected: 10/16/14 13:05

Matrix: Water

Date Received: 10/16/14 17:08

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		71 - 126		10/30/14 04:59	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	97		66 - 137		10/30/14 04:59	1
<i>4-Bromofluorobenzene (Surr)</i>	103		73 - 120		10/30/14 04:59	1
<i>Dibromofluoromethane (Surr)</i>	102		60 - 140		10/30/14 04:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-13

Date Collected: 10/16/14 11:30

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			10/30/14 05:23	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			10/30/14 05:23	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/30/14 05:23	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			10/30/14 05:23	40
1,1-Dichloroethane	ND		40	15	ug/L			10/30/14 05:23	40
1,1-Dichloroethene	ND		40	12	ug/L			10/30/14 05:23	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			10/30/14 05:23	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			10/30/14 05:23	40
1,2-Dichlorobenzene	ND		40	32	ug/L			10/30/14 05:23	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/30/14 05:23	40
1,2-Dichloropropane	ND		40	29	ug/L			10/30/14 05:23	40
1,3-Dichlorobenzene	ND		40	31	ug/L			10/30/14 05:23	40
1,4-Dichlorobenzene	ND		40	34	ug/L			10/30/14 05:23	40
2-Butanone (MEK)	ND		400	53	ug/L			10/30/14 05:23	40
2-Hexanone	ND		200	50	ug/L			10/30/14 05:23	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/30/14 05:23	40
Acetone	ND		400	120	ug/L			10/30/14 05:23	40
Benzene	ND		40	16	ug/L			10/30/14 05:23	40
Bromodichloromethane	ND		40	16	ug/L			10/30/14 05:23	40
Bromoform	ND		40	10	ug/L			10/30/14 05:23	40
Bromomethane	ND		40	28	ug/L			10/30/14 05:23	40
Carbon disulfide	ND		40	7.6	ug/L			10/30/14 05:23	40
Carbon tetrachloride	ND		40	11	ug/L			10/30/14 05:23	40
Chlorobenzene	ND		40	30	ug/L			10/30/14 05:23	40
Dibromochloromethane	ND		40	13	ug/L			10/30/14 05:23	40
Chloroethane	ND		40	13	ug/L			10/30/14 05:23	40
Chloroform	ND		40	14	ug/L			10/30/14 05:23	40
Chloromethane	ND		40	14	ug/L			10/30/14 05:23	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			10/30/14 05:23	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/30/14 05:23	40
Cyclohexane	ND		40	7.2	ug/L			10/30/14 05:23	40
Dichlorodifluoromethane	ND *		40	27	ug/L			10/30/14 05:23	40
Ethylbenzene	ND		40	30	ug/L			10/30/14 05:23	40
1,2-Dibromoethane	ND		40	29	ug/L			10/30/14 05:23	40
Isopropylbenzene	ND		40	32	ug/L			10/30/14 05:23	40
Methyl acetate	ND		100	20	ug/L			10/30/14 05:23	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			10/30/14 05:23	40
Methylcyclohexane	ND		40	6.4	ug/L			10/30/14 05:23	40
Methylene Chloride	ND		40	18	ug/L			10/30/14 05:23	40
Styrene	ND		40	29	ug/L			10/30/14 05:23	40
Tetrachloroethene	ND		40	14	ug/L			10/30/14 05:23	40
Toluene	ND		40	20	ug/L			10/30/14 05:23	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/30/14 05:23	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/30/14 05:23	40
Trichloroethene	ND		40	18	ug/L			10/30/14 05:23	40
Trichlorofluoromethane	ND		40	35	ug/L			10/30/14 05:23	40
Vinyl chloride	ND		40	36	ug/L			10/30/14 05:23	40
Xylenes, Total	ND		80	26	ug/L			10/30/14 05:23	40

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-13

Date Collected: 10/16/14 11:30

Matrix: Water

Date Received: 10/16/14 17:08

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 126		10/30/14 05:23	40
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		10/30/14 05:23	40
4-Bromofluorobenzene (Surr)	101		73 - 120		10/30/14 05:23	40
Dibromofluoromethane (Surr)	104		60 - 140		10/30/14 05:23	40

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.45	0.16	ug/L		10/18/14 08:16	10/20/14 12:51	1
PCB-1221	ND		0.45	0.16	ug/L		10/18/14 08:16	10/20/14 12:51	1
PCB-1232	ND		0.45	0.16	ug/L		10/18/14 08:16	10/20/14 12:51	1
PCB-1242	ND		0.45	0.16	ug/L		10/18/14 08:16	10/20/14 12:51	1
PCB-1248	ND		0.45	0.16	ug/L		10/18/14 08:16	10/20/14 12:51	1
PCB-1254	ND		0.45	0.23	ug/L		10/18/14 08:16	10/20/14 12:51	1
PCB-1260	ND		0.45	0.23	ug/L		10/18/14 08:16	10/20/14 12:51	1
PCB-1262	ND		0.45	0.23	ug/L		10/18/14 08:16	10/20/14 12:51	1
PCB-1268	ND		0.45	0.23	ug/L		10/18/14 08:16	10/20/14 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		23 - 127	10/18/14 08:16	10/20/14 12:51	1
DCB Decachlorobiphenyl	85		19 - 126	10/18/14 08:16	10/20/14 12:51	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-14

Date Collected: 10/16/14 11:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 51.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300	640	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,1,2,2-Tetrachloroethane	ND		2300	380	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,1,2-Trichloroethane	ND		2300	490	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300	1200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,1-Dichloroethane	ND		2300	720	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,1-Dichloroethene	ND		2300	800	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,2,4-Trichlorobenzene	ND		2300	880	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,2-Dibromo-3-Chloropropane	ND		2300	1200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,2-Dichlorobenzene	ND		2300	590	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,2-Dichloroethane	ND		2300	950	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,2-Dichloropropane	ND		2300	380	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,3-Dichlorobenzene	ND		2300	620	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
2-Butanone (MEK)	ND		12000	6900	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
2-Hexanone	ND		12000	4800	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
4-Methyl-2-pentanone (MIBK)	ND		12000	740	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Acetone	ND		12000	9500	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Benzene	ND		2300	440	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Bromodichloromethane	ND		2300	460	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Bromoform	ND		2300	1200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Bromomethane	ND		2300	510	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Carbon disulfide	ND		2300	1100	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Carbon tetrachloride	ND		2300	590	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Chlorobenzene	ND		2300	310	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Dibromochloromethane	ND		2300	1100	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Chloroethane	ND		2300	480	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Chloroform	ND		2300	1600	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Chloromethane	ND		2300	550	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
cis-1,2-Dichloroethene	ND		2300	640	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
cis-1,3-Dichloropropene	ND		2300	550	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Cyclohexane	ND		2300	520	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Dichlorodifluoromethane	ND		2300	1000	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Ethylbenzene	ND		2300	680	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
1,2-Dibromoethane	ND		2300	410	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Isopropylbenzene	ND		2300	350	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Methyl acetate	ND		2300	1100	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Methyl tert-butyl ether	ND		2300	880	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Methylcyclohexane	ND		2300	1100	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Methylene Chloride	1700	J B	2300	460	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Styrene	ND		2300	560	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Tetrachloroethene	ND		2300	310	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Toluene	ND		2300	620	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
trans-1,2-Dichloroethene	ND		2300	550	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
trans-1,3-Dichloropropene	ND		2300	230	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Trichloroethene	ND		2300	650	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Trichlorofluoromethane	ND		2300	1100	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Vinyl chloride	ND		2300	780	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10
Xylenes, Total	ND		4600	390	ug/Kg	☼	10/29/14 11:23	10/30/14 15:01	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-14

Date Collected: 10/16/14 11:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 51.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	121		50 - 149	10/29/14 11:23	10/30/14 15:01	10
1,2-Dichloroethane-d4 (Surr)	125		53 - 146	10/29/14 11:23	10/30/14 15:01	10
4-Bromofluorobenzene (Surr)	103		49 - 148	10/29/14 11:23	10/30/14 15:01	10
Dibromofluoromethane (Surr)	126		60 - 140	10/29/14 11:23	10/30/14 15:01	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		110000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
bis (2-chloroisopropyl) ether	ND		110000	23000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2,4,5-Trichlorophenol	ND		110000	31000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2,4,6-Trichlorophenol	ND		110000	23000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2,4-Dichlorophenol	ND		110000	12000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2,4-Dimethylphenol	ND		110000	28000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2,4-Dinitrophenol	ND		220000	69000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2,4-Dinitrotoluene	ND		110000	24000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2,6-Dinitrotoluene	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2-Chloronaphthalene	ND		110000	19000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2-Chlorophenol	ND		110000	21000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2-Methylphenol	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2-Methylnaphthalene	ND		110000	23000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2-Nitroaniline	ND		220000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
2-Nitrophenol	ND		110000	32000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
3,3'-Dichlorobenzidine	ND		220000	130000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
3-Nitroaniline	ND		220000	32000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
4,6-Dinitro-2-methylphenol	ND		220000	110000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
4-Bromophenyl phenyl ether	ND		110000	16000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
4-Chloro-3-methylphenol	ND		110000	28000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
4-Chloroaniline	ND		110000	28000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
4-Chlorophenyl phenyl ether	ND		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
4-Methylphenol	ND		220000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
4-Nitroaniline	ND		220000	60000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
4-Nitrophenol	ND		220000	80000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Acenaphthene	ND		110000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Acenaphthylene	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Acetophenone	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Anthracene	ND		110000	28000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Atrazine	ND		110000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Benzaldehyde	ND		110000	91000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Benzo[a]anthracene	ND		110000	11000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Benzo[a]pyrene	ND		110000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Benzo[b]fluoranthene	ND		110000	18000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Benzo[g,h,i]perylene	ND		110000	12000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Benzo[k]fluoranthene	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Bis(2-chloroethoxy)methane	ND		110000	24000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Bis(2-chloroethyl)ether	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Bis(2-ethylhexyl) phthalate	ND		110000	39000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Butyl benzyl phthalate	ND		110000	19000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Caprolactam	ND *		110000	34000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Carbazole	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Chrysene	ND		110000	26000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-14

Date Collected: 10/16/14 11:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 51.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		110000	20000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Di-n-butyl phthalate	ND		110000	20000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Di-n-octyl phthalate	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Dibenzofuran	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Diethyl phthalate	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Dimethyl phthalate	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Fluoranthene	ND		110000	12000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Fluorene	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Hexachlorobenzene	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Hexachlorobutadiene	ND		110000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Hexachlorocyclopentadiene	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Hexachloroethane	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Indeno[1,2,3-cd]pyrene	ND		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Isophorone	ND		110000	24000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
N-Nitrosodi-n-propylamine	ND		110000	20000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
N-Nitrosodiphenylamine	ND		110000	93000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Naphthalene	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Nitrobenzene	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Pentachlorophenol	ND		220000	110000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Phenanthrene	ND		110000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Phenol	ND		110000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50
Pyrene	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:30	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	X	34 - 132	10/21/14 09:09	10/28/14 12:30	50
Phenol-d5 (Surr)	0	X	11 - 120	10/21/14 09:09	10/28/14 12:30	50
p-Terphenyl-d14 (Surr)	0	X	65 - 153	10/21/14 09:09	10/28/14 12:30	50
2,4,6-Tribromophenol (Surr)	0	X	39 - 146	10/21/14 09:09	10/28/14 12:30	50
2-Fluorobiphenyl	0	X	37 - 120	10/21/14 09:09	10/28/14 12:30	50
2-Fluorophenol (Surr)	0	X	18 - 120	10/21/14 09:09	10/28/14 12:30	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		8.8	1.7	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20
PCB-1221	ND		8.8	1.7	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20
PCB-1232	ND		8.8	1.7	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20
PCB-1242	ND		8.8	1.7	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20
PCB-1248	ND		8.8	1.7	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20
PCB-1254	ND		8.8	4.1	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20
PCB-1260	ND		8.8	4.1	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20
PCB-1262	ND		8.8	4.1	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20
PCB-1268	ND		8.8	4.1	mg/Kg	☼	10/22/14 10:37	10/23/14 22:01	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		46 - 175	10/22/14 10:37	10/23/14 22:01	20
DCB Decachlorobiphenyl	104		47 - 176	10/22/14 10:37	10/23/14 22:01	20

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1960		20.1	8.9	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-14

Date Collected: 10/16/14 11:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 51.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	17.2	J	30.2	0.81	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Arsenic	13.2		4.0	0.81	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Barium	982		1.0	0.22	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Beryllium	0.10	J	0.40	0.056	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Cadmium	70.9		0.40	0.060	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Calcium	6590	B	101	6.6	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Chromium	611		1.0	0.40	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Cobalt	14.1		1.0	0.10	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Copper	718		2.0	0.42	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Iron	60600		20.1	2.2	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Lead	1650		2.0	0.48	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Magnesium	1750		40.3	1.9	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Manganese	429	B	0.40	0.064	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Nickel	57.2		10.1	0.46	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Potassium	280		60.4	40.3	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Selenium	2.0	J B	8.1	0.81	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Silver	2.2		1.2	0.40	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Sodium	158	J	282	26.2	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Thallium	ND		12.1	0.60	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Vanadium	14.0		1.0	0.22	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1
Zinc	1810	B	4.0	0.31	mg/Kg	☼	10/20/14 13:17	10/22/14 13:20	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.6		0.36	0.15	mg/Kg	☼	10/20/14 11:35	10/20/14 15:34	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: SOUTHWEST SUMP

Lab Sample ID: 480-69465-15

Date Collected: 10/16/14 11:50

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 32.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		400	110	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,1,2,2-Tetrachloroethane	ND		400	65	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,1,2-Trichloroethane	ND		400	84	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,1-Dichloroethane	ND		400	120	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,1-Dichloroethene	ND		400	140	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,2,4-Trichlorobenzene	ND		400	150	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,2-Dibromo-3-Chloropropane	ND		400	200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,2-Dichlorobenzene	ND		400	100	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,2-Dichloroethane	ND		400	160	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,2-Dichloropropane	ND		400	64	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,3-Dichlorobenzene	ND		400	110	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
2-Butanone (MEK)	ND		2000	1200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
2-Hexanone	ND		2000	820	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
4-Methyl-2-pentanone (MIBK)	ND		2000	130	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Acetone	ND		2000	1600	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Benzene	ND		400	76	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Bromodichloromethane	ND		400	80	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Bromoform	ND		400	200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Bromomethane	ND		400	88	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Carbon disulfide	ND		400	180	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Carbon tetrachloride	ND		400	100	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Chlorobenzene	ND		400	53	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Dibromochloromethane	ND		400	190	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Chloroethane	ND		400	83	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Chloroform	ND		400	270	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Chloromethane	ND		400	95	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
cis-1,2-Dichloroethene	390	J	400	110	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
cis-1,3-Dichloropropene	ND		400	95	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Cyclohexane	ND		400	88	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Dichlorodifluoromethane	ND		400	170	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Ethylbenzene	ND		400	120	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
1,2-Dibromoethane	ND		400	70	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Isopropylbenzene	ND		400	60	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Methyl acetate	ND		400	190	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Methyl tert-butyl ether	ND		400	150	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Methylcyclohexane	ND		400	190	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Methylene Chloride	510	B	400	79	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Styrene	ND		400	96	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Tetrachloroethene	ND		400	53	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Toluene	ND		400	110	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
trans-1,2-Dichloroethene	ND		400	94	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
trans-1,3-Dichloropropene	ND		400	39	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Trichloroethene	320	J	400	110	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Trichlorofluoromethane	ND		400	190	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Vinyl chloride	ND		400	130	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1
Xylenes, Total	ND		800	67	ug/Kg	☼	10/29/14 11:23	10/30/14 15:25	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: SOUTHWEST SUMP

Lab Sample ID: 480-69465-15

Date Collected: 10/16/14 11:50

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 32.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	136		50 - 149	10/29/14 11:23	10/30/14 15:25	1
1,2-Dichloroethane-d4 (Surr)	129		53 - 146	10/29/14 11:23	10/30/14 15:25	1
4-Bromofluorobenzene (Surr)	122		49 - 148	10/29/14 11:23	10/30/14 15:25	1
Dibromofluoromethane (Surr)	125		60 - 140	10/29/14 11:23	10/30/14 15:25	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		340000	50000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
bis (2-chloroisopropyl) ether	ND		340000	68000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2,4,5-Trichlorophenol	ND		340000	92000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2,4,6-Trichlorophenol	ND		340000	68000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2,4-Dichlorophenol	ND		340000	36000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2,4-Dimethylphenol	ND		340000	82000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2,4-Dinitrophenol	ND		660000	200000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2,4-Dinitrotoluene	ND		340000	70000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2,6-Dinitrotoluene	ND		340000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2-Chloronaphthalene	ND		340000	56000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2-Chlorophenol	ND		340000	62000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2-Methylphenol	ND		340000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2-Methylnaphthalene	ND		340000	68000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2-Nitroaniline	ND		660000	50000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
2-Nitrophenol	ND		340000	96000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
3,3'-Dichlorobenzidine	ND		660000	400000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
3-Nitroaniline	ND		660000	94000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
4,6-Dinitro-2-methylphenol	ND		660000	340000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
4-Bromophenyl phenyl ether	ND		340000	48000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
4-Chloro-3-methylphenol	ND		340000	84000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
4-Chloroaniline	ND		340000	84000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
4-Chlorophenyl phenyl ether	ND		340000	42000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
4-Methylphenol	ND		660000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
4-Nitroaniline	ND		660000	180000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
4-Nitrophenol	ND		660000	240000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Acenaphthene	ND		340000	50000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Acenaphthylene	ND		340000	44000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Acetophenone	ND		340000	46000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Anthracene	ND		340000	84000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Atrazine	ND		340000	120000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Benzaldehyde	ND		340000	270000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Benzo[a]anthracene	150000	J	340000	34000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Benzo[a]pyrene	95000	J	340000	50000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Benzo[b]fluoranthene	160000	J	340000	54000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Benzo[g,h,i]perylene	65000	J	340000	36000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Benzo[k]fluoranthene	66000	J	340000	44000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Bis(2-chloroethoxy)methane	ND		340000	72000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Bis(2-chloroethyl)ether	ND		340000	44000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Bis(2-ethylhexyl) phthalate	ND		340000	120000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Butyl benzyl phthalate	ND		340000	56000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Caprolactam	ND *		340000	100000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Carbazole	ND		340000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Chrysene	120000	J	340000	76000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: SOUTHWEST SUMP

Lab Sample ID: 480-69465-15

Date Collected: 10/16/14 11:50

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 32.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		340000	60000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Di-n-butyl phthalate	ND		340000	58000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Di-n-octyl phthalate	ND		340000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Dibenzofuran	ND		340000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Diethyl phthalate	ND		340000	44000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Dimethyl phthalate	ND		340000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Fluoranthene	290000	J	340000	36000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Fluorene	ND		340000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Hexachlorobenzene	ND		340000	46000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Hexachlorobutadiene	ND		340000	50000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Hexachlorocyclopentadiene	ND		340000	46000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Hexachloroethane	ND		340000	44000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Indeno[1,2,3-cd]pyrene	51000	J	340000	42000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Isophorone	ND		340000	72000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
N-Nitrosodi-n-propylamine	ND		340000	58000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
N-Nitrosodiphenylamine	ND		340000	270000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Naphthalene	ND		340000	44000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Nitrobenzene	ND		340000	38000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Pentachlorophenol	ND		660000	340000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Phenanthrene	290000	J	340000	50000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Phenol	ND		340000	52000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50
Pyrene	270000	J	340000	40000	ug/Kg	☼	10/21/14 09:09	10/28/14 12:54	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	X	34 - 132	10/21/14 09:09	10/28/14 12:54	50
Phenol-d5 (Surr)	0	X	11 - 120	10/21/14 09:09	10/28/14 12:54	50
p-Terphenyl-d14 (Surr)	0	X	65 - 153	10/21/14 09:09	10/28/14 12:54	50
2,4,6-Tribromophenol (Surr)	0	X	39 - 146	10/21/14 09:09	10/28/14 12:54	50
2-Fluorobiphenyl	0	X	37 - 120	10/21/14 09:09	10/28/14 12:54	50
2-Fluorophenol (Surr)	0	X	18 - 120	10/21/14 09:09	10/28/14 12:54	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.70	0.14	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1
PCB-1221	ND		0.70	0.14	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1
PCB-1232	ND		0.70	0.14	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1
PCB-1242	ND		0.70	0.14	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1
PCB-1248	ND		0.70	0.14	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1
PCB-1254	12		0.70	0.33	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1
PCB-1260	ND		0.70	0.33	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1
PCB-1262	7.1		0.70	0.33	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1
PCB-1268	ND		0.70	0.33	mg/Kg	☼	10/22/14 10:37	10/23/14 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		46 - 175	10/22/14 10:37	10/23/14 22:16	1
DCB Decachlorobiphenyl	58		47 - 176	10/22/14 10:37	10/23/14 22:16	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4980		31.9	14.0	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: SOUTHWEST SUMP

Lab Sample ID: 480-69465-15

Date Collected: 10/16/14 11:50

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 32.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	18.7	J	47.8	1.3	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Arsenic	27.0		6.4	1.3	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Barium	11100		8.0	1.8	mg/Kg	☼	10/20/14 13:17	10/22/14 16:09	5
Beryllium	0.28	J	0.64	0.089	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Cadmium	177		0.64	0.096	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Calcium	18800	B	159	10.5	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Chromium	893		1.6	0.64	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Cobalt	14.8		1.6	0.16	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Copper	1370		3.2	0.67	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Iron	92400		31.9	3.5	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Lead	1950		3.2	0.76	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Magnesium	4800		63.7	3.0	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Manganese	666	B	0.64	0.10	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Nickel	82.5		15.9	0.73	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Potassium	463		95.6	63.7	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Selenium	4.2	J B	12.7	1.3	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Silver	4.5		1.9	0.64	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Sodium	194	J	446	41.4	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Thallium	ND		19.1	0.96	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Vanadium	29.0		1.6	0.35	mg/Kg	☼	10/20/14 13:17	10/22/14 13:23	1
Zinc	10100	^ B	31.9	2.4	mg/Kg	☼	10/20/14 13:17	10/22/14 16:09	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.0		0.57	0.23	mg/Kg	☼	10/20/14 11:35	10/20/14 15:35	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEEP SUMP

Lab Sample ID: 480-69465-16

Date Collected: 10/16/14 12:00

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			10/30/14 05:47	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			10/30/14 05:47	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/30/14 05:47	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			10/30/14 05:47	40
1,1-Dichloroethane	ND		40	15	ug/L			10/30/14 05:47	40
1,1-Dichloroethene	ND		40	12	ug/L			10/30/14 05:47	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			10/30/14 05:47	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			10/30/14 05:47	40
1,2-Dichlorobenzene	ND		40	32	ug/L			10/30/14 05:47	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/30/14 05:47	40
1,2-Dichloropropane	ND		40	29	ug/L			10/30/14 05:47	40
1,3-Dichlorobenzene	ND		40	31	ug/L			10/30/14 05:47	40
1,4-Dichlorobenzene	ND		40	34	ug/L			10/30/14 05:47	40
2-Butanone (MEK)	ND		400	53	ug/L			10/30/14 05:47	40
2-Hexanone	ND		200	50	ug/L			10/30/14 05:47	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/30/14 05:47	40
Acetone	ND		400	120	ug/L			10/30/14 05:47	40
Benzene	ND		40	16	ug/L			10/30/14 05:47	40
Bromodichloromethane	ND		40	16	ug/L			10/30/14 05:47	40
Bromoform	ND		40	10	ug/L			10/30/14 05:47	40
Bromomethane	ND		40	28	ug/L			10/30/14 05:47	40
Carbon disulfide	ND		40	7.6	ug/L			10/30/14 05:47	40
Carbon tetrachloride	ND		40	11	ug/L			10/30/14 05:47	40
Chlorobenzene	ND		40	30	ug/L			10/30/14 05:47	40
Dibromochloromethane	ND		40	13	ug/L			10/30/14 05:47	40
Chloroethane	ND		40	13	ug/L			10/30/14 05:47	40
Chloroform	ND		40	14	ug/L			10/30/14 05:47	40
Chloromethane	ND		40	14	ug/L			10/30/14 05:47	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			10/30/14 05:47	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/30/14 05:47	40
Cyclohexane	ND		40	7.2	ug/L			10/30/14 05:47	40
Dichlorodifluoromethane	ND *		40	27	ug/L			10/30/14 05:47	40
Ethylbenzene	ND		40	30	ug/L			10/30/14 05:47	40
1,2-Dibromoethane	ND		40	29	ug/L			10/30/14 05:47	40
Isopropylbenzene	ND		40	32	ug/L			10/30/14 05:47	40
Methyl acetate	ND		100	20	ug/L			10/30/14 05:47	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			10/30/14 05:47	40
Methylcyclohexane	ND		40	6.4	ug/L			10/30/14 05:47	40
Methylene Chloride	ND		40	18	ug/L			10/30/14 05:47	40
Styrene	ND		40	29	ug/L			10/30/14 05:47	40
Tetrachloroethene	ND		40	14	ug/L			10/30/14 05:47	40
Toluene	ND		40	20	ug/L			10/30/14 05:47	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/30/14 05:47	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/30/14 05:47	40
Trichloroethene	ND		40	18	ug/L			10/30/14 05:47	40
Trichlorofluoromethane	ND		40	35	ug/L			10/30/14 05:47	40
Vinyl chloride	ND		40	36	ug/L			10/30/14 05:47	40
Xylenes, Total	ND		80	26	ug/L			10/30/14 05:47	40

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEEP SUMP

Lab Sample ID: 480-69465-16

Date Collected: 10/16/14 12:00

Matrix: Water

Date Received: 10/16/14 17:08

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 126		10/30/14 05:47	40
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		10/30/14 05:47	40
4-Bromofluorobenzene (Surr)	101		73 - 120		10/30/14 05:47	40
Dibromofluoromethane (Surr)	104		60 - 140		10/30/14 05:47	40

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:06	1
PCB-1221	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:06	1
PCB-1232	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:06	1
PCB-1242	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:06	1
PCB-1248	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:06	1
PCB-1254	ND		0.47	0.23	ug/L		10/18/14 08:16	10/20/14 13:06	1
PCB-1260	ND		0.47	0.23	ug/L		10/18/14 08:16	10/20/14 13:06	1
PCB-1262	ND		0.47	0.23	ug/L		10/18/14 08:16	10/20/14 13:06	1
PCB-1268	ND		0.47	0.23	ug/L		10/18/14 08:16	10/20/14 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		23 - 127	10/18/14 08:16	10/20/14 13:06	1
DCB Decachlorobiphenyl	94		19 - 126	10/18/14 08:16	10/20/14 13:06	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: TRANSFORMER ROOM

Lab Sample ID: 480-69465-17

Date Collected: 10/16/14 12:05

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:21	1
PCB-1221	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:21	1
PCB-1232	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:21	1
PCB-1242	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:21	1
PCB-1248	ND		0.47	0.17	ug/L		10/18/14 08:16	10/20/14 13:21	1
PCB-1254	ND		0.47	0.24	ug/L		10/18/14 08:16	10/20/14 13:21	1
PCB-1260	ND		0.47	0.24	ug/L		10/18/14 08:16	10/20/14 13:21	1
PCB-1262	ND		0.47	0.24	ug/L		10/18/14 08:16	10/20/14 13:21	1
PCB-1268	ND		0.47	0.24	ug/L		10/18/14 08:16	10/20/14 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		23 - 127				10/18/14 08:16	10/20/14 13:21	1
DCB Decachlorobiphenyl	96		19 - 126				10/18/14 08:16	10/20/14 13:21	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: WEST SUMP

Lab Sample ID: 480-69465-18

Date Collected: 10/16/14 12:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 54.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	570	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,1,2,2-Tetrachloroethane	ND		2000	330	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,1,2-Trichloroethane	ND		2000	430	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	1000	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,1-Dichloroethane	ND		2000	630	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,1-Dichloroethene	ND		2000	710	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,2,4-Trichlorobenzene	ND		2000	780	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,2-Dibromo-3-Chloropropane	ND		2000	1000	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,2-Dichlorobenzene	ND		2000	520	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,2-Dichloroethane	ND		2000	840	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,2-Dichloropropane	ND		2000	330	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,3-Dichlorobenzene	ND		2000	550	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
2-Butanone (MEK)	ND		10000	6100	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
2-Hexanone	ND		10000	4200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
4-Methyl-2-pentanone (MIBK)	ND		10000	650	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Acetone	ND		10000	8400	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Benzene	ND		2000	390	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Bromodichloromethane	ND		2000	410	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Bromoform	ND		2000	1000	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Bromomethane	ND		2000	450	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Carbon disulfide	ND		2000	930	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Carbon tetrachloride	ND		2000	520	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Chlorobenzene	ND		2000	270	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Dibromochloromethane	ND		2000	990	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Chloroethane	ND		2000	430	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Chloroform	ND		2000	1400	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Chloromethane	ND		2000	490	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
cis-1,2-Dichloroethene	ND		2000	560	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
cis-1,3-Dichloropropene	ND		2000	490	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Cyclohexane	ND		2000	450	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Dichlorodifluoromethane	ND		2000	890	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Ethylbenzene	ND		2000	600	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
1,2-Dibromoethane	ND		2000	360	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Isopropylbenzene	ND		2000	310	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Methyl acetate	ND		2000	970	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Methyl tert-butyl ether	ND		2000	770	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Methylcyclohexane	ND		2000	960	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Methylene Chloride	1500	J B	2000	400	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Styrene	ND		2000	490	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Tetrachloroethene	ND		2000	270	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Toluene	ND		2000	550	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
trans-1,2-Dichloroethene	ND		2000	480	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
trans-1,3-Dichloropropene	ND		2000	200	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Trichloroethene	ND		2000	570	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Trichlorofluoromethane	ND		2000	960	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Vinyl chloride	ND		2000	690	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10
Xylenes, Total	ND		4100	340	ug/Kg	☼	10/29/14 11:23	10/30/14 15:49	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: WEST SUMP

Lab Sample ID: 480-69465-18

Date Collected: 10/16/14 12:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 54.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		50 - 149	10/29/14 11:23	10/30/14 15:49	10
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	10/29/14 11:23	10/30/14 15:49	10
4-Bromofluorobenzene (Surr)	84		49 - 148	10/29/14 11:23	10/30/14 15:49	10
Dibromofluoromethane (Surr)	84		60 - 140	10/29/14 11:23	10/30/14 15:49	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		110000	16000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
bis (2-chloroisopropyl) ether	ND		110000	22000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2,4,5-Trichlorophenol	ND		110000	30000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2,4,6-Trichlorophenol	ND		110000	22000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2,4-Dichlorophenol	ND		110000	12000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2,4-Dimethylphenol	ND		110000	26000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2,4-Dinitrophenol	ND		210000	66000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2,4-Dinitrotoluene	ND		110000	23000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2,6-Dinitrotoluene	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2-Chloronaphthalene	ND		110000	18000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2-Chlorophenol	ND		110000	20000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2-Methylphenol	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2-Methylnaphthalene	ND		110000	22000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2-Nitroaniline	ND		210000	16000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
2-Nitrophenol	ND		110000	31000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
3,3'-Dichlorobenzidine	ND		210000	130000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
3-Nitroaniline	ND		210000	30000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
4,6-Dinitro-2-methylphenol	ND		210000	110000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
4-Bromophenyl phenyl ether	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
4-Chloro-3-methylphenol	ND		110000	27000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
4-Chloroaniline	ND		110000	27000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
4-Chlorophenyl phenyl ether	ND		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
4-Methylphenol	ND		210000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
4-Nitroaniline	ND		210000	57000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
4-Nitrophenol	ND		210000	77000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Acenaphthene	ND		110000	16000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Acenaphthylene	ND		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Acetophenone	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Anthracene	ND		110000	27000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Atrazine	ND		110000	38000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Benzaldehyde	ND		110000	87000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Benzo[a]anthracene	60000	J	110000	11000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Benzo[a]pyrene	47000	J	110000	16000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Benzo[b]fluoranthene	79000	J	110000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Benzo[g,h,i]perylene	38000	J	110000	12000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Benzo[k]fluoranthene	33000	J	110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Bis(2-chloroethoxy)methane	ND		110000	23000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Bis(2-chloroethyl)ether	ND		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Bis(2-ethylhexyl) phthalate	ND		110000	37000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Butyl benzyl phthalate	ND		110000	18000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Caprolactam	ND	*	110000	33000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Carbazole	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Chrysene	66000	J	110000	24000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: WEST SUMP

Lab Sample ID: 480-69465-18

Date Collected: 10/16/14 12:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 54.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		110000	19000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Di-n-butyl phthalate	ND		110000	19000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Di-n-octyl phthalate	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Dibenzofuran	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Diethyl phthalate	ND		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Dimethyl phthalate	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Fluoranthene	140000		110000	12000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Fluorene	ND		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Hexachlorobenzene	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Hexachlorobutadiene	ND		110000	16000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Hexachlorocyclopentadiene	ND		110000	15000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Hexachloroethane	ND		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Indeno[1,2,3-cd]pyrene	30000 J		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Isophorone	ND		110000	23000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
N-Nitrosodi-n-propylamine	ND		110000	19000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
N-Nitrosodiphenylamine	ND		110000	89000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Naphthalene	ND		110000	14000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Nitrobenzene	ND		110000	12000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Pentachlorophenol	ND		210000	110000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Phenanthrene	85000 J		110000	16000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Phenol	ND		110000	17000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50
Pyrene	110000		110000	13000	ug/Kg	☼	10/21/14 09:09	10/28/14 13:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	X	34 - 132	10/21/14 09:09	10/28/14 13:18	50
Phenol-d5 (Surr)	0	X	11 - 120	10/21/14 09:09	10/28/14 13:18	50
p-Terphenyl-d14 (Surr)	0	X	65 - 153	10/21/14 09:09	10/28/14 13:18	50
2,4,6-Tribromophenol (Surr)	0	X	39 - 146	10/21/14 09:09	10/28/14 13:18	50
2-Fluorobiphenyl	0	X	37 - 120	10/21/14 09:09	10/28/14 13:18	50
2-Fluorophenol (Surr)	0	X	18 - 120	10/21/14 09:09	10/28/14 13:18	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.39	0.076	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1
PCB-1221	ND		0.39	0.076	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1
PCB-1232	ND		0.39	0.076	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1
PCB-1242	ND		0.39	0.076	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1
PCB-1248	ND		0.39	0.076	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1
PCB-1254	ND		0.39	0.18	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1
PCB-1260	ND		0.39	0.18	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1
PCB-1262	ND		0.39	0.18	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1
PCB-1268	ND		0.39	0.18	mg/Kg	☼	10/22/14 10:37	10/23/14 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		46 - 175	10/22/14 10:37	10/23/14 22:31	1
DCB Decachlorobiphenyl	73		47 - 176	10/22/14 10:37	10/23/14 22:31	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1320		18.4	8.1	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: WEST SUMP

Lab Sample ID: 480-69465-18

Date Collected: 10/16/14 12:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 54.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3.1	J	27.5	0.73	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Arsenic	6.0		3.7	0.73	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Barium	281		0.92	0.20	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Beryllium	ND		0.37	0.051	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Cadmium	12.6		0.37	0.055	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Calcium	51500	B	91.8	6.1	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Chromium	30.6		0.92	0.37	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Cobalt	11.4		0.92	0.092	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Copper	739		1.8	0.39	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Iron	51600		18.4	2.0	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Lead	112		1.8	0.44	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Magnesium	19000		36.7	1.7	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Manganese	709	B	0.37	0.059	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Nickel	23.0		9.2	0.42	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Potassium	125		55.1	36.7	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Selenium	1.9	J B	7.3	0.73	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Silver	5.5		1.1	0.37	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Sodium	211	J	257	23.9	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Thallium	ND		11.0	0.55	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Vanadium	6.7		0.92	0.20	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1
Zinc	682	B	3.7	0.28	mg/Kg	☼	10/20/14 13:17	10/22/14 13:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.83		0.038	0.015	mg/Kg	☼	10/20/14 11:35	10/20/14 14:41	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-69465-19

Date Collected: 10/16/14 00:00

Matrix: Water

Date Received: 10/16/14 17:08

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/14 00:11	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/14 00:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/14 00:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/30/14 00:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/14 00:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/14 00:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/30/14 00:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/30/14 00:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/30/14 00:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/14 00:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/14 00:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/30/14 00:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/30/14 00:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/14 00:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/14 00:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/14 00:11	1
Acetone	ND		10	3.0	ug/L			10/30/14 00:11	1
Benzene	ND		1.0	0.41	ug/L			10/30/14 00:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/14 00:11	1
Bromoform	ND		1.0	0.26	ug/L			10/30/14 00:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/14 00:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/14 00:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/14 00:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/14 00:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/14 00:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/14 00:11	1
Chloroform	ND		1.0	0.34	ug/L			10/30/14 00:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/14 00:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/30/14 00:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/14 00:11	1
Cyclohexane	ND		1.0	0.18	ug/L			10/30/14 00:11	1
Dichlorodifluoromethane	ND *		1.0	0.68	ug/L			10/30/14 00:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/14 00:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/30/14 00:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/30/14 00:11	1
Methyl acetate	ND		2.5	0.50	ug/L			10/30/14 00:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/30/14 00:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/30/14 00:11	1
Methylene Chloride	1.1		1.0	0.44	ug/L			10/30/14 00:11	1
Styrene	ND		1.0	0.73	ug/L			10/30/14 00:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/14 00:11	1
Toluene	ND		1.0	0.51	ug/L			10/30/14 00:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/14 00:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/14 00:11	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/14 00:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/30/14 00:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/14 00:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/14 00:11	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-69465-19

Date Collected: 10/16/14 00:00

Matrix: Water

Date Received: 10/16/14 17:08

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	100		71 - 126		10/30/14 00:11	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	97		66 - 137		10/30/14 00:11	1
<i>4-Bromofluorobenzene (Surr)</i>	106		73 - 120		10/30/14 00:11	1
<i>Dibromofluoromethane (Surr)</i>	101		60 - 140		10/30/14 00:11	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	12DCE (53-146)	BFB (49-148)	DBFM (60-140)
480-69465-14	DEGREASER SUMP	121	125	103	126
480-69465-15	SOUTHWEST SUMP	136	129	122	125
480-69465-18	WEST SUMP	93	94	84	84
LCS 480-210757/1-A	Lab Control Sample	112	105	111	110
LCS 480-211010/5	Lab Control Sample	98	89	94	97
MB 480-210757/2-A	Method Blank	118	110	105	98
MB 480-211010/7	Method Blank	97	90	91	98

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-126)	12DCE (66-137)	BFB (73-120)	DBFM (60-140)
480-69465-1	MW1-10	96	96	105	103
480-69465-2	MW2-10	98	94	103	99
480-69465-3	MW3-10	99	98	106	104
480-69465-4	MW4-10	98	96	100	104
480-69465-5	MW5-10	100	96	104	104
480-69465-5 - DL	MW5-10	96	96	102	103
480-69465-5 MS	MW5-10	99	97	103	106
480-69465-5 MSD	MW5-10	98	97	102	106
480-69465-6	MW7-03	98	94	102	101
480-69465-7	MW11-03	99	97	105	103
480-69465-7 MS	MW11-03	98	95	104	103
480-69465-7 MSD	MW11-03	99	97	103	104
480-69465-8	MW14-03	99	96	104	104
480-69465-9	MW-2	98	96	101	102
480-69465-10	MW-7	100	96	100	105
480-69465-10 - DL	MW-7	97	97	103	104
480-69465-11	MW-8	102	95	105	103
480-69465-12	MW-1	99	97	103	102
480-69465-13	DEGREASER SUMP	97	97	101	104
480-69465-16	DEEP SUMP	98	95	101	104
480-69465-19	TRIP BLANK	100	97	106	101
LCS 480-210858/5	Lab Control Sample	98	94	103	102
LCS 480-211006/5	Lab Control Sample	99	96	105	105
LCS 480-211391/4	Lab Control Sample	99	96	102	105
MB 480-210858/7	Method Blank	98	96	104	104
MB 480-211006/7	Method Blank	97	97	102	100
MB 480-211391/6	Method Blank	96	96	103	101

Surrogate Legend

TOL = Toluene-d8 (Surr)

TestAmerica Buffalo

Surrogate Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (34-132)	PHL (11-120)	TPH (65-153)	TBP (39-146)	FBP (37-120)	2FP (18-120)
480-69465-14	DEGREASER SUMP	0 X	0 X	0 X	0 X	0 X	0 X
480-69465-15	SOUTHWEST SUMP	0 X	0 X	0 X	0 X	0 X	0 X
480-69465-18	WEST SUMP	0 X	0 X	0 X	0 X	0 X	0 X
LCS 480-208998/2-A	Lab Control Sample	86	88	109	102	96	86
MB 480-208998/1-A	Method Blank	88	85	107	92	93	85

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (46-175)	DCB2 (47-176)
480-69465-14	DEGREASER SUMP	110	104
480-69465-15	SOUTHWEST SUMP	83	58
480-69465-18	WEST SUMP	98	73
LCS 480-209286/2-A	Lab Control Sample	120	120
MB 480-209286/1-A	Method Blank	107	111

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (23-127)	DCB2 (19-126)
480-69465-13	DEGREASER SUMP	70	85
480-69465-16	DEEP SUMP	88	94
480-69465-17	TRANSFORMER ROOM	85	96
LCS 480-208570/2-A	Lab Control Sample	79	71
LCSD 480-208570/3-A	Lab Control Sample Dup	82	71
MB 480-208570/1-A	Method Blank	74	69

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-210757/2-A

Matrix: Solid

Analysis Batch: 210856

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210757

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		91	25	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,1,2,2-Tetrachloroethane	ND		91	15	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,1,2-Trichloroethane	ND		91	19	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		91	46	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,1-Dichloroethane	ND		91	28	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,1-Dichloroethene	ND		91	32	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,2,4-Trichlorobenzene	ND		91	35	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,2-Dibromo-3-Chloropropane	ND		91	46	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,2-Dichlorobenzene	ND		91	23	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,2-Dichloroethane	ND		91	37	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,2-Dichloropropane	ND		91	15	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,3-Dichlorobenzene	ND		91	24	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,4-Dichlorobenzene	ND		91	13	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
2-Butanone (MEK)	ND		460	270	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
2-Hexanone	ND		460	190	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
4-Methyl-2-pentanone (MIBK)	ND		460	29	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Acetone	ND		460	380	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Benzene	ND		91	17	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Bromodichloromethane	ND		91	18	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Bromoform	ND		91	46	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Bromomethane	ND		91	20	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Carbon disulfide	ND		91	42	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Carbon tetrachloride	ND		91	23	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Chlorobenzene	ND		91	12	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Dibromochloromethane	ND		91	44	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Chloroethane	ND		91	19	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Chloroform	ND		91	63	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Chloromethane	ND		91	22	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
cis-1,2-Dichloroethene	ND		91	25	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
cis-1,3-Dichloropropene	ND		91	22	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Cyclohexane	ND		91	20	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Dichlorodifluoromethane	ND		91	40	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Ethylbenzene	ND		91	27	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
1,2-Dibromoethane	ND		91	16	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Isopropylbenzene	ND		91	14	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Methyl acetate	ND		91	44	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Methyl tert-butyl ether	ND		91	35	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Methylcyclohexane	ND		91	43	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Methylene Chloride	ND		91	18	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Styrene	ND		91	22	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Tetrachloroethene	ND		91	12	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Toluene	ND		91	24	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
trans-1,2-Dichloroethene	ND		91	22	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
trans-1,3-Dichloropropene	ND		91	9.0	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Trichloroethene	ND		91	25	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Trichlorofluoromethane	ND		91	43	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Vinyl chloride	ND		91	31	ug/Kg		10/29/14 11:23	10/29/14 23:08	1
Xylenes, Total	ND		180	15	ug/Kg		10/29/14 11:23	10/29/14 23:08	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-210757/2-A

Matrix: Solid

Analysis Batch: 210856

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210757

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	118		50 - 149	10/29/14 11:23	10/29/14 23:08	1
1,2-Dichloroethane-d4 (Surr)	110		53 - 146	10/29/14 11:23	10/29/14 23:08	1
4-Bromofluorobenzene (Surr)	105		49 - 148	10/29/14 11:23	10/29/14 23:08	1
Dibromofluoromethane (Surr)	98		60 - 140	10/29/14 11:23	10/29/14 23:08	1

Lab Sample ID: LCS 480-210757/1-A

Matrix: Solid

Analysis Batch: 210856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2720	2600		ug/Kg		95	78 - 121
1,1-Dichloroethene	2720	2200		ug/Kg		81	48 - 133
1,2-Dichlorobenzene	2720	2630		ug/Kg		97	78 - 125
1,2-Dichloroethane	2720	2340		ug/Kg		86	74 - 127
Benzene	2720	2700		ug/Kg		99	77 - 125
Chlorobenzene	2720	2660		ug/Kg		98	76 - 126
cis-1,2-Dichloroethene	2720	2680		ug/Kg		98	79 - 124
Ethylbenzene	2720	2760		ug/Kg		101	78 - 124
Methyl tert-butyl ether	2720	2460		ug/Kg		90	67 - 137
Tetrachloroethene	2720	2570		ug/Kg		94	73 - 133
Toluene	2720	2690		ug/Kg		99	75 - 124
trans-1,2-Dichloroethene	2720	2630		ug/Kg		97	74 - 129
Trichloroethene	2720	2560		ug/Kg		94	75 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	112		50 - 149
1,2-Dichloroethane-d4 (Surr)	105		53 - 146
4-Bromofluorobenzene (Surr)	111		49 - 148
Dibromofluoromethane (Surr)	110		60 - 140

Lab Sample ID: MB 480-210858/7

Matrix: Water

Analysis Batch: 210858

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/29/14 23:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/29/14 23:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/29/14 23:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/29/14 23:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/29/14 23:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/29/14 23:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/29/14 23:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/29/14 23:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/29/14 23:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/29/14 23:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/29/14 23:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/29/14 23:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/29/14 23:32	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-210858/7

Matrix: Water

Analysis Batch: 210858

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			10/29/14 23:32	1
2-Hexanone	ND		5.0	1.2	ug/L			10/29/14 23:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/29/14 23:32	1
Acetone	ND		10	3.0	ug/L			10/29/14 23:32	1
Benzene	ND		1.0	0.41	ug/L			10/29/14 23:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/29/14 23:32	1
Bromoform	ND		1.0	0.26	ug/L			10/29/14 23:32	1
Bromomethane	ND		1.0	0.69	ug/L			10/29/14 23:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/29/14 23:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/29/14 23:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/29/14 23:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/29/14 23:32	1
Chloroethane	ND		1.0	0.32	ug/L			10/29/14 23:32	1
Chloroform	ND		1.0	0.34	ug/L			10/29/14 23:32	1
Chloromethane	ND		1.0	0.35	ug/L			10/29/14 23:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/29/14 23:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/29/14 23:32	1
Cyclohexane	ND		1.0	0.18	ug/L			10/29/14 23:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/29/14 23:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/29/14 23:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/29/14 23:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/29/14 23:32	1
Methyl acetate	ND		2.5	0.50	ug/L			10/29/14 23:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/29/14 23:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/29/14 23:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/29/14 23:32	1
Styrene	ND		1.0	0.73	ug/L			10/29/14 23:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/29/14 23:32	1
Toluene	ND		1.0	0.51	ug/L			10/29/14 23:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/29/14 23:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/29/14 23:32	1
Trichloroethene	ND		1.0	0.46	ug/L			10/29/14 23:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/29/14 23:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/29/14 23:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/29/14 23:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 126		10/29/14 23:32	1
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		10/29/14 23:32	1
4-Bromofluorobenzene (Surr)	104		73 - 120		10/29/14 23:32	1
Dibromofluoromethane (Surr)	104		60 - 140		10/29/14 23:32	1

Lab Sample ID: LCS 480-210858/5

Matrix: Water

Analysis Batch: 210858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	22.9		ug/L		92	71 - 129

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-210858/5

Matrix: Water

Analysis Batch: 210858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	22.8		ug/L		91	58 - 121
1,2-Dichlorobenzene	25.0	23.4		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	21.3		ug/L		85	75 - 127
Benzene	25.0	23.2		ug/L		93	71 - 124
Chlorobenzene	25.0	23.7		ug/L		95	72 - 120
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Methyl tert-butyl ether	25.0	23.4		ug/L		94	64 - 127
Tetrachloroethene	25.0	23.3		ug/L		93	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127
Trichloroethene	25.0	23.9		ug/L		96	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 126
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	102		60 - 140

Lab Sample ID: MB 480-211006/7

Matrix: Water

Analysis Batch: 211006

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/14 14:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/14 14:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/14 14:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/30/14 14:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/14 14:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/14 14:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/30/14 14:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/30/14 14:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/30/14 14:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/14 14:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/14 14:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/30/14 14:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/30/14 14:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/14 14:51	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/14 14:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/14 14:51	1
Acetone	ND		10	3.0	ug/L			10/30/14 14:51	1
Benzene	ND		1.0	0.41	ug/L			10/30/14 14:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/14 14:51	1
Bromoform	ND		1.0	0.26	ug/L			10/30/14 14:51	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/14 14:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/14 14:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/14 14:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/14 14:51	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-211006/7

Matrix: Water

Analysis Batch: 211006

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/14 14:51	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/14 14:51	1
Chloroform	ND		1.0	0.34	ug/L			10/30/14 14:51	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/14 14:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/30/14 14:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/14 14:51	1
Cyclohexane	ND		1.0	0.18	ug/L			10/30/14 14:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/30/14 14:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/14 14:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/30/14 14:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/30/14 14:51	1
Methyl acetate	ND		2.5	0.50	ug/L			10/30/14 14:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/30/14 14:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/30/14 14:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/14 14:51	1
Styrene	ND		1.0	0.73	ug/L			10/30/14 14:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/14 14:51	1
Toluene	ND		1.0	0.51	ug/L			10/30/14 14:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/14 14:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/14 14:51	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/14 14:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/30/14 14:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/14 14:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/14 14:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 126		10/30/14 14:51	1
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		10/30/14 14:51	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/30/14 14:51	1
Dibromofluoromethane (Surr)	100		60 - 140		10/30/14 14:51	1

Lab Sample ID: LCS 480-211006/5

Matrix: Water

Analysis Batch: 211006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	21.9		ug/L		88	71 - 129
1,1-Dichloroethene	25.0	21.9		ug/L		88	58 - 121
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	21.2		ug/L		85	75 - 127
Benzene	25.0	22.6		ug/L		91	71 - 124
Chlorobenzene	25.0	22.9		ug/L		91	72 - 120
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
Ethylbenzene	25.0	22.3		ug/L		89	77 - 123
Methyl tert-butyl ether	25.0	22.9		ug/L		91	64 - 127
Tetrachloroethene	25.0	22.0		ug/L		88	74 - 122
Toluene	25.0	22.5		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-211006/5

Matrix: Water

Analysis Batch: 211006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	22.9		ug/L		92	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 126
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	105		60 - 140

Lab Sample ID: 480-69465-7 MS

Matrix: Water

Analysis Batch: 211006

Client Sample ID: MW11-03

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	78	H	125	187	H	ug/L		87	71 - 129
1,1-Dichloroethene	ND	H	125	112	H	ug/L		89	58 - 121
1,2-Dichlorobenzene	ND	H	125	117	H	ug/L		93	80 - 124
1,2-Dichloroethane	ND	H	125	106	H	ug/L		85	75 - 127
Benzene	14	H	125	127	H	ug/L		90	71 - 124
Chlorobenzene	ND	H	125	117	H	ug/L		93	72 - 120
cis-1,2-Dichloroethene	ND	H	125	116	H	ug/L		93	74 - 124
Ethylbenzene	ND	H	125	116	H	ug/L		93	77 - 123
Methyl tert-butyl ether	ND	H	125	112	H	ug/L		89	64 - 127
Tetrachloroethene	ND	H	125	116	H	ug/L		93	74 - 122
Toluene	ND	H	125	117	H	ug/L		93	80 - 122
trans-1,2-Dichloroethene	ND	H	125	117	H	ug/L		94	73 - 127
Trichloroethene	2.5	J H	125	117	H	ug/L		92	74 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 126
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	103		60 - 140

Lab Sample ID: 480-69465-7 MSD

Matrix: Water

Analysis Batch: 211006

Client Sample ID: MW11-03

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethane	78	H	125	185	H	ug/L		86	71 - 129	1	20
1,1-Dichloroethene	ND	H	125	115	H	ug/L		92	58 - 121	3	16
1,2-Dichlorobenzene	ND	H	125	113	H	ug/L		91	80 - 124	3	20
1,2-Dichloroethane	ND	H	125	102	H	ug/L		82	75 - 127	3	20
Benzene	14	H	125	124	H	ug/L		88	71 - 124	2	13
Chlorobenzene	ND	H	125	114	H	ug/L		91	72 - 120	2	25
cis-1,2-Dichloroethene	ND	H	125	117	H	ug/L		94	74 - 124	1	15
Ethylbenzene	ND	H	125	114	H	ug/L		92	77 - 123	1	15
Methyl tert-butyl ether	ND	H	125	111	H	ug/L		89	64 - 127	0	37
Tetrachloroethene	ND	H	125	119	H	ug/L		95	74 - 122	2	20

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-69465-7 MSD

Matrix: Water

Analysis Batch: 211006

Client Sample ID: MW11-03

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND	H	125	115	H	ug/L		92	80 - 122	1	15
trans-1,2-Dichloroethene	ND	H	125	114	H	ug/L		92	73 - 127	2	20
Trichloroethene	2.5	J H	125	116	H	ug/L		91	74 - 123	1	16
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	99		71 - 126								
1,2-Dichloroethane-d4 (Surr)	97		66 - 137								
4-Bromofluorobenzene (Surr)	103		73 - 120								
Dibromofluoromethane (Surr)	104		60 - 140								

Lab Sample ID: MB 480-211010/7

Matrix: Solid

Analysis Batch: 211010

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.28	ug/Kg			10/30/14 11:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/Kg			10/30/14 11:55	1
1,1,1,2-Trichloroethane	ND		1.0	0.21	ug/Kg			10/30/14 11:55	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.50	ug/Kg			10/30/14 11:55	1
1,1-Dichloroethane	ND		1.0	0.31	ug/Kg			10/30/14 11:55	1
1,1-Dichloroethene	ND		1.0	0.35	ug/Kg			10/30/14 11:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.38	ug/Kg			10/30/14 11:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/Kg			10/30/14 11:55	1
1,2-Dichlorobenzene	ND		1.0	0.26	ug/Kg			10/30/14 11:55	1
1,2-Dichloroethane	ND		1.0	0.41	ug/Kg			10/30/14 11:55	1
1,2-Dichloropropane	ND		1.0	0.16	ug/Kg			10/30/14 11:55	1
1,3-Dichlorobenzene	ND		1.0	0.27	ug/Kg			10/30/14 11:55	1
2-Butanone (MEK)	ND		5.0	3.0	ug/Kg			10/30/14 11:55	1
2-Hexanone	ND		5.0	2.1	ug/Kg			10/30/14 11:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.32	ug/Kg			10/30/14 11:55	1
Acetone	ND		5.0	4.1	ug/Kg			10/30/14 11:55	1
Benzene	ND		1.0	0.19	ug/Kg			10/30/14 11:55	1
Bromodichloromethane	ND		1.0	0.20	ug/Kg			10/30/14 11:55	1
Bromoform	ND		1.0	0.50	ug/Kg			10/30/14 11:55	1
Bromomethane	ND		1.0	0.22	ug/Kg			10/30/14 11:55	1
Carbon disulfide	ND		1.0	0.46	ug/Kg			10/30/14 11:55	1
Carbon tetrachloride	ND		1.0	0.26	ug/Kg			10/30/14 11:55	1
Chlorobenzene	ND		1.0	0.13	ug/Kg			10/30/14 11:55	1
Dibromochloromethane	ND		1.0	0.48	ug/Kg			10/30/14 11:55	1
Chloroethane	ND		1.0	0.21	ug/Kg			10/30/14 11:55	1
Chloroform	ND		1.0	0.69	ug/Kg			10/30/14 11:55	1
Chloromethane	ND		1.0	0.24	ug/Kg			10/30/14 11:55	1
cis-1,2-Dichloroethene	ND		1.0	0.28	ug/Kg			10/30/14 11:55	1
cis-1,3-Dichloropropene	ND		1.0	0.24	ug/Kg			10/30/14 11:55	1
Cyclohexane	ND		1.0	0.22	ug/Kg			10/30/14 11:55	1
Dichlorodifluoromethane	ND		1.0	0.44	ug/Kg			10/30/14 11:55	1
Ethylbenzene	ND		1.0	0.29	ug/Kg			10/30/14 11:55	1
1,2-Dibromoethane	ND		1.0	0.18	ug/Kg			10/30/14 11:55	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-211010/7

Matrix: Solid

Analysis Batch: 211010

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.15	ug/Kg			10/30/14 11:55	1
Methyl acetate	ND		1.0	0.48	ug/Kg			10/30/14 11:55	1
Methyl tert-butyl ether	ND		1.0	0.38	ug/Kg			10/30/14 11:55	1
Methylcyclohexane	ND		1.0	0.47	ug/Kg			10/30/14 11:55	1
Methylene Chloride	0.741	J	1.0	0.20	ug/Kg			10/30/14 11:55	1
Styrene	ND		1.0	0.24	ug/Kg			10/30/14 11:55	1
Tetrachloroethene	ND		1.0	0.13	ug/Kg			10/30/14 11:55	1
Toluene	ND		1.0	0.27	ug/Kg			10/30/14 11:55	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/Kg			10/30/14 11:55	1
trans-1,3-Dichloropropene	ND		1.0	0.098	ug/Kg			10/30/14 11:55	1
Trichloroethene	ND		1.0	0.28	ug/Kg			10/30/14 11:55	1
Trichlorofluoromethane	ND		1.0	0.47	ug/Kg			10/30/14 11:55	1
Vinyl chloride	ND		1.0	0.34	ug/Kg			10/30/14 11:55	1
Xylenes, Total	ND		2.0	0.17	ug/Kg			10/30/14 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		50 - 149		10/30/14 11:55	1
1,2-Dichloroethane-d4 (Surr)	90		53 - 146		10/30/14 11:55	1
4-Bromofluorobenzene (Surr)	91		49 - 148		10/30/14 11:55	1
Dibromofluoromethane (Surr)	98		60 - 140		10/30/14 11:55	1

Lab Sample ID: LCS 480-211010/5

Matrix: Solid

Analysis Batch: 211010

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	22.7		ug/Kg		91	78 - 121
1,1-Dichloroethene	25.0	20.8		ug/Kg		83	48 - 133
1,2-Dichlorobenzene	25.0	22.4		ug/Kg		90	78 - 125
1,2-Dichloroethane	25.0	20.3		ug/Kg		81	74 - 127
Benzene	25.0	22.7		ug/Kg		91	77 - 125
Chlorobenzene	25.0	22.5		ug/Kg		90	76 - 126
cis-1,2-Dichloroethene	25.0	23.7		ug/Kg		95	79 - 124
Ethylbenzene	25.0	23.2		ug/Kg		93	78 - 124
Methyl tert-butyl ether	25.0	23.0		ug/Kg		92	67 - 137
Tetrachloroethene	25.0	21.8		ug/Kg		87	73 - 133
Toluene	25.0	22.8		ug/Kg		91	75 - 124
trans-1,2-Dichloroethene	25.0	23.2		ug/Kg		93	74 - 129
Trichloroethene	25.0	21.5		ug/Kg		86	75 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		50 - 149
1,2-Dichloroethane-d4 (Surr)	89		53 - 146
4-Bromofluorobenzene (Surr)	94		49 - 148
Dibromofluoromethane (Surr)	97		60 - 140

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-211391/6

Matrix: Water

Analysis Batch: 211391

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/31/14 21:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/31/14 21:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/31/14 21:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/31/14 21:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/31/14 21:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/31/14 21:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/31/14 21:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/31/14 21:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/31/14 21:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/31/14 21:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/31/14 21:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/31/14 21:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/31/14 21:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/31/14 21:55	1
2-Hexanone	ND		5.0	1.2	ug/L			10/31/14 21:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/31/14 21:55	1
Acetone	ND		10	3.0	ug/L			10/31/14 21:55	1
Benzene	ND		1.0	0.41	ug/L			10/31/14 21:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/31/14 21:55	1
Bromoform	ND		1.0	0.26	ug/L			10/31/14 21:55	1
Bromomethane	ND		1.0	0.69	ug/L			10/31/14 21:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/31/14 21:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/31/14 21:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/31/14 21:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/31/14 21:55	1
Chloroethane	ND		1.0	0.32	ug/L			10/31/14 21:55	1
Chloroform	ND		1.0	0.34	ug/L			10/31/14 21:55	1
Chloromethane	ND		1.0	0.35	ug/L			10/31/14 21:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/31/14 21:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/31/14 21:55	1
Cyclohexane	ND		1.0	0.18	ug/L			10/31/14 21:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/31/14 21:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/31/14 21:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/31/14 21:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/31/14 21:55	1
Methyl acetate	ND		2.5	0.50	ug/L			10/31/14 21:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/31/14 21:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/31/14 21:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/31/14 21:55	1
Styrene	ND		1.0	0.73	ug/L			10/31/14 21:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/31/14 21:55	1
Toluene	ND		1.0	0.51	ug/L			10/31/14 21:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/31/14 21:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/31/14 21:55	1
Trichloroethene	ND		1.0	0.46	ug/L			10/31/14 21:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/31/14 21:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/31/14 21:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/31/14 21:55	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-211391/6

Matrix: Water

Analysis Batch: 211391

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		71 - 126		10/31/14 21:55	1
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		10/31/14 21:55	1
4-Bromofluorobenzene (Surr)	103		73 - 120		10/31/14 21:55	1
Dibromofluoromethane (Surr)	101		60 - 140		10/31/14 21:55	1

Lab Sample ID: LCS 480-211391/4

Matrix: Water

Analysis Batch: 211391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.8		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	27.2		ug/L		109	58 - 121
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	22.9		ug/L		91	75 - 127
Benzene	25.0	25.2		ug/L		101	71 - 124
Chlorobenzene	25.0	24.4		ug/L		97	72 - 120
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Methyl tert-butyl ether	25.0	25.1		ug/L		100	64 - 127
Tetrachloroethene	25.0	25.4		ug/L		101	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
Trichloroethene	25.0	26.1		ug/L		105	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 126
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	105		60 - 140

Lab Sample ID: 480-69465-5 MS

Matrix: Water

Analysis Batch: 211391

Client Sample ID: MW5-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2100	H	5000	7250		ug/L		103	71 - 129
1,1-Dichloroethene	230	H	5000	6170		ug/L		119	58 - 121
1,2-Dichlorobenzene	ND	H	5000	5080		ug/L		102	80 - 124
1,2-Dichloroethane	ND	H	5000	4950		ug/L		99	75 - 127
Benzene	ND	H	5000	5350		ug/L		107	71 - 124
Chlorobenzene	ND	H	5000	5180		ug/L		104	72 - 120
cis-1,2-Dichloroethene	ND	H	5000	5620		ug/L		112	74 - 124
Ethylbenzene	ND	H	5000	5200		ug/L		104	77 - 123
Methyl tert-butyl ether	ND	H	5000	5170		ug/L		103	64 - 127
Tetrachloroethene	ND	H	5000	5520		ug/L		110	74 - 122
Toluene	ND	H	5000	5230		ug/L		105	80 - 122
trans-1,2-Dichloroethene	ND	H	5000	5550		ug/L		111	73 - 127
Trichloroethene	ND	H	5000	5490		ug/L		110	74 - 123

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-69465-5 MS

Matrix: Water

Analysis Batch: 211391

Client Sample ID: MW5-10

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 126
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	106		60 - 140

Lab Sample ID: 480-69465-5 MSD

Matrix: Water

Analysis Batch: 211391

Client Sample ID: MW5-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	2100	H	5000	6860		ug/L		95	71 - 129	6	20
1,1-Dichloroethene	230	H	5000	5790		ug/L		111	58 - 121	6	16
1,2-Dichlorobenzene	ND	H	5000	5000		ug/L		100	80 - 124	2	20
1,2-Dichloroethane	ND	H	5000	4750		ug/L		95	75 - 127	4	20
Benzene	ND	H	5000	5030		ug/L		101	71 - 124	6	13
Chlorobenzene	ND	H	5000	4960		ug/L		99	72 - 120	4	25
cis-1,2-Dichloroethene	ND	H	5000	5190		ug/L		104	74 - 124	8	15
Ethylbenzene	ND	H	5000	4960		ug/L		99	77 - 123	5	15
Methyl tert-butyl ether	ND	H	5000	5080		ug/L		102	64 - 127	2	37
Tetrachloroethene	ND	H	5000	5060		ug/L		101	74 - 122	9	20
Toluene	ND	H	5000	5020		ug/L		100	80 - 122	4	15
trans-1,2-Dichloroethene	ND	H	5000	5270		ug/L		105	73 - 127	5	20
Trichloroethene	ND	H	5000	5280		ug/L		106	74 - 123	4	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 126
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	106		60 - 140

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-208998/1-A

Matrix: Solid

Analysis Batch: 210397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 208998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2,4-Dinitrophenol	ND		330	100	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2-Chloronaphthalene	ND		170	28	ug/Kg		10/21/14 09:09	10/28/14 09:18	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-208998/1-A

Matrix: Solid

Analysis Batch: 210397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 208998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		170	31	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2-Methylphenol	ND		170	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2-Methylnaphthalene	ND		170	34	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2-Nitroaniline	ND		330	25	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
2-Nitrophenol	ND		170	48	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
3-Nitroaniline	ND		330	47	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
4-Chloroaniline	ND		170	42	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
4-Methylphenol	ND		330	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
4-Nitroaniline	ND		330	89	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
4-Nitrophenol	ND		330	120	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Acenaphthene	ND		170	25	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Acenaphthylene	ND		170	22	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Acetophenone	ND		170	23	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Anthracene	ND		170	42	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Atrazine	ND		170	59	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Benzaldehyde	ND		170	130	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Benzo[a]anthracene	ND		170	17	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Benzo[a]pyrene	ND		170	25	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Bis(2-ethylhexyl) phthalate	ND		170	58	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Caprolactam	ND		170	51	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Carbazole	ND		170	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Chrysene	ND		170	38	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Dibenzofuran	ND		170	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Diethyl phthalate	ND		170	22	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Dimethyl phthalate	ND		170	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Fluoranthene	ND		170	18	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Fluorene	ND		170	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Hexachlorobenzene	ND		170	23	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Hexachlorobutadiene	ND		170	25	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Hexachloroethane	ND		170	22	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Isophorone	ND		170	36	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		10/21/14 09:09	10/28/14 09:18	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-208998/1-A

Matrix: Solid

Analysis Batch: 210397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 208998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Naphthalene	ND		170	22	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Nitrobenzene	ND		170	19	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Pentachlorophenol	ND		330	170	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Phenanthrene	ND		170	25	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Phenol	ND		170	26	ug/Kg		10/21/14 09:09	10/28/14 09:18	1
Pyrene	ND		170	20	ug/Kg		10/21/14 09:09	10/28/14 09:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	88		34 - 132	10/21/14 09:09	10/28/14 09:18	1
Phenol-d5 (Surr)	85		11 - 120	10/21/14 09:09	10/28/14 09:18	1
p-Terphenyl-d14 (Surr)	107		65 - 153	10/21/14 09:09	10/28/14 09:18	1
2,4,6-Tribromophenol (Surr)	92		39 - 146	10/21/14 09:09	10/28/14 09:18	1
2-Fluorobiphenyl	93		37 - 120	10/21/14 09:09	10/28/14 09:18	1
2-Fluorophenol (Surr)	85		18 - 120	10/21/14 09:09	10/28/14 09:18	1

Lab Sample ID: LCS 480-208998/2-A

Matrix: Solid

Analysis Batch: 210397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 208998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1640	1780		ug/Kg		109	55 - 125
2-Chlorophenol	1640	1450		ug/Kg		89	38 - 120
4-Chloro-3-methylphenol	1640	1690		ug/Kg		103	49 - 125
4-Nitrophenol	3270	3360		ug/Kg		103	43 - 137
Acenaphthene	1640	1650		ug/Kg		101	53 - 120
Atrazine	3270	3630		ug/Kg		111	60 - 164
Bis(2-ethylhexyl) phthalate	1640	1820		ug/Kg		111	61 - 133
Fluorene	1640	1680		ug/Kg		103	63 - 126
Hexachloroethane	1640	1310		ug/Kg		80	41 - 120
N-Nitrosodi-n-propylamine	1640	1460		ug/Kg		89	46 - 120
Pentachlorophenol	3270	2970		ug/Kg		91	33 - 136
Phenol	1640	1420		ug/Kg		87	36 - 120
Pyrene	1640	1800		ug/Kg		110	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	86		34 - 132
Phenol-d5 (Surr)	88		11 - 120
p-Terphenyl-d14 (Surr)	109		65 - 153
2,4,6-Tribromophenol (Surr)	102		39 - 146
2-Fluorobiphenyl	96		37 - 120
2-Fluorophenol (Surr)	86		18 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratex :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-208570/1-A

Matrix: Water

Analysis Batch: 208756

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 208570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/18/14 08:16	10/20/14 09:08	1
PCB-1221	ND		0.50	0.18	ug/L		10/18/14 08:16	10/20/14 09:08	1
PCB-1232	ND		0.50	0.18	ug/L		10/18/14 08:16	10/20/14 09:08	1
PCB-1242	ND		0.50	0.18	ug/L		10/18/14 08:16	10/20/14 09:08	1
PCB-1248	ND		0.50	0.18	ug/L		10/18/14 08:16	10/20/14 09:08	1
PCB-1254	ND		0.50	0.25	ug/L		10/18/14 08:16	10/20/14 09:08	1
PCB-1260	ND		0.50	0.25	ug/L		10/18/14 08:16	10/20/14 09:08	1
PCB-1262	ND		0.50	0.25	ug/L		10/18/14 08:16	10/20/14 09:08	1
PCB-1268	ND		0.50	0.25	ug/L		10/18/14 08:16	10/20/14 09:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		23 - 127	10/18/14 08:16	10/20/14 09:08	1
DCB Decachlorobiphenyl	69		19 - 126	10/18/14 08:16	10/20/14 09:08	1

Lab Sample ID: LCS 480-208570/2-A

Matrix: Water

Analysis Batch: 208756

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 208570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.83		ug/L		96	51 - 137
PCB-1260	4.00	3.27		ug/L		82	45 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	79		23 - 127
DCB Decachlorobiphenyl	71		19 - 126

Lab Sample ID: LCSD 480-208570/3-A

Matrix: Water

Analysis Batch: 208756

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 208570

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	4.00	3.92		ug/L		98	51 - 137	2	50
PCB-1260	4.00	3.35		ug/L		84	45 - 139	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	82		23 - 127
DCB Decachlorobiphenyl	71		19 - 126

Lab Sample ID: MB 480-209286/1-A

Matrix: Solid

Analysis Batch: 209464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 209286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.040	mg/Kg		10/22/14 10:37	10/23/14 20:47	1
PCB-1221	ND		0.21	0.040	mg/Kg		10/22/14 10:37	10/23/14 20:47	1
PCB-1232	ND		0.21	0.040	mg/Kg		10/22/14 10:37	10/23/14 20:47	1
PCB-1242	ND		0.21	0.040	mg/Kg		10/22/14 10:37	10/23/14 20:47	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-209286/1-A

Matrix: Solid

Analysis Batch: 209464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 209286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.21	0.040	mg/Kg		10/22/14 10:37	10/23/14 20:47	1
PCB-1254	ND		0.21	0.097	mg/Kg		10/22/14 10:37	10/23/14 20:47	1
PCB-1260	ND		0.21	0.097	mg/Kg		10/22/14 10:37	10/23/14 20:47	1
PCB-1262	ND		0.21	0.097	mg/Kg		10/22/14 10:37	10/23/14 20:47	1
PCB-1268	ND		0.21	0.097	mg/Kg		10/22/14 10:37	10/23/14 20:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	107		46 - 175	10/22/14 10:37	10/23/14 20:47	1
DCB Decachlorobiphenyl	111		47 - 176	10/22/14 10:37	10/23/14 20:47	1

Lab Sample ID: LCS 480-209286/2-A

Matrix: Solid

Analysis Batch: 209464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 209286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.92	2.39		mg/Kg		125	51 - 185
PCB-1260	1.92	2.52		mg/Kg		132	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	120		46 - 175
DCB Decachlorobiphenyl	120		47 - 176

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-208799/1-A

Matrix: Solid

Analysis Batch: 209351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 208799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.2	4.5	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Antimony	ND		15.3	0.41	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Arsenic	ND		2.0	0.41	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Barium	ND		0.51	0.11	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Beryllium	ND		0.20	0.029	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Cadmium	ND		0.20	0.031	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Calcium	3.84	J	51.0	3.4	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Chromium	ND		0.51	0.20	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Cobalt	ND		0.51	0.051	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Copper	ND		1.0	0.21	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Iron	ND		10.2	1.1	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Lead	ND		1.0	0.24	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Magnesium	ND		20.4	0.95	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Manganese	0.110	J	0.20	0.033	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Nickel	ND		5.1	0.23	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Potassium	ND		30.6	20.4	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Selenium	0.423	J	4.1	0.41	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Silver	ND		0.61	0.20	mg/Kg		10/20/14 13:17	10/22/14 13:14	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-208799/1-A

Matrix: Solid

Analysis Batch: 209351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 208799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		143	13.3	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Thallium	ND		6.1	0.31	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Vanadium	ND		0.51	0.11	mg/Kg		10/20/14 13:17	10/22/14 13:14	1
Zinc	0.458	J	2.0	0.16	mg/Kg		10/20/14 13:17	10/22/14 13:14	1

Lab Sample ID: LCSSRM 480-208799/2-A

Matrix: Solid

Analysis Batch: 209351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 208799

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8090	6986		mg/Kg		86.4	39.6 - 160.5
Antimony	116	100.0		mg/Kg		86.4	22.1 - 252.6
Arsenic	122	112.3		mg/Kg		92.2	70.0 - 145.1
Barium	167	157.7		mg/Kg		94.6	73.1 - 126.9
Beryllium	54.2	52.20		mg/Kg		96.3	73.1 - 127.1
Cadmium	87.8	86.23		mg/Kg		98.2	73.3 - 127.3
Calcium	5910	5282		mg/Kg		89.4	73.6 - 126.4
Chromium	102	93.46		mg/Kg		91.8	69.4 - 130.4
Cobalt	99.2	106.4		mg/Kg		107.2	74.3 - 125.8
Copper	77.9	76.40		mg/Kg		98.1	73.7 - 132.1
Iron	15100	11560		mg/Kg		76.7	37.1 - 162.9
Lead	94.3	95.74		mg/Kg		101.5	70.5 - 129.1
Magnesium	3010	2650		mg/Kg		87.9	65.9 - 133.8
Manganese	400	385.8		mg/Kg		96.4	76.1 - 123.9
Nickel	56.2	59.62		mg/Kg		106.1	69.8 - 130.0
Potassium	2490	2265		mg/Kg		91.1	60.6 - 139.4
Selenium	157	146.8		mg/Kg		93.7	67.5 - 131.8
Silver	34.1	30.17		mg/Kg		88.4	65.5 - 134.2
Sodium	246	235.0		mg/Kg		95.7	32.0 - 168.3
Thallium	116	118.6		mg/Kg		102.4	67.4 - 132.8
Vanadium	67.0	60.41		mg/Kg		90.2	57.8 - 192.3
Zinc	207	185.0		mg/Kg		89.5	70.0 - 130.4

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 480-208765/1-A
Matrix: Solid
Analysis Batch: 208934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0076	mg/Kg		10/20/14 11:35	10/20/14 14:03	1

Lab Sample ID: LCSSRM 480-208765/2-A
Matrix: Solid
Analysis Batch: 208934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208765

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.98	3.89		mg/Kg		97.7	51.0 - 149. 0

QC Association Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

GC/MS VOA

Prep Batch: 210757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	5035A	
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	5035A	
480-69465-18	WEST SUMP	Total/NA	Solid	5035A	
LCS 480-210757/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-210757/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 210856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-210757/1-A	Lab Control Sample	Total/NA	Solid	8260C	210757
MB 480-210757/2-A	Method Blank	Total/NA	Solid	8260C	210757

Analysis Batch: 210858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-1	MW1-10	Total/NA	Water	8260C	
480-69465-2	MW2-10	Total/NA	Water	8260C	
480-69465-3	MW3-10	Total/NA	Water	8260C	
480-69465-4	MW4-10	Total/NA	Water	8260C	
480-69465-5	MW5-10	Total/NA	Water	8260C	
480-69465-8	MW14-03	Total/NA	Water	8260C	
480-69465-9	MW-2	Total/NA	Water	8260C	
480-69465-10	MW-7	Total/NA	Water	8260C	
480-69465-11	MW-8	Total/NA	Water	8260C	
480-69465-12	MW-1	Total/NA	Water	8260C	
480-69465-13	DEGREASER SUMP	Total/NA	Water	8260C	
480-69465-16	DEEP SUMP	Total/NA	Water	8260C	
480-69465-19	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-210858/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-210858/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 211006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-6	MW7-03	Total/NA	Water	8260C	
480-69465-7	MW11-03	Total/NA	Water	8260C	
480-69465-7 MS	MW11-03	Total/NA	Water	8260C	
480-69465-7 MSD	MW11-03	Total/NA	Water	8260C	
480-69465-10 - DL	MW-7	Total/NA	Water	8260C	
LCS 480-211006/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-211006/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 211010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	8260C	210757
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	8260C	210757
480-69465-18	WEST SUMP	Total/NA	Solid	8260C	210757
LCS 480-211010/5	Lab Control Sample	Total/NA	Solid	8260C	
MB 480-211010/7	Method Blank	Total/NA	Solid	8260C	

Analysis Batch: 211391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-5 - DL	MW5-10	Total/NA	Water	8260C	
480-69465-5 MS	MW5-10	Total/NA	Water	8260C	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

GC/MS VOA (Continued)

Analysis Batch: 211391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-5 MSD	MW5-10	Total/NA	Water	8260C	
LCS 480-211391/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-211391/6	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 208998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	3550C	
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	3550C	
480-69465-18	WEST SUMP	Total/NA	Solid	3550C	
LCS 480-208998/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-208998/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 210397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	8270D	208998
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	8270D	208998
480-69465-18	WEST SUMP	Total/NA	Solid	8270D	208998
LCS 480-208998/2-A	Lab Control Sample	Total/NA	Solid	8270D	208998
MB 480-208998/1-A	Method Blank	Total/NA	Solid	8270D	208998

GC Semi VOA

Prep Batch: 208570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-13	DEGREASER SUMP	Total/NA	Water	3510C	
480-69465-16	DEEP SUMP	Total/NA	Water	3510C	
480-69465-17	TRANSFORMER ROOM	Total/NA	Water	3510C	
LCS 480-208570/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-208570/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-208570/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 208756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-13	DEGREASER SUMP	Total/NA	Water	8082A	208570
480-69465-16	DEEP SUMP	Total/NA	Water	8082A	208570
480-69465-17	TRANSFORMER ROOM	Total/NA	Water	8082A	208570
LCS 480-208570/2-A	Lab Control Sample	Total/NA	Water	8082A	208570
LCSD 480-208570/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	208570
MB 480-208570/1-A	Method Blank	Total/NA	Water	8082A	208570

Prep Batch: 209286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	3550C	
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	3550C	
480-69465-18	WEST SUMP	Total/NA	Solid	3550C	
LCS 480-209286/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-209286/1-A	Method Blank	Total/NA	Solid	3550C	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

GC Semi VOA (Continued)

Analysis Batch: 209464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	8082A	209286
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	8082A	209286
480-69465-18	WEST SUMP	Total/NA	Solid	8082A	209286
LCS 480-209286/2-A	Lab Control Sample	Total/NA	Solid	8082A	209286
MB 480-209286/1-A	Method Blank	Total/NA	Solid	8082A	209286

Metals

Prep Batch: 208765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	7471B	
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	7471B	
480-69465-18	WEST SUMP	Total/NA	Solid	7471B	
LCSSRM 480-208765/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 480-208765/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 208799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	3050B	
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	3050B	
480-69465-18	WEST SUMP	Total/NA	Solid	3050B	
LCSSRM 480-208799/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-208799/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 208934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	7471B	208765
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	7471B	208765
480-69465-18	WEST SUMP	Total/NA	Solid	7471B	208765
LCSSRM 480-208765/2-A	Lab Control Sample	Total/NA	Solid	7471B	208765
MB 480-208765/1-A	Method Blank	Total/NA	Solid	7471B	208765

Analysis Batch: 209351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	6010C	208799
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	6010C	208799
480-69465-18	WEST SUMP	Total/NA	Solid	6010C	208799
LCSSRM 480-208799/2-A	Lab Control Sample	Total/NA	Solid	6010C	208799
MB 480-208799/1-A	Method Blank	Total/NA	Solid	6010C	208799

Analysis Batch: 209508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	6010C	208799

General Chemistry

Analysis Batch: 208635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-14	DEGREASER SUMP	Total/NA	Solid	Moisture	
480-69465-15	SOUTHWEST SUMP	Total/NA	Solid	Moisture	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

General Chemistry (Continued)

Analysis Batch: 208635 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69465-18	WEST SUMP	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW1-10

Date Collected: 10/15/14 13:15

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	210858	10/30/14 00:35	LCH	TAL BUF

Client Sample ID: MW2-10

Date Collected: 10/15/14 13:10

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	210858	10/30/14 00:59	LCH	TAL BUF

Client Sample ID: MW3-10

Date Collected: 10/15/14 14:05

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	210858	10/30/14 01:23	LCH	TAL BUF

Client Sample ID: MW4-10

Date Collected: 10/15/14 12:50

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	210858	10/30/14 01:47	LCH	TAL BUF

Client Sample ID: MW5-10

Date Collected: 10/15/14 13:55

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	210858	10/30/14 02:11	LCH	TAL BUF
Total/NA	Analysis	8260C	DL	200	211391	10/31/14 22:28	EDB	TAL BUF

Client Sample ID: MW7-03

Date Collected: 10/15/14 13:35

Date Received: 10/16/14 17:08

Lab Sample ID: 480-69465-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	211006	10/30/14 16:01	GTG	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: MW11-03

Lab Sample ID: 480-69465-7

Date Collected: 10/15/14 13:30

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	211006	10/30/14 16:25	GTG	TAL BUF

Client Sample ID: MW14-03

Lab Sample ID: 480-69465-8

Date Collected: 10/15/14 13:45

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	210858	10/30/14 03:23	LCH	TAL BUF

Client Sample ID: MW-2

Lab Sample ID: 480-69465-9

Date Collected: 10/16/14 12:50

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	210858	10/30/14 03:47	LCH	TAL BUF

Client Sample ID: MW-7

Lab Sample ID: 480-69465-10

Date Collected: 10/16/14 12:55

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	210858	10/30/14 04:11	LCH	TAL BUF
Total/NA	Analysis	8260C	DL	20	211006	10/30/14 16:49	GTG	TAL BUF

Client Sample ID: MW-8

Lab Sample ID: 480-69465-11

Date Collected: 10/16/14 13:00

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	210858	10/30/14 04:35	LCH	TAL BUF

Client Sample ID: MW-1

Lab Sample ID: 480-69465-12

Date Collected: 10/16/14 13:05

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	210858	10/30/14 04:59	LCH	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-13

Date Collected: 10/16/14 11:30

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	210858	10/30/14 05:23	LCH	TAL BUF
Total/NA	Prep	3510C			208570	10/18/14 08:16	JLS	TAL BUF
Total/NA	Analysis	8082A		1	208756	10/20/14 12:51	DLE	TAL BUF

Client Sample ID: DEGREASER SUMP

Lab Sample ID: 480-69465-14

Date Collected: 10/16/14 11:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 51.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			210757	10/29/14 11:23	EDB	TAL BUF
Total/NA	Analysis	8260C		10	211010	10/30/14 15:01	CXM	TAL BUF
Total/NA	Prep	3550C			208998	10/21/14 09:09	CAM	TAL BUF
Total/NA	Analysis	8270D		50	210397	10/28/14 12:30	LMW	TAL BUF
Total/NA	Prep	3550C			209286	10/22/14 10:37	GVF	TAL BUF
Total/NA	Analysis	8082A		20	209464	10/23/14 22:01	DLE	TAL BUF
Total/NA	Prep	3050B			208799	10/20/14 13:17	LED	TAL BUF
Total/NA	Analysis	6010C		1	209351	10/22/14 13:20	LMH	TAL BUF
Total/NA	Prep	7471B			208765	10/20/14 11:35	LRK	TAL BUF
Total/NA	Analysis	7471B		10	208934	10/20/14 15:34	LRK	TAL BUF
Total/NA	Analysis	Moisture		1	208635	10/18/14 13:46	CW	TAL BUF

Client Sample ID: SOUTHWEST SUMP

Lab Sample ID: 480-69465-15

Date Collected: 10/16/14 11:50

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 32.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			210757	10/29/14 11:23	EDB	TAL BUF
Total/NA	Analysis	8260C		1	211010	10/30/14 15:25	CXM	TAL BUF
Total/NA	Prep	3550C			208998	10/21/14 09:09	CAM	TAL BUF
Total/NA	Analysis	8270D		50	210397	10/28/14 12:54	LMW	TAL BUF
Total/NA	Prep	3550C			209286	10/22/14 10:37	GVF	TAL BUF
Total/NA	Analysis	8082A		1	209464	10/23/14 22:16	DLE	TAL BUF
Total/NA	Prep	3050B			208799	10/20/14 13:17	LED	TAL BUF
Total/NA	Analysis	6010C		1	209351	10/22/14 13:23	LMH	TAL BUF
Total/NA	Prep	3050B			208799	10/20/14 13:17	LED	TAL BUF
Total/NA	Analysis	6010C		5	209508	10/22/14 16:09	AMH	TAL BUF
Total/NA	Prep	7471B			208765	10/20/14 11:35	LRK	TAL BUF
Total/NA	Analysis	7471B		10	208934	10/20/14 15:35	LRK	TAL BUF
Total/NA	Analysis	Moisture		1	208635	10/18/14 13:46	CW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Client Sample ID: DEEP SUMP

Lab Sample ID: 480-69465-16

Date Collected: 10/16/14 12:00

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	210858	10/30/14 05:47	LCH	TAL BUF
Total/NA	Prep	3510C			208570	10/18/14 08:16	JLS	TAL BUF
Total/NA	Analysis	8082A		1	208756	10/20/14 13:06	DLE	TAL BUF

Client Sample ID: TRANSFORMER ROOM

Lab Sample ID: 480-69465-17

Date Collected: 10/16/14 12:05

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			208570	10/18/14 08:16	JLS	TAL BUF
Total/NA	Analysis	8082A		1	208756	10/20/14 13:21	DLE	TAL BUF

Client Sample ID: WEST SUMP

Lab Sample ID: 480-69465-18

Date Collected: 10/16/14 12:30

Matrix: Solid

Date Received: 10/16/14 17:08

Percent Solids: 54.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			210757	10/29/14 11:23	EDB	TAL BUF
Total/NA	Analysis	8260C		10	211010	10/30/14 15:49	CXM	TAL BUF
Total/NA	Prep	3550C			208998	10/21/14 09:09	CAM	TAL BUF
Total/NA	Analysis	8270D		50	210397	10/28/14 13:18	LMW	TAL BUF
Total/NA	Prep	3550C			209286	10/22/14 10:37	GVF	TAL BUF
Total/NA	Analysis	8082A		1	209464	10/23/14 22:31	DLE	TAL BUF
Total/NA	Prep	3050B			208799	10/20/14 13:17	LED	TAL BUF
Total/NA	Analysis	6010C		1	209351	10/22/14 13:25	LMH	TAL BUF
Total/NA	Prep	7471B			208765	10/20/14 11:35	LKR	TAL BUF
Total/NA	Analysis	7471B		1	208934	10/20/14 14:41	LKR	TAL BUF
Total/NA	Analysis	Moisture		1	208635	10/18/14 13:46	CW	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-69465-19

Date Collected: 10/16/14 00:00

Matrix: Water

Date Received: 10/16/14 17:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	210858	10/30/14 00:11	LCH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC- Vibratech :Site# 915165

TestAmerica Job ID: 480-69465-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-69465-1

Project/Site: NYSDEC- Vibratech :Site# 915165

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-69465-1	MW1-10	Water	10/15/14 13:15	10/16/14 17:08
480-69465-2	MW2-10	Water	10/15/14 13:10	10/16/14 17:08
480-69465-3	MW3-10	Water	10/15/14 14:05	10/16/14 17:08
480-69465-4	MW4-10	Water	10/15/14 12:50	10/16/14 17:08
480-69465-5	MW5-10	Water	10/15/14 13:55	10/16/14 17:08
480-69465-6	MW7-03	Water	10/15/14 13:35	10/16/14 17:08
480-69465-7	MW11-03	Water	10/15/14 13:30	10/16/14 17:08
480-69465-8	MW14-03	Water	10/15/14 13:45	10/16/14 17:08
480-69465-9	MW-2	Water	10/16/14 12:50	10/16/14 17:08
480-69465-10	MW-7	Water	10/16/14 12:55	10/16/14 17:08
480-69465-11	MW-8	Water	10/16/14 13:00	10/16/14 17:08
480-69465-12	MW-1	Water	10/16/14 13:05	10/16/14 17:08
480-69465-13	DEGREASER SUMP	Water	10/16/14 11:30	10/16/14 17:08
480-69465-14	DEGREASER SUMP	Solid	10/16/14 11:30	10/16/14 17:08
480-69465-15	SOUTHWEST SUMP	Solid	10/16/14 11:50	10/16/14 17:08
480-69465-16	DEEP SUMP	Water	10/16/14 12:00	10/16/14 17:08
480-69465-17	TRANSFORMER ROOM	Water	10/16/14 12:05	10/16/14 17:08
480-69465-18	WEST SUMP	Solid	10/16/14 12:30	10/16/14 17:08
480-69465-19	TRIP BLANK	Water	10/16/14 00:00	10/16/14 17:08

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

Chain of Custody Record

TAL-4124 (1007)

Client NYS DEC	Project Manager Chad Staniszewski	Date 10/16/14	Chain of Custody Number 278116
Address 270 Michigan Ave	Telephone Number (Area Code)/Fax Number (716) 851-7220	Lab Number 1	Page 1 of 2
City Buffalo	Site Contact (716) 851-7220	Analysis (Attach list if more space is needed)	
State NY	Carrier/Waybill Number		
Zip Code 14203			

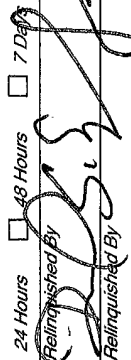
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Special Instructions/ Conditions of Receipt Location on label Is the sample ID	
			Air	Soil	Sed	Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
MW1-10	10/15/14	1315	✓								3			 480-69465 Chain of Custody
MW2-10	10/15/14	1310	✓								3			
MW3-10	10/15/14	1405	✓								3			
MW4-10	10/15/14	1250	✓								3			
MW5-10	10/15/14	1355	✓								3			
MW7-03	10/15/14	1335	✓								3			
MW11-03	10/15/14	1330	✓								4		MS/MSD	
MW14-03	10/15/14	1345	✓								3			
MW-2	10/16/14	1250	✓								3			
MW-7	10/16/14	1255	✓								3			
MW-8	10/16/14	1300	✓								3			
MW-1	10/16/14	1305	✓								3			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒ Sample Disposal

Disposal By Lab ☐ Archive For _____ Months _____ (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 10 days ☐ 14 Days ☐ 21 Days

QC Requirements (Specify)

1. Relinquished By  Date **10/16/14** Time **1708**

2. Relinquished By _____ Date _____ Time _____

3. Relinquished By _____ Date _____ Time _____

Comments
#1 3.4

Chain of Custody Record

Temperature on Receipt _____

THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☒

TAI-4124 (1007)

Client	NY5 DEC		Project Manager	Chad Staniszewski	Date	10/16/14	Chain of Custody Number	278118
Address	270 Michigan Ave.		Telephone Number (Area Code/Fax Number)	(716) 851-7220	Lab Number		Page	2 of 2

City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
Wilmington	NC	28403			

Project Name and Location (State)	Carrier/Waybill Number
	1
	2
	3
	4
	5
	6
	7
	8
	9
	10

Vibratech hw 915165; ny Contract/Purchase Order/Quote No.	Containers &	Special Instructions/ Conditions of Receipt
--	--------------	--

Special Instructions/
Conditions of Receipt
'Location' on Lab
is sample ID.

Sample I.D. No. and Description
(Containers for each sample may be combined on one line)

is sample ID:

[illegible]

Page 87 of 88

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☒ Return To Client
			☐ Disposal By Lab	☐ Archive For _____ Months	

QC Requirements (Specify)

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10 days

1. Relinquished By	Date	Time	1. Received By	Date	Time
<i>[Signature]</i>	10/16/17	09:07	<i>[Signature]</i>	10/16/17	17:08

3. Relinquished By	Date	Time	3. Received By	Date	Time

[illegible]

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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11/5/2014

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-69465-1

Login Number: 69465

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robison, Zachary J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYS DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL DATA

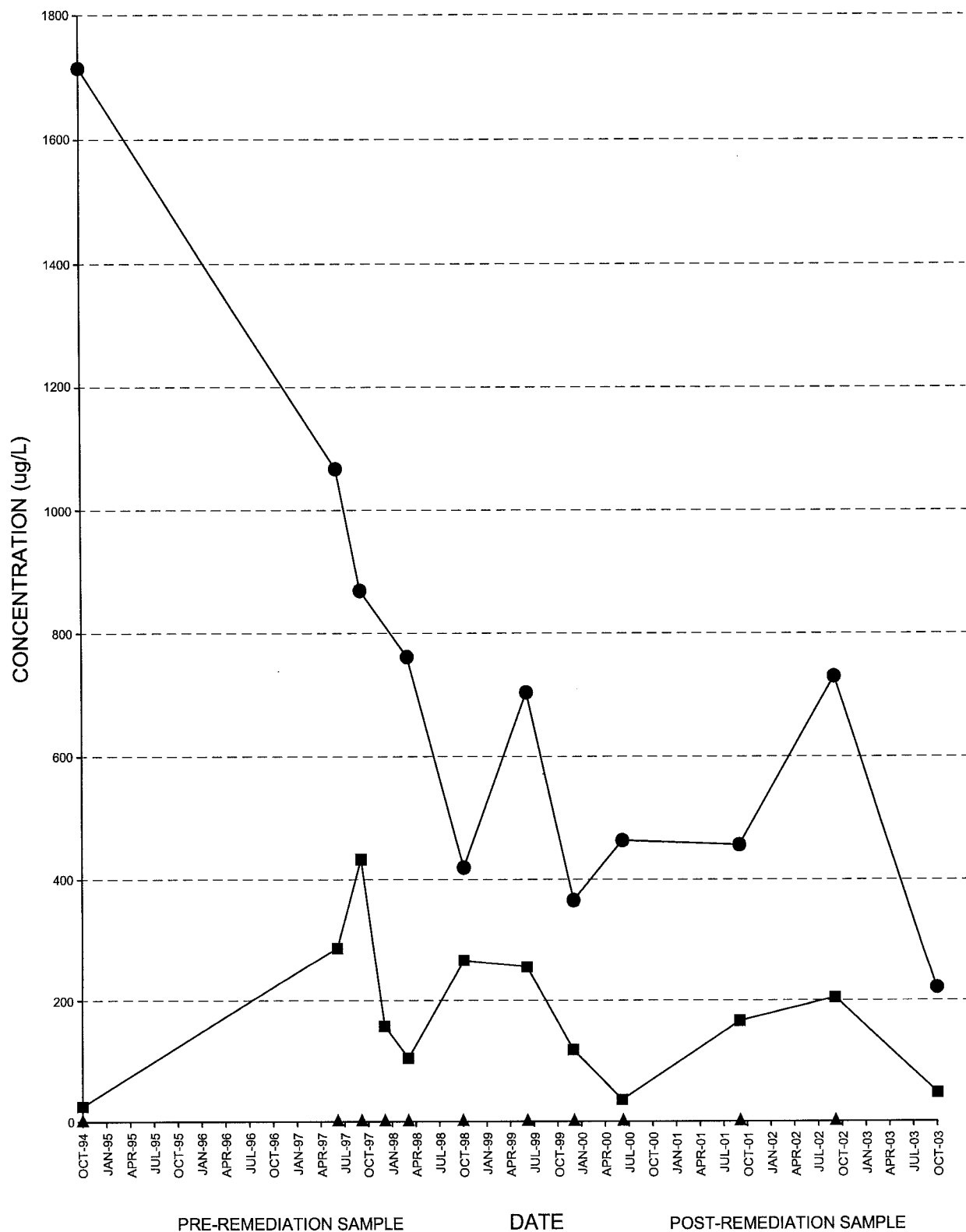


figure 1

TOTAL VOC CONCENTRATIONS
IN GROUNDWATER VERSUS TIME
VIBRATECH INC.
Buffalo, New York



Vibratech, Inc. Sampling Event
April 25 - 26, 2006

VOCs (ug/L)

	MW 02	MW 02 DL	MW 03	MW 07	MW 10-03	MW 11-03	MW 12-03	MW 13-03	MW 14-03	MW 2-02	MW 6-03	MW 6-03 DL	MW 7-03	MW 9-03	TOGS 1.1.1
1,1,1-Trichloroethane	1.9		2.1	0.79 J	31	40	10	5.9			100 E	100 D	56	38	5
1,1-Dichloroethane	140 E	130 D	1.7		64	50	6.3	0.71 J	16	16	77	78 D	28	9.9	5
1,1-Dichloroethene	0.53 J										1.9		0.50 J	0.87 J	5
1,2-Dichloroethane	0.98 J														0.6
Acetone	4.6 J								6.1						50
Benzene	2					4.1				0.53 J	18	17 D	0.69 J		0.7
Bromodichloromethane														0.70 J	5
Chloroethane	270 E	250 D			4.3	75	0.53 J			32	78	26 D	5.4	0.71 J	5
Chloroform						3.4	3	0.68 J						8.2	7
cis-1,2-Dichloroethene	120 E	110 D	0.74 J	1.3	22	20	23	2.3	100	4.6	140 E	150 D	4	50	5
Cyclohexane	0.54 J				0.54 J	5.9				0.54 J	17	14 D			
Ethylbenzene	1.4										0.79 J				5
Isopropylbenzene											0.58 J				5
Methylcyclohexane						2.9					7.6	6.1 D			
Methylene Chloride		2.3 DJ										2.4 DJ			5
Toluene	1.8										0.71 J				5
Total Xylenes	4.5										1.8 J				5
trans-1,2-Dichloroethene	3.3	2.8 DJ							8	0.59 J	1.7				
Trichloroethene	1.5			3.8	14	38	38	23	8.8	0.66 J	7.3	6.9 D	20	96	5
Vinyl Chloride	93	81 D			2.7	3.6	0.98 J		1.4	3	260 E	260 D	0.84 J	7.5	2

*Table only includes compounds that were detected.

Vibratech, Inc. Sampling Event

June 30, 2009

VOCs (ug/L)

	MW 02	MW-01	MW 03	MW 07	MW 08	MW 10-03	MW 10-03 RE1	MW 11-03	MW 12-03	MW 13-03	MW 14-03	MW 2-02	MW 6-03	MW 7-03	MW 9-03	TOGS 1.1.1
1,1,1-Trichloroethane	4.8			1.7		26	20	1.5		46			85	2.4	430	5
1,1-Dichloroethane						24	12			4.4 J			92		68	5
1,1-Dichloroethene						0.65 J							2.4		5.2	5
1,2-Dichloroethane	6.5										2.9					0.6
Acetone						2.2 J		2.9 J			2.5 J			3.7 (J)		50
Benzene													16			0.7
Bromodichloromethane																5
Chloroethane						7.5							31			5
Chloroform																7
cis-1,2-Dichloroethene	4.2			3.2		150 E	79			44	16		63		230	5
Cyclohexane													12			5
Ethylbenzene													0.84 J			5
Isopropylbenzene																5
Methylcyclohexane													6.9			5
Methylene Chloride																5
Toluene																5
Total Xylenes													1.3 J			5
trans-1,2-Dichloroethene													1.5 J			5
Trichloroethene	18			6.6	0.62 J	190 E	110	1.3		250	1.6		26	5.9	370	5
Vinyl Chloride						2.5					3.3		55		56	2
Carbon Disulfide							13				0.62 J					
1,1,2-Trichloroethane						1.3							7.1			1

*Table only includes compounds that were detected.

Vibratech, Inc. Sampling Event
July 12, 2010 (Select Wells Resampled on July 27 and December 10, 2010)

VOCs (ug/L)

	MW 1-10	MW 1-10 Resample (7/27/10)	MW 1-10 Resample #2 (12/10/10)	MW 2-10	MW 3-10	MW 4-10	MW 5-10	MW 5-10 Resample	MW 6-10	TOGS 1.1.1
1,1,1-Trichloroethane	1.7	33	15				4,400	7,600	1,100	5
1,1-Dichloroethane	1	12	11		11		810	1,100	420	5
1,1-Dichloroethene							45	100	22	5
1,2-Dichloroethane								3.2		0.6
Benzene	0.52	1.4								0.7
Chloroethane								2.4		5
Chloroform		0.62						2.2		7
cis-1,2-Dichloroethene	3.3	120	46				110	160	220	5
Cyclohexane		7.8	0.7							
Methylcyclohexane		1.3								
Toluene	1.1									5
Total Xylenes	0.98									5
trans-1,2-Dichloroethene							4.9	8.1		5
Trichloroethene	6.7	230	94			7.7	50	69	280	5
Vinyl Chloride							4.5	8.6	36	2
1,1,2-Trichloroethane		1.4					2.1	4		1
Carbon Tetrachloride							610			5
Acetone			3							50

*Table only includes compounds that were detected.

** MW 1-10 was resampled on July 27th because plastic tie locking well was noted to be cut from well during July 27 resampling of MW-5.

** MW 5-10 was resampled on July 27 to verify July 12 results.

** MW 1-10 was resampled on December 10th due to varying results btw previous sampling events.