Periodic Review Report No. 1
October 26, 2012 – November 12, 2013
Metal Etching Co. Site (130110)

Freeport
Nassau County, New York

Prepared for

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7017

Prepared by

EA Engineering, P.C. and Its Affiliate
EA Science and Technology
6712 Brooklawn Parkway, Suite 104
Syracuse, New York 13211
(315) 431-4610

December 2013
Version: FINAL
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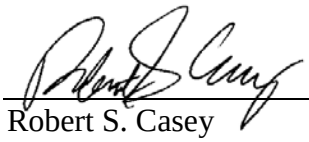
Christopher J. Canonica, P.E.
President



December 12, 2013

Robert S. Casey
Project Manager

December 2013
Version: FINAL
EA Project No. 14907.09

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LIST OF ACRONYMS AND ABBREVIATIONS

AMSL	Above mean sea level
AWQS	Ambient Water Quality Standard
cis-1,2-DCE	*cis*-1,2-dichloroethene
EA	EA Engineering, P.C., and Its Affiliate EA Science and Technology
EPA	United States Environmental Protection Agency
NYSDEC	New York State Department of Environmental of Conservation
PCE	Tetrachloroethene
PVC	Polyvinyl chloride
ROD	Record of Decision
SMP	Site Management Plan
SSDS	Sub-slab depressurization system
SVOC	Semivolatile organic compound
TAL	Target analyte list
TCE	Tricholorethene
VOC	Volatile organic compound

EXECUTIVE SUMMARY

The New York State Department of Environmental Conservation (NYSDEC) tasked EA Engineering, P.C. and its affiliate EA Science and Technology (EA) to provide site management services from October 26, 2012 to November 12, 2013 at the Metal Etching Co. site (Site No. 130110) in Freeport, Nassau County, New York (Figure 1). This Work Assignment is being conducted under NYSDEC Standby Engineering Services Contract No. D007624-09 for site management services from August 24, 2012 to August 24, 2014.

Post-closure monitoring and facility maintenance program activities were conducted at the Metal Etching Co. site in November 2012 and May 2013 in accordance with the New York State Inactive Hazardous Waste Disposal Site Remedial Program and as stipulated in the Record of Decision (NYSDEC 2007)[1] and Site Management Plan (EA 2012) [2]. In addition, site maintenance activities were conducted in July 2013.

Site inspections were completed semi-annually during the monitoring period of October 26, 2012 to November 12, 2013. Site cover material was observed to be in fair condition with some disturbance. Some minor damage to cover materials was noted during inspections, but was attributed to the current use of the site as an active boat yard. Sub-slab depressurization systems (SSDSs) were not in operation during the reporting period.

The site cover materials continue to provide protection to human health and the environment from contaminants of concern (COCs) at this time. A completed institutional/engineering controls certification is included in Appendix A.

1 NYSDEC. 2007. Record of Decision, Metal Etching Site, Freeport, Nassau County, Site Number 130110. March.
2 EA. 2012. SMP. Final. Metal Etching Site, Nassau County, Freeport, New York. August.

1. INTRODUCTION

1.1 BACKGROUND

The site is located adjacent to Freeport Creek at 435 South Main Street, Freeport, Nassau County, New York. The Metal Etching site is a Class 2 site listed on the NYSDEC Registry of Inactive Hazardous Waste Sites (Site No. 130110). The Metal Etching property is a 1.05 acre L-shaped area, bounded by Ray Street East and a commercial property to the north, Freeport Creek to the south and east, and Main Street and Ray Street East to the west. The site is currently owned by Freeport Creek Associates, Apache Realty Corporation, and BWM High & Dry; and leased by Main Street Marina, 500 South Main Street, Freeport, New York. The Metal Etching property is designated as Section 62, Block 45, and Lots 54, 144, 145, 148, 155, and 157 on the tax maps. The site is currently used as a boat dealership, marina, and boat storage yard. Operations at the site are conducted in a single 2,400 ft^2 building located on the northeast corner of the property. A smaller, 1,200 ft^2 building, located on the western portion of the property, has been restored and is used for office space for the boat dealership. Minor boat restoration activities are performed within the 2,400 ft^2 building, as well as a sprung structure that was installed west of the 2,400 ft^2 building, including engine rebuilds, sanding, and painting/varnishing.

The former Metal Etching buildings at the site were erected prior to 1954; however, the exact date of construction is unknown. These connected buildings occupied approximately 26,650 ft^2 of the property (approximately 60 percent of the Metal Etching portion of the site). Aside from the 2,400 ft^2 building, which was an original portion of the Metal Etching quarters, the Metal Etching buildings were demolished in 2001; however, the concrete slabs and footings of the buildings remained in place at the site. A 6-in. thick concrete slab covering an approximate area of 7,750 ft^2 was the foundation of the Metal Etching plating slab and is visible to the west of the 2,400 ft^2 building.

Historical site operations consisted of handbag manufacturing which involved decorative plating with nickel, chromium, and cadmium; followed by the manufacturing of other metal products including nameplates, instrument panels, rulers, and miscellaneous plated products. All products were etched or printed. The process of etching included anodizing, chromate conversion, and chrome/nickel plating. All operations terminated in 1999 and facility buildings were demolished around 2001.

The remedial action included excavation and disposal of soil/fill exceeding soil cleanup objectives, construction of a soil cover system of asphalt or permeable pavement to prevent human exposure to contaminated soil/fill remaining, removal and disposal of contaminated sediment from the on-site stormwater system and from a limited area within Freeport Creek. A Site Management Plan (SMP) was finalized in August 2012 (EA 2012)[3]. The SMP provides direction for maintenance and monitoring of the remedy selected by the ROD (NYSDEC 2007)[1].

3 EA. 2012. SMP. Final. Metal Etching Site, Nassau County, Freeport, New York. August.

1.2 SITE MANAGEMENT OBJECTIVES

Environmental monitoring points at the Metal Etching site have been maintained and sampled during the monitoring period in accordance with the SMP (EA 2012)[2]. This included collection of groundwater samples at various locations across the site, inspection of the site cover material, and site maintenance. Indoor air and subslab vapor samples were not collected during this monitoring period because the buildings were not occupied during the heating season. Sampling locations, sampling methodology, list of analytes, analytical methods, cover material inspection methodology, and site maintenance objectives are documented in the SMP.

The objectives of the monitoring and maintenance program are to:

- Collect representative groundwater samples and evaluate the data to confirm that the remedy continues to be effective in protecting public health and the environment.

- Collect indoor air and subslab soil vapor samples and evaluate the data to monitor effectiveness of the existing sub-slab depressurization systems (SSDSs) and determine necessity.

- Periodically inspect the site and provide routine maintenance, as necessary.

- Document and report this information to the NYSDEC.

1.3 PERIODIC REVIEW REPORT

The purpose of this Periodic Review Report is to summarize the results of the October 2012 – November 2013 semi-annual groundwater monitoring and site inspection events; and to provide sufficient documentation that the remedy remains in place, is performing properly and effectively, and is protective of public health and the environment. Specifically, this report provides the following information:

- Results of groundwater monitoring
- Results of site inspections
- Maintenance activities performed to date.

This report also documents any problems or changes necessary for the site to be in compliance with the SMP (EA 2012)[2] including removal of institutional/engineering controls that are no longer applicable; modifications in monitoring requirements, as applicable; or a Corrective Action Work Plan and schedule, as necessary.

2. GROUNDWATER MONITORING

2.1 MONITORING WELL GAUGING/GROUNDWATER FLOW

The site monitoring wells were gauged prior to each sampling event in November 2012 and May 2013. Monitoring wells MW-01 and MW-05, which were originally included in the SMP monitoring well network, were not located on-site during the November 2012 event. A records review indicates that these monitoring wells had not been sampled during the last sampling event before the remedial action, and were likely either paved over or decommissioned. In addition, during the time period between sampling events, a concrete pad was poured by the property owner over one of the existing well clusters (i.e., MW-8S and MW-8D). These wells were not able to be gauged or sampled during the May 2013 event. Former and existing monitoring well locations are illustrated in Figure 2.

The Metal Etching Site is located directly adjacent to Freeport Creek, which connects to the Atlantic Ocean through a series of salt marshes and is therefore tidally influenced. Due to the proximity of the site to these waters, site groundwater elevation is tidally influenced. Groundwater gauging events in November 2012 and May 2013 took place at different points in the tidal cycle. The November 2012 gauging event took place during high tide. The May 2013 gauging event took place during low tide. Water elevation data for each gauging event conducted as part of this Work Assignment are summarized in the table below.

Monitoring Well / Piezometer	Water Elevation (ft AMSL)	
	Nov 12	May 13
MW-04	1.05	0.26
MW-06	1.67	1.04
MW-8S	1.33	NA
MW-8D	1.53	NA
MW-9S	1.80	-0.21
MW-9D	1.84	-0.34
MW-10S	1.74	-0.11
MW-10M	1.74	-0.39
MW-10D	1.76	-0.39

NOTE: AMSL = Above Mean Sea Level
NA = Not Available

The groundwater elevations calculated based on data from the monitoring wells were used to develop groundwater flow maps for each well gauging event. Groundwater flow direction fluctuates with the tides, and flows to the southeast, toward Freeport Creek during low tide, and to the northwest away from Freeport Creek during high tide. Figure 3 illustrates the groundwater elevation contours for the November 2012 gauging event (high tide). Figure 4 illustrates the groundwater elevation contours for the May 2013 gauging event (low tide).

2.2 GROUNDWATER SAMPLING AND ANALYSIS

Groundwater monitoring wells were sampled in November 2012 and May 2013 during this monitoring period. Each well was purged using low-flow techniques (submersible and peristaltic pumps) and water quality readings were allowed to stabilize prior to sample collection. Purge forms are provided in Appendix B. Samples were submitted to Con-Test Analytical Laboratory, East Longmeadow, Massachusetts for analysis of volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 8260B and target analyte list (TAL) metals using EPA Method 6010, in accordance with the NYSDEC Analytical Services Protocol. Samples collected during the November 2012 event were also analyzed for monitored natural attenuation parameters including chloride, nitrate, sulfate, sulfide, and total organic carbon.

Groundwater sampling results for each event were compared to NYSDEC Ambient Water Quality Standards (AWQS) for Class GA waters (NYSDEC 1998)[4]. Analytical results from both events are summarized in Tables 1-3. Laboratory analytical results are provided in Appendix C. Data usability summary reports are provided in Appendix D.

Ten VOCs were detected during the November 2012 groundwater sampling event; five of the ten VOCs, including acetone, *cis*-1,2-dichloroethylene (*cis*-1,2-DCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride, were detected at concentrations exceeding the NYSDEC AWQS. The majority of groundwater exceedances were detected at monitoring wells MW-08S, MW-08D, MW-09S, and MW-09D. Only five VOCs were detected during the May 2013 groundwater sampling event. Three of the five including *cis*-1,2-DCE, PCE, and TCE were detected at concentrations exceeding the NYSDEC AWQS at monitoring well MW-09D. Due to the tidal influences that effect groundwater elevations at the site, it appears as though during the low-tide sampling event (May 2013) groundwater CVOC concentrations were absent in the shallow monitoring wells while deeper monitoring well CVOC concentrations remained relative stable. This may indicate that residual soil source (e.g. sorbed or diffused CVOCs in soil) may remain in the areas of monitoring well sets MW-08 and MW-09 and are continuing to impact shallow groundwater during periods of high tides.

Five TAL metals (i.e., cadmium, copper, chromium, manganese, and nickel) were detected at concentrations greater than their applicable NYSDEC AWQS during the November 2012 groundwater sampling event. Manganese exceeded the NYSDEC AWQS in eight of the nine wells sampled during this event. Chromium exceeded the NYSDEC AWQS at monitoring well MW-08S. Cadmium, copper, nickel, and manganese exceeded the NYSDEC AWQS at monitoring well MW-04. Only three TAL metals (i.e., iron, magnesium, and manganese) were detected at concentrations greater than applicable NYSDEC AWQS during the May 2013 groundwater sampling event. All three were detected exceeding applicable NYSDEC AWQS in MW-10D and MW-04. Exceedances of iron and manganese were detected at monitoring wells MW-09S and MW-09D. Exceedances of iron and magnesium were detected at monitoring wells MW-06 and MW-10M. MW-10S contained an exceedance of iron only.

4 NYSDEC. 1998. Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June.

As part of the groundwater monitoring program, groundwater samples collected in November 2012 were submitted for monitored natural attenuation (MNA) parameter analysis including chloride, sulfate, sulfide, nitrate, and total organic carbon and are summarized in Table 3. Natural attenuation of chlorinated volatile organic compounds (CVOCs) present in the groundwater at the site would primarily occur under anaerobic conditions that are reflected by dissolved oxygen (DO) concentrations below 0.5 mg/L and oxidation reduction potential (ORP) less than 0.0 mV. These conditions were satisfied at monitoring wells where CVOCs (MW-06, MW-08S, MW-08D, MW-09S, MW-09D, and MW-10S) were detected in groundwater.

A summary of the November 2012 MNA data is presented in the bullets below.

- A total organic carbon (TOC) concentration less than 20 mg/L is a limiting factor in the availability of electron donors required for reductive dechlorination of CVOCs. TOC concentrations were greater than 20 mg/L in two of the six monitoring wells with elevated concentrations of CVOCs. TOC was 22 mg/L in MW-06 and 49 mg/L in MW-09S.

- Nitrate concentrations less than 1 mg/L, along with DO concentrations less than 0.5 mg/L, and increased sulfide concentrations are present, and can be concluded that anaerobic conditions exist at the site. Nitrate concentrations were less than 1 mg/L at all of the monitoring wells at the site, and were not detected above the reporting detection limit of 0.036 mg/L in all of the monitoring wells with elevated concentrations of CVOCs. However, sulfide was not detected in any of the groundwater samples.

- Sulfate concentrations greater than 20 mg/L can cause competitive exclusion of reductive dechlorination. Sulfate concentrations exceeded 20 mg/L in all nine of the site monitoring wells.

- Chloride was detected above 250 mg/L in all nine site monitoring wells. Chloride is a final breakdown product of the reductive dechlorination of PCE, and presence of this analyte may indicate that some of the CVOCs have completely mineralized; however, it is important to note that area groundwater is saline, which likely contributes to elevated chloride concentrations across the site.

3. SITE INSPECTION AND MAINTENANCE

3.1 SITE INSPECTION

Inspection of the site and its appurtenances was conducted on November 20, 2012 and May 20, 2013. Findings and observations were recorded on the site-specific field forms, which are provided in Appendix E. In addition to the regular site inspection, a hurricane status report was completed during the November inspection due to the recent Superstorm Sandy that hit the site in October 2012.

The site was generally found to be in good condition during both inspections. There was no evidence of vandalism. The site showed some wear relating to Superstorm Sandy during the November 2012 inspection, such as the presence of debris and damage to boats on-site; however, there was no damage to the site engineering controls including the cover system, or monitoring wells due to the storm. The SSDSs could not be accessed during either inspection. The office building was not in use during the November inspection due to flooding. During the May 2013 inspection, the polyvinyl chloride (PVC) piping of the SSDS on the warehouse building was observed to be cut to enable a window repair. The SSDS on the office building was not running during the May 2013 inspection; although, the office building was in use.

The southeast corner of the site cover system (asphalt) showed damage in the form of small punctures in the cover. An apparent 1-ft diameter × .5-ft deep sinkhole in the porous pavement was observed to the west of the warehouse building during the November 2012 inspection; however, this sinkhole was covered by the new sprung structure and concrete pad during the May 2013 inspection.

The porous pavement was tested for permeability during both inspections with several gallons of water and the pavement was almost immediately infiltrated. In addition, ponding was not observed in any of the porous pavement areas.

The front fence along Ray Street East and Main Street was observed to be fully intact; however, the electric fence opener was not functional during either inspection, likely due to Superstorm Sandy. The gate is not locked at night and can be opened manually.

The concrete around the east drain was observed to be cracking in November 2012. During both inspections, the two on-site drains were approximately half full of debris. There was no obvious evidence of any spilled liquids on-site due to Superstorm Sandy.

The SSDSs were not in operation at the time of the site inspections. New manometers are needed for the systems and both appear to be in need of repair. During the May 2013 inspection, it was observed that the SSDS PVC pipe on the warehouse building had been cut to repair the window the PVC had previously run through. Although the buildings were not able to be entered during both inspections, the property owner indicated that the systems were likely damaged during Superstorm Sandy in October 2012.

During the November 2012 inspection, significant cracks were observed in the walls of the warehouse and a door was missing on the east side of the building.

During the November 2012 inspection, the monitoring wells were in generally good condition and were serving the intended purpose. Monitoring wells MW-04 and MW-06 showed some minor cracking around the well collars, and field personnel were unable to locate monitoring wells MW-01 and MW-05. During the May 2013 inspection, a new sprung structure with a concrete pad had been erected over MW-08S and MW-08D.

Site inspection forms, daily field reports, and the hurricane status report are provided in Appendix D.

3.2 SITE MAINTENANCE

Due to a lack of monitoring well coverage in the southeast corner of the site, as well as the covering of the MW-08 cluster, MW-08S, MW-08D, and MW-05 were replaced during maintenance activities in July 2013. The wells were installed by Clearwater Drilling, Inc., subcontracted under Environmental Assessment and Remediations of Patchogue, NY. The wells were installed as flush mount using hollow-stem auger techniques. Monitoring wells MW-08SR and MW-05R were installed to 13.5 ft below ground surface. MW-08DR was installed to 31.5 ft below ground surface. Well boring and construction logs are included in Appendix E.

The newly installed wells were developed by Clearwater Drilling, Inc. subcontracted under Environmental Assessment and Remediations on July 29 and 30, 2013. The wells were surged and pumped using a submersible pump until the turbidity was below 50 nephelometric turbidity units. Investigation derived waste and waste water was taken off-site for disposal. Development logs are included in Appendix E. Newly installed monitoring well locations are shown on Figure 2.

4. RECOMMENDATIONS

4.1 GROUNDWATER MONITORING

Based on a lack of consecutive, similar sampling events (i.e., covered monitoring wells and new monitoring wells installed), and results from the initial two groundwater sampling events, semi-annual groundwater monitoring should continue during the next monitoring period. VOCs, such as PCE, TCE, *cis*-1,2-DCE, and vinyl chloride, are consistently detected in monitoring wells located near the original source area (MW-09S, MW-09D, MW-08S, and MW-08D during the November 2012 event). Inorganics, such as arsenic, chromium, manganese, magnesium, thallium, and iron, are consistently detected at concentrations greater than respective NYSDEC AWQS across the site monitoring well network. While the concentrations of these analytes appear to be declining in part due to natural attenuation, this could also be attributed to the point in the tidal cycle during which the samples were collected. Further sampling is necessary to identify consistent trends and to identify an effective long term management strategy for residual contaminants.

4.2 SITE INSPECTION AND MAINTENANCE

4.2.1 Site Cover

The site cover system and surrounding areas were observed to be in good condition with minimal damage during the inspections. Although some minor areas exist where the cover material has been punctured due to ongoing site activities, the damage does not pose a threat to human health and are not the result of material failure.

4.2.2 Sub-Slab Depressurization Systems

Both site SSDSs are in need of repair; however, termination sampling should be completed to evaluate the necessity of the systems before repairs are made. Indoor air, sub-slab air, and outdoor air sampling is scheduled to be conducted during the November 2013 monitoring event for both systems.

4.2.2.1 Summary

The following actions are recommended:

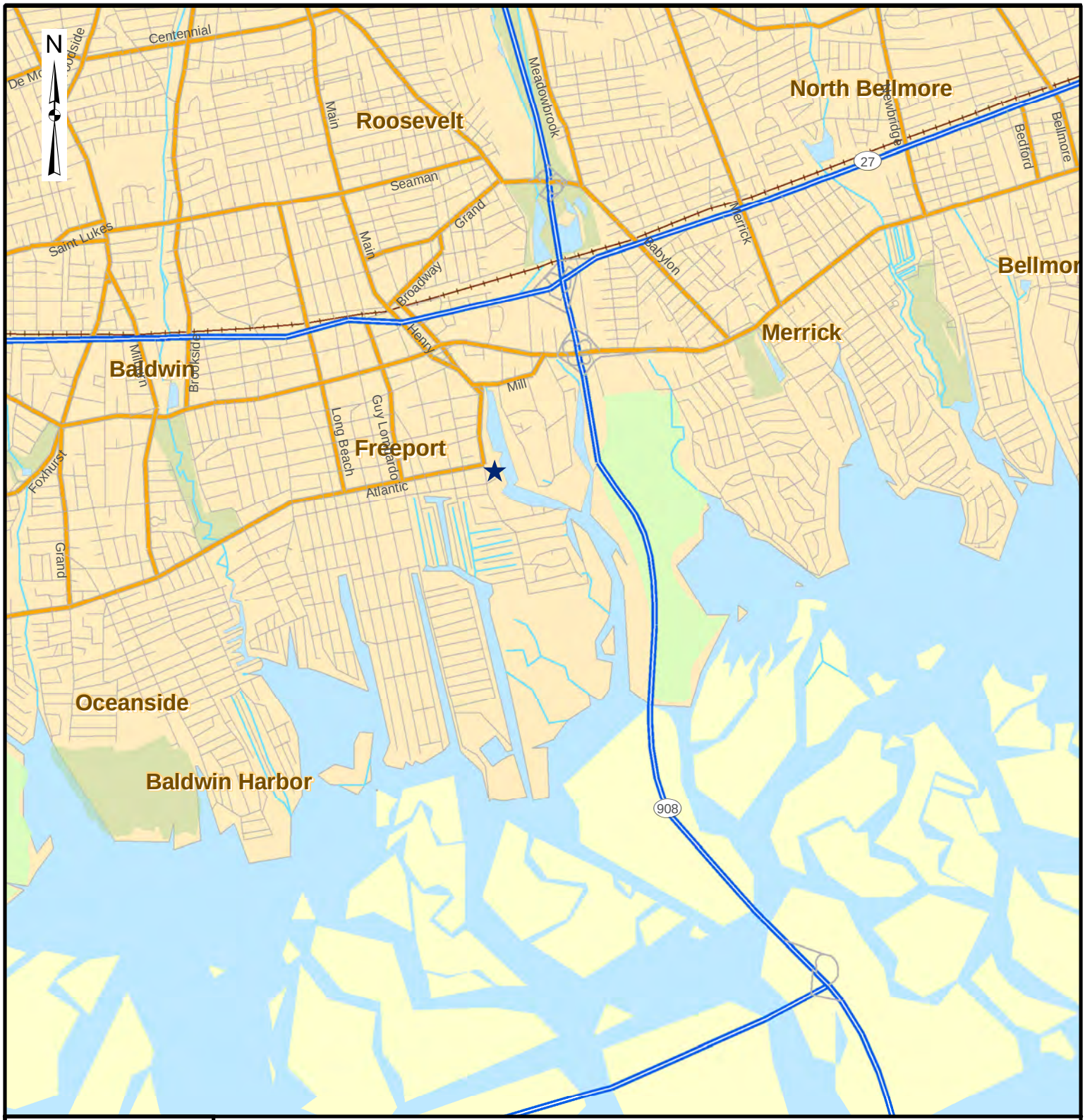
- Site management tasks should continue. This includes semi-annual site inspections and groundwater sampling. The next inspection and groundwater sampling event was scheduled for November 20–21, 2013.

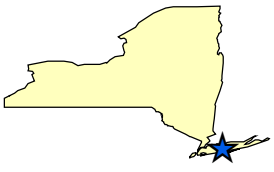
- One additional monitoring well cluster should be installed inland from MW-8SR/8DR to monitor high tide downgradient groundwater concentrations. Installation will be

scheduled to take place at least two weeks prior to the Spring 2014 monitoring event in order to be included in that round of sampling.

- SSDS termination sampling (November 20–21, 2013) at both the warehouse building and the office building.

- The SMP should be revised to reflect the existing site monitoring well network and the status of the SSDSs following termination sampling, if the systems are to be removed, and/or the date of system repairs.





LEGEND

★ Site Location

0 0.25 0.5 1 Miles

Source: StreetMap USA

METAL ETCHING SITE (130110)
PERIODIC REVIEW REPORT
FREEPORT, NEW YORK
NASSAU COUNTY

FIGURE 1
Site Location Map

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
RSC	CJS	MEM	RSC	AS SHOWN	DECEMBER 2013	1490709	GIS/PROJECTS/ FIGURE1.MXD

N

MW-06

MW-01

Ray Street

MW-05

MW-05R

MW-8S/D

MW-8SR/DR

MW-9S/D

Main Street

MW-04

MW-10S/M

MW-10D

	FREEPORT METAL ETCHING PERIODIC REVIEW REPORT FREEPORT, NEW YORK			FIGURE 2 Former and Existing Monitoring Well Network and SSDS Locations		0 25 50 100 Feet		
	PROJECT MGR: RSC	DESIGNED BY: RSC	CREATED BY: MEM	CHECKED BY: RSC	PROJECT NO: 1490709	DATE: DECEMBER 2013	SCALE: AS SHOWN	FILE NO: G:\MegalEtching\ Fig2

Legend

Source: NYS GIS Clearing House

- Existing Monitoring Wells Nov 2012 and May 2013
- Wells Not Located
- Monitoring Wells Inaccessible After Nov 2012
- Monitoring Wells Installed July 2013
- Sub Slab Depressurization System (approximate location)

FREEPORT METAL ETCHING
PERIODIC REVIEW REPORT
FREEPORT, NEW YORK

FIGURE 3
Groundwater Contours
November 2012
High Tide Conditions

0 25 50 100 Feet

Source: NYS GIS Clearing House

Legend
- Existing Monitoring Wells
- Wells Not Located
- Groundwater Contours
- Groundwater Flow Direction

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	PROJECT NO:	DATE:	SCALE:	FILE NO:
RSC	RSC	MEM	RSC	1490709	DECEMBER 2013	AS SHOWN	G:\MegalEtching\ Fig2

N

MW-06
(1.04)

1.0
0.8
0.6
0.4
0.2
0
-0.2
-0.4
0.9
0.7
0.5
0.3
0.1
-0.1
-0.3

Ray Street

Main Street

MW-04
(0.26)

MW-9S/D
(-0.21/-0.34)

MW-10D
(-0.39)

MW-10S/M
(-0.11/-0.39)

		FREEPORT METAL ETCHING PERIODIC REVIEW REPORT FREEPORT, NEW YORK		FIGURE 4 Groundwater Contours May 2013 Low Tide Conditions				
		PROJECT MGR: RSC	DESIGNED BY: RSC	CREATED BY: MEM	CHECKED BY: RSC	PROJECT NO: 1490709	DATE: DECEMBER 2013	SCALE: AS SHOWN	FILE NO: G:\MegalEtching\ Fig2

0 25 50 100 Feet

Source: NYS GIS Clearing House

Legend

- Existing Monitoring Wells May 2013
- MW-04 (0.26) Monitoring Well ID and Groundwater Elevation in ft bgs
- Groundwater Contours
- Groundwater Flow Direction

TABLE 1 DETECTED VOLATILE ORGANIC COMPOUNDS GROUNDWATER ANALYTICAL DATA - NOVEMBER 2012 AND MAY 2013

Parameter List EPA Method 8260B	Sample ID	MW-08S		MW-08D		MW-09S		MW-09D		MW-10S		NYSDEC Ambient Water Quality Standard Class
	Lab ID	12K0749-07		12K0749-06		12K0749-10	13E0755-03	12K0749-08	13E0755-02	12K0749-05	13E0755-05	
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	11/20/2012	5/20/2013	11/20/2012	5/20/2013	11/20/2012	5/20/2013	11/20/2012	5/20/2013	11/20/2012	5/20/2013	GA[(a)] (µg/L)
1,1-Dichloroethene	(µg/L)	U	NS	U	NS	1.8	U	2	U	U	U	5 (s)
Acetone	(µg/L)	**74**	NS	U	NS	**1,700**	U	**250**	U	**190**	U	50 (g)
cis -1,2-Dichloroethylene	(µg/L)	**85**	NS	**50**	NS	**1,300** D	U	**530** D	**12** D	1.4	U	5 (s)
Isopropylbenzene (Cumene)	(µg/L)	U	NS	U	NS	U	U	U	U	U	U	5 (s)
tert-Butylbenzene	(µg/L)	U	NS	U	NS	U	U	U	U	U	U	5 (s)
tert-Butyl Methyl Ether	(µg/L)	1.5	NS	U	NS	1.1	U	U	U	U	U	10 (g)
Tetrachloroethene (PCE)	(µg/L)	**100** D	NS	**3,000** D	NS	U	U	**89**	**160** D	U	U	5(s)
trans -1,2-Dichloroethylene	(µg/L)	U	NS	1 J	NS	4.7	U	2.3	U	U	U	5(s)
Trichloroethene (TCE)	(µg/L)	**140**	NS	**140** JD	NS	**5.2**	U	**180**	**27** D	U	U	5 (s)
Vinyl chloride	(µg/L)	U	NS	U	NS	**290** D	U	**48**	U	U	U	2 (s)

Parameter List EPA Method 8260B	Sample ID	MW-10D		MW-10M		MW-04		MW-06		DUP-1112	DUP01-0513	NYSDEC Ambient Water Quality Standard Class
	Lab ID	12K0749-03	13E0755-04	12K0749-04	13E0755-06	12K0749-02	13E0755-07	12K0749-01	13E0755-01	12K0749-09	13E0755-08	
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater	Groundwater	
	Sample Date	11/19/2012	5/20/2013	11/20/2012	5/20/2013	11/19/2012	5/20/2013	11/19/2012	5/20/2013	11/19/2013	5/24/2013	GA[(a)] (µg/L)
1,1-Dichloroethene	(µg/L)	U	U	U	U	U	U	U	U	2	U	5 (s)
Acetone	(µg/L)	U	U	U	U	U	U	U	U	**310**	U	50 (g)
cis -1,2-Dichloroethylene	(µg/L)	U	U	U	U	U	U	U	U	**470** D	U	5 (s)
Isopropylbenzene (Cumene)	(µg/L)	U	U	U	U	U	U	U	2.8 D	U	U	5 (s)
tert-Butylbenzene	(µg/L)	U	U	U	U	U	U	1.1	U	U	U	5 (s)
tert-Butyl Methyl Ether	(µg/L)	1.1	U	2.9	U	U	U	1.5	3 D	U	U	10 (g)
Tetrachloroethene (PCE)	(µg/L)	U	U	2.5	U	2	U	U	U	**79**	U	5(s)
trans -1,2-Dichloroethylene	(µg/L)	U	U	U	U	U	U	U	U	2.3	U	5(s)
Trichloroethene (TCE)	(µg/L)	U	U	U	U	1	U	U	U	**170**	U	5 (s)
Vinyl chloride	(µg/L)	U	U	U	U	U	U	U	U	**49**	U	2 (s)

(a) 6 NYCRR Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.

NOTE: EPA = United States Enivronmental Protection Agency.
ID = Identification
NYSDEC = New York State Department of Environmental Conservation.
µg/L = micrograms per Liter = parts per billion (ppb).
U = Non-detect, detection below the method detection limit.
NS = Not Sampled, well not sampled due to inaccessibility
D =
Duplicate sample DUP-1112 was collected at MW-09D. Duplicate sample DUP01-0513 was collected at MW-09S.
Data provided by Con-Test Analytical Laboratory. Only analytes that were detected in at least one sample are shown.
Concentration values in **BOLD** indicate that analyte was detected above the NYSDEC Ambient Water Quality Standards (s) or Guidance Values (g).

TABLE 2 DETECTED METALS GROUNDWATER ANALYTICAL DATA - NOVEMBER 2012 AND MAY 2013

Parameter List EPA Method 6010/7471	Sample ID	MW-08S		MW-08D		MW-09S		MW-09D		MW-10S		NYSDEC Ambient Water Quality Standard Class GA[a]
	Lab ID	12K0749-07		12K0749-06		12K0749-10	13E0755-03	12K0749-08	13E0755-02	12K0749-05	13E0755-05	
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	11/20/2012	5/20/2013	11/20/2012	5/20/2013	11/20/2012	5/20/2013	11/20/2012	5/20/2013	11/20/2012	5/20/2013	
Aluminum	(µg/L)	2,200	NS	320	NS	550	860	740	640	1,000	78	---
Arsenic	(µg/L)	U	NS	U	NS	U	13	U	31	U	14	5 (s)
Barium	(µg/L)	200	NS	100	NS	380	140	86	U	350	130	1,000 (s)
Cadmium	(µg/L)	U	NS	U	NS	U	U	U	U	U	U	5 (s)
Calcium	(µg/L)	NA	NS	NA	NS	NA	33,000	NA	28,000	NA	39,000	---
Chromium, Total	(µg/L)	**210**	NS	41	NS	U	U	U	U	14	U	50 (s)
Copper	(µg/L)	64	NS	15	NS	U	U	U	190	20	U	200 (s)
Iron	(µg/L)	NA	NS	NA	NS	NA	**6,800**	NA	**26,000**	NA	**1,600**	300 (s)
Lead	(µg/L)	10	NS	U	NS	U	U	U	U	U	U	25 (s)
Magnesium	(µg/L)	NA	NS	NA	NS	NA	8,300	NA	8,500	NA	6,000	25 (s)
Manganese	(µg/L)	**730**	NS	**2,100**	NS	**2,200**	**310**	**1,300**	**980**	**1,100**	140	300 (s)
Nickel	(µg/L)	32	NS	22	NS	U	U	U	U	U	U	100 (s)
Potassium	(µg/L)	NA	NS	NA	NS	NA	9.4	NA	4.7	NA	7,900	---
Silver	(µg/L)	U	NS	U	NS	U	U	U	U	U	U	0.6 (s)
Thallium	(µg/L)	U	NS	U	NS	U	U	U	U	U	U	1 (s)
Vanadium	(µg/L)	32	NS	U	NS	U	U	U	15	13	U	---
Zinc	(µg/L)	U	NS	U	NS	U	59	U	220	U	U	2,000 (s)

Parameter List EPA Method 6010/7471	Sample ID	MW-10D		MW-10M		MW-04		MW-06		DUP-1112	DUP01-0513	NYSDEC Ambient Water Quality Standard Class GA[a]
	Lab ID	12K0749-03	13E0755-04	12K0749-04	13E0755-06	12K0749-02	13E0755-07	12K0749-01	13E0755-01	12K0749-09	13E0755-08	
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater	Groundwater	
	Sample Date	11/19/2012	5/20/2013	11/20/2012	5/20/2013	11/19/2012	5/20/2013	11/19/2012	5/20/2013	11/19/2013	5/24/2013	
Aluminum	(µg/L)	640	130	820	230	100	780	60	1,500	1,600	3,000	---
Arsenic	(µg/L)	U	U	U	**35**	U	U	U	U	U	**15**	5 (s)
Barium	(µg/L)	U	U	U	U	270	U	U	U	96	170	1,000 (s)
Cadmium	(µg/L)	U	U	U	U	**5.1**	U	U	U	U	U	5 (s)
Calcium	(µg/L)	NA	9,800	NA	75,000	NA	690	NA	86,000	NA	36,000	---
Chromium, Total	(µg/L)	U	U	10	U	U	U	U	U	13	15	50 (s)
Copper	(µg/L)	U	U	U	10	**290**	47	U	32	12	14	200 (s)
Iron	(µg/L)	NA	**6,700**	NA	**53,000**	NA	**13,000**	NA	**20,000**	NA	**12,000**	300 (s)
Lead	(µg/L)	U	U	U	U	U	U	U	U	U	U	25 (s)
Magnesium	(µg/L)	NA	**4,600**	NA	**14,000**	NA	**22,000**	NA	**20,000**	NA	**9,600**	25 (s)
Manganese	(µg/L)	**310**	**470**	**340**	240	**3,500**	**440**	240	210	1400	**350**	300 (s)
Nickel	(µg/L)	U	U	U	12	**170**	11	U	U	U	U	100 (s)
Potassium	(µg/L)	NA	2,500	NA	12,000	NA	11,000	NA	11,000	NA	10,000	---
Silver	(µg/L)	U	U	U	U	U	U	U	U	U	U	0.6 (s)
Thallium	(µg/L)	U	U	U	U	U	U	U	U	U	U	1 (s)
Vanadium	(µg/L)	U	U	U	U	U	U	U	U	U	11	---
Zinc	(µg/L)	U	U	U	U	240	59	U	42	U	88	2,000 (s)

(a) 6 NYCRR Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.

NOTE: EPA = United States Enivronmental Protection Agency.
ID = Identification
NYSDEC = New York State Department of Environmental Conservation.
µg/L = micrograms per Liter = parts per billion (ppb).
NS = Not Sampled, well not sampled due to inaccessibility
--- =
U = Non-detect, detection below the method detection limit.
NA = Not Analyzed, sample was not analyzed for listed analyte.
Duplicate sample DUP-1112 was collected at MW-09D. Duplicate sample DUP01-0513 was collected at MW-09S.
Data provided by Con-Test Analytical Laboratory. Only analytes that were detected in at least one sample are shown.
Concentration values in **BOLD** indicate that analyte was detected above the NYSDEC Ambient Water Quality Standards (s) or Guidance Values (g).

TABLE 3 MONITORED NATURAL ATTENUATION PARAMETERS GROUNDWATER ANALYTICAL DATA - NOVEMBER 2012

Parameter List EPA Method 8260B	Sample ID	MW-04		MW-06		MW-08S		MW-08D		MW-09S		MW-09D		MW-10M		MW-10S		MW-10D		NYSDEC Ambient Water Quality Standard Class GA (mg/L)
	Lab ID	12K0749-02		12K0749-01		12K0749-07		12K0749-06		12K0749-10		12K0749-08		12K0749-04		12K0749-05		12K0749-03		
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	11/19/2012		11/19/2012		11/20/2012		11/20/2012		11/20/2012		11/20/2012		11/20/2012		11/20/2012		11/19/2012		
Oxidation Reduction Potential	(mV)	23		-66		-136		-69		-286		-120		8		-123		13		
Dissolved Oxygen	(mg/L)	1.01		0		0		0		0		0		0		0		0		
Chloride	(mg/L)	**3,400**		**810**		**2,100**		**1,200**		**2,000**		**730**		**380**		**1,700**		180		250 (s)
Nitrate as N	(mg/L)	**0.54**			U		U		U		U		U	**0.31**			U	**0.075**		.005 (s)
Sulfate	(mg/L)	**330**		75		220		180		41		57		120		180		23		250 (s)
Sulfide	(mg/L)		U		U		U		U		U		U		U		U		U	.050 (g)
Total Organic Carbon	(mg/L)	5.2		22		11		8.1		49		13		4.6		6.5		1.7		-

NOTE: (a) 6 NYCRR Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.

EPA = United States Enivronmental Protection Agency.

ID = Identification

NYSDEC = New York State Department of Environmental Conservation.

µg/L = micrograms per Liter = parts per billion (ppb).

U = Non-detect, detection below the method detection limit.

Duplicate sample was collected at MW-09D.

Data provided by Con-Test Analytical Laboratory. Only analytes that were detected in at least one sample are shown.

Concentration values in **BOLD** indicate that analyte was detected above the NYSDEC Ambient Water Quality Standards (s) or Guidance Values (g).

Appendix A

Institutional/Engineering Control Certification

Enclosure 1
Engineering Controls - Engineering Standby Contractor Certification Form

Site Details **Box 1**

Site No. **130110**

Site Name Metal Etching Co., Inc.

Site Address: 435 South Main Street Zip Code: 11520
City/Town: Freeport
County: Nassau
Site Acreage: 1.1

Reporting Period: October 26, 2012 to November 12, 2013

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. To your knowledge has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. To your knowledge have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. To your knowledge is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	☒

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Engineering Standby Contractor

12/16/2013
Date

SITE NO. 130110 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
62-45-144	Freeport Creek Associates, LLC	Monitoring Plan Ground Water Use Restriction Landuse Restriction

Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use, which will also permit industrial use, in conformance of local zoning; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) submission of a periodic certification of institutional and engineering controls to the Department by the property owner.

Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) monitoring of soil vapor and groundwater; (d) identification of any use restrictions on the site; and (e) provisions for the continued proper operation and maintenance of the components of the remedy.

62-45-145	Freeport Creek Associates, LLC	Monitoring Plan Site Management Plan Ground Water Use Restriction Landuse Restriction

Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use, which will also permit industrial use, in conformance of local zoning; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) submission of a periodic certification of institutional and engineering controls to the Department by the property owner.

Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) monitoring of soil vapor and groundwater; (d) identification of any use restrictions on the site; and (e) provisions for the continued proper operation and maintenance of the components of the remedy.

62-45-155	Apache Realty Corporation	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan

Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use, which will also permit industrial use, in conformance of local zoning; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) submission of a periodic certification of institutional and engineering controls to the Department by the property owner.

Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) monitoring of soil vapor and groundwater; (d) identification of any use restrictions on the site; and (e) provisions for the continued proper operation and maintenance of the components of the remedy.

62-45-158 Freeport Creek Associates

Monitoring Plan
Site Management Plan

Ground Water Use Restriction
Landuse Restriction

Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use, which will also permit industrial use, in conformance of local zoning; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) submission of a periodic certification of institutional and engineering controls to the Department by the property owner.

Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) monitoring of soil vapor and groundwater; (d) identification of any use restrictions on the site; and (e) provisions for the continued proper operation and maintenance of the components of the remedy.

62-45-24 BWM High & Dry Inc.

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan

Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use, which will also permit industrial use, in conformance of local zoning; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) submission of a periodic certification of institutional and engineering controls to the Department by the property owner.

Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) monitoring of soil vapor and groundwater; (d) identification of any use restrictions on the site; and (e) provisions for the continued proper operation and maintenance of the components of the remedy.

62-45-54 BWM High & Dry Inc.

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan

Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use, which will also permit industrial use, in conformance of local zoning; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) submission of a periodic certification of institutional and engineering controls to the Department by the property owner.

Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) monitoring of soil vapor and groundwater; (d) identification of any use restrictions on the site; and (e) provisions for the continued proper operation and maintenance of the components of the remedy.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
62-45-144	Fencing/Access Control Cover System Vapor Mitigation

Final Cover System: Exposure to remaining contamination in soil/fill at the site is prevented by a demarcation layer and asphalt and porous pavement cover system placed over the site. This cover system is comprised of a geotextile demarcation layer, topped by a minimum of 12 in. of asphalt pavement, porous pavement, or rip-rap. The EWP that appears in the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed; and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in the SMP.

Sub-Slab Depressurization Systems: Exposure to indoor air impacted with VOCs within the site buildings is prevented by the two existing SSDSs, which were installed in the site buildings in March 2005. The systems serve to reduce the pressure beneath the building slabs by venting potentially impacted soil vapor outside of the buildings.

62-45-145

Fencing/Access Control
Vapor Mitigation
Cover System

Parcel Engineering Control

demarcation layer and asphalt and porous pavement cover system placed over the site. This cover system is comprised of a geotextile demarcation layer, topped by a minimum of 12 in. of asphalt pavement, porous pavement, or rip-rap. The EWP that appears in the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed; and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in the SMP.

Sub-Slab Depressurization Systems: Exposure to indoor air impacted with VOCs within the site buildings is prevented by the two existing SSDSs, which were installed in the site buildings in March 2005. The systems serve to reduce the pressure beneath the building slabs by venting potentially impacted soil vapor outside of the buildings.

62-45-155

Vapor Mitigation
Cover System
Fencing/Access Control

Final Cover System: Exposure to remaining contamination in soil/fill at the site is prevented by a demarcation layer and asphalt and porous pavement cover system placed over the site. This cover system is comprised of a geotextile demarcation layer, topped by a minimum of 12 in. of asphalt pavement, porous pavement, or rip-rap. The EWP that appears in the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed; and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in the SMP.

Sub-Slab Depressurization Systems: Exposure to indoor air impacted with VOCs within the site buildings is prevented by the two existing SSDSs, which were installed in the site buildings in March 2005. The systems serve to reduce the pressure beneath the building slabs by venting potentially impacted soil vapor outside of the buildings.

62-45-158

Fencing/Access Control
Vapor Mitigation
Cover System

Final Cover System: Exposure to remaining contamination in soil/fill at the site is prevented by a demarcation layer and asphalt and porous pavement cover system placed over the site. This cover system is comprised of a geotextile demarcation layer, topped by a minimum of 12 in. of asphalt pavement, porous pavement, or rip-rap. The EWP that appears in the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed; and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in the SMP.

Sub-Slab Depressurization Systems: Exposure to indoor air impacted with VOCs within the site buildings is prevented by the two existing SSDSs, which were installed in the site buildings in March 2005. The systems serve to reduce the pressure beneath the building slabs by venting potentially impacted soil vapor outside of the buildings.

62-45-24

Cover System
Fencing/Access Control
Vapor Mitigation

Final Cover System: Exposure to remaining contamination in soil/fill at the site is prevented by a demarcation layer and asphalt and porous pavement cover system placed over the site. This cover system is comprised of a geotextile demarcation layer, topped by a minimum of 12 in. of asphalt pavement, porous pavement, or rip-rap. The EWP that appears in the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed; and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in the SMP.

Sub-Slab Depressurization Systems: Exposure to indoor air impacted with VOCs within the site buildings is

Parcel	Engineering Control
prevented by the two existing SSDSs, which were installed in the site buildings in March 2005. The systems serve to reduce the pressure beneath the building slabs by venting potentially impacted soil vapor outside of the buildings.	
62-45-54	Vapor Mitigation Cover System Fencing/Access Control
Final Cover System: Exposure to remaining contamination in soil/fill at the site is prevented by a demarcation layer and asphalt and porous pavement cover system placed over the site. This cover system is comprised of a geotextile demarcation layer, topped by a minimum of 12 in. of asphalt pavement, porous pavement, or rip-rap. The EWP that appears in the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed; and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in the SMP. Sub-Slab Depressurization Systems: Exposure to indoor air impacted with VOCs within the site buildings is prevented by the two existing SSDSs, which were installed in the site buildings in March 2005. The systems serve to reduce the pressure beneath the building slabs by venting potentially impacted soil vapor outside of the buildings.	

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES	NO
☐	☒

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Engineering Standby Contractor

12/16/13
Date

IC/EC CERTIFICATIONS

Box 6

Professional Engineer Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at EA Engineering
print name

6712 Brooklawn Pkwy Ste 104

Syracuse, NY 13211,
(print business address)

am certifying as a Professional Engineer.

_____ Stamp (Required for PE) 12/16/13
Signature of Professional Engineer Date

STATE OF NEW YORK
CHRISTOPHER JAMES CANONICA
070876
LICENSED PROFESSIONAL ENGINEER

Appendix B

Monitoring Well Purging/Sampling Logs

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	Personnel:	Client:
MW-9S	MM/PR	NYSDEC
Location:	**Well Condition:**	**Weather:**
Metal Etching Co., Inc. Site	Good	50F Cloudy
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinist Tape	19-Nov-12	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
flush	12:30	2"

Purge Date:	Purge Time:
20-Nov-12	12:14
Purge Method:	**Field Technician:**
Submersible pump - low flow	MM/PR

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
15.00	0.16	flush
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
2.43	2.01	Submersible
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:**
12.57		Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
1218	2.70	1.0	0.25	7.02	-234	20.84	10.100	2.91	800+
1222	2.70	2.0	0.25	7.18	-260	21.03	9.690	0.90	311
1226	2.70	3.0	0.25	7.18	-270	21.09	9.370	0.05	162
1230	2.68	4.0	0.25	7.15	-278	21.09	8.980	0.00	49
1234	2.65	5.0	0.25	7.11	-284	21.17	8.570	0.00	8
1238	2.65	6.0	0.25	7.08	-285	21.19	8.220	0.00	0
1242	2.65	7.0	0.25	7.01	-286	21.19	7.91	0.00	0

Total Quantity of Water Removed (gal):	1.85	**Sampling Time:**	12:45
Samplers:	MM/PR	**Split Sample With:**	-
Sampling Date:	11/20/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-10S	**Personnel:** MM/PR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 50F Cloudy
Sounding Method: Solinist Tape	**Gauge Date:** 19-Nov-12	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 12:43	**Well Diameter (in):** 2"

Purge Date: 20-Nov-12	**Purge Time:** 9:11
Purge Method: Submersible pump - low flow	**Field Technician:** MM/PR

Well Volume

A. Well Depth (ft): 14.81	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 3.26	**E. Well Volume (gal) C*D):** 1.85	**Pump Type:** Submersible
C. Liquid Depth (ft) (A-B): 11.55	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^oC)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
915	4.63	1.0	0.25	6.98	-105	17.97	5.570	0.00	45.0
919	4.62	2.0	0.25	7.09	-112	18.44	5.550	0.00	22.3
923	4.62	3.0	0.25	7.14	-116	18.63	5.560	0.00	10.7
927	4.62	4.0	0.25	7.19	-120	18.85	5.570	0.00	7.5
931	4.62	5.0	0.25	7.21	-123	19	5.580	0.00	4.8

Total Quantity of Water Removed (gal):	1.32	**Sampling Time:**	9:32
Samplers:	MM/PR	**Split Sample With:**	-
Sampling Date:	11/20/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-10M	**Personnel:** MM/PR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 50F Cloudy
Sounding Method: Solinist Tape	**Gauge Date:** 19-Nov-12	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 12:40	**Well Diameter (in):** 2"

Purge Date: 20-Nov-12	**Purge Time:** 8:12
Purge Method: Submersible pump - low flow	**Field Technician:** MM/PR

Well Volume

A. Well Depth (ft): 26.88	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 3.53	**E. Well Volume (gal) C*D):** 3.74	**Pump Type:** Submersible
C. Liquid Depth (ft) (A-B): 23.35	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
816	5.12	1.0	0.25	6.52	-5	18.02	3.050	0.00	325.0
820	5.12	2.0	0.25	6.59	-7	17.55	2.880	0.00	107.0
824	5.12	3.0	0.25	6.59	-5	17.85	2.630	0.00	48.2
828	5.08	4.0	0.25	6.59	-4	18.11	2.380	0.00	30.4
832	5.08	5.0	0.25	6.58	-3	18.27	2.250	0.00	22.5
836	5.05	6.0	0.25	6.56	-1	18.55	2.110	0.00	20.0
840	5.02	7.0	0.25	6.55	0	18.71	1.970	0.00	12.6
844	5.00	8.0	0.25	6.55	2	18.78	1.890	0.00	10.7
848	4.98	9.0	0.25	6.53	5	18.88	1.800	0.00	9.6
852	4.95	10.0	0.25	6.50	7	18.95	1.780	0.00	12.6
856	4.93	11.0	0.25	6.48	8	19.11	1.730	0.00	5.7

Total Quantity of Water Removed (gal):	2.91	**Sampling Time:**	9:02
Samplers:	MM/PR	**Split Sample With:**	MS/MSD
Sampling Date:	11/20/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	Personnel:	Client:
MW-8D	MM/PR	NYSDEC
Location:	**Well Condition:**	**Weather:**
Metal Etching Co., Inc. Site	Good	50F Cloudy
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinist Tape	19-Nov-12	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
flush	12:47	2"

Purge Date:	Purge Time:
20-Nov-12	9:46
Purge Method:	**Field Technician:**
Submersible pump - low flow	MM/PR

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
28.58	0.16	flush
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
4.22	3.90	Submersible
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:**
24.36		Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^oC)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
950	4.81	1.0	0.25	6.8	-66	20.24	2.710	0.00	0.0
954	4.83	2.0	0.25	6.72	-62	21.40	2.680	0.00	0.0
958	4.80	3.0	0.25	6.62	-66	21.70	2.810	0.00	500.0
1002	4.78	4.0	0.25	6.60	-68	21.86	2.940	0.00	282.0
1006	4.76	5.0	0.25	6.58	-69	21.93	3.100	0.00	173.0
1010	4.75	6.0	0.25	6.57	-69	21.91	3.170	0.00	155.0
1014	4.75	7.0	0.25	6.53	-68	21.93	3.350	0.00	92.0
1018	4.75	8.0	0.25	6.51	-69	22.01	3.600	0.00	48.7
1022	4.75	9.0	0.25	6.51	-69	22.00	3.620	0.00	48.6
1026	4.75	10.0	0.25	6.51	-69	22.00	3.700	0.00	38.1

Total Quantity of Water Removed (gal):	2.64	**Sampling Time:**	10:31
Samplers:	MM/PR	**Split Sample With:**	-
Sampling Date:	11/20/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS: Water not clear for first two turbidity readings

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-8S	**Personnel:** MM/PR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 50F Cloudy
Sounding Method: Solinist Tape	**Gauge Date:** 19-Nov-12	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 12:50	**Well Diameter (in):** 2"

Purge Date: 20-Nov-12	**Purge Time:** 10:38
Purge Method: Submersible pump - low flow	**Field Technician:** MM/PR

Well Volume

A. Well Depth (ft): 14.01	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 4.44	**E. Well Volume (gal) C*D):** 1.53	**Pump Type:** Submersible
C. Liquid Depth (ft) (A-B): 9.57	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
1042	4.84	1.0	0.25	6.78	-126	21.56	5.210	0.00	800+
1046	4.82	2.0	0.25	6.88	-134	22.01	5.350	0.00	308.0
1050	4.83	3.0	0.25	6.91	-136	22.21	5.580	0.00	102.0
1054	4.82	4.0	0.25	6.92	-136	22.32	5.780	0.00	43.2
1058	4.82	5.0	0.25	6.93	-136	22.36	5.910	0.00	24.0
1102	4.82	6.0	0.25	6.93	-136	22.39	6.000	0.00	15.3

Total Quantity of Water Removed (gal):	1.59	**Sampling Time:**	11:08
Samplers:	MM/PR	**Split Sample With:**	-
Sampling Date:	11/20/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-9D	**Personnel:** MM/PR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 50F Cloudy
Sounding Method: Solinist Tape	**Gauge Date:** 19-Nov-12	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 12:31	**Well Diameter (in):** 2"

Purge Date: 20-Nov-12	**Purge Time:** 11:28
Purge Method: Submersible pump - low flow	**Field Technician:** MM/PR

Well Volume

A. Well Depth (ft): 32.32	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 2.22	**E. Well Volume (gal) C*D):** 4.82	**Pump Type:** Submersible
C. Liquid Depth (ft) (A-B): 30.10	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^oC)	Cond. (mS/cm)	DO (mg/L)	Turbidity (ntu)
1132	2.70	1.0	0.25	7.03	-101	19.14	3.990	6.30	800+
1136	2.69	2.0	0.25	7.08	-107	19.19	3.970	4.53	620
1140	2.67	3.0	0.25	7.11	-111	19.24	3.840	3.00	236
1144	2.65	4.0	0.25	7.14	-114	19.39	3.580	1.78	117
1148	2.61	5.0	0.25	7.16	-116	19.46	3.410	0.84	57.2
1152	2.60	6.0	0.25	7.18	-118	19.42	3.250	0.00	37.2
1156	2.59	7.0	0.25	7.19	-119	19.46	3.110	0.00	22.5
1200	2.59	8.0	0.25	7.20	-120	19.44	2.990	0.00	13.7

Total Quantity of Water Removed (gal):	2.11	**Sampling Time:**	12:02
Samplers:	MM/PR	**Split Sample With:**	DUP
Sampling Date:	11/20/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-4	**Personnel:** MM/PR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 50F Cloudy
Sounding Method: Solinist Tape	**Gauge Date:** 19-Nov-12	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 12:56	**Well Diameter (in):** 2"

Purge Date: 19-Nov-12	**Purge Time:** 14:56
Purge Method: Submersible pump - low flow	**Field Technician:** MM/PR

Well Volume

A. Well Depth (ft): 13.00	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 4.84	**E. Well Volume (gal) C*D):** 1.31	**Pump Type:** Submersible
C. Liquid Depth (ft) (A-B): 8.16	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
1500	4.95	1.0	0.25	6.85	-17	16.78	13.200	1.07	140
1504	4.94	2.0	0.25	6.43	13	20.82	13.200	3.25	79.4
1508	4.94	3.0	0.25	6.41	10	21.12	12.600	2.69	21.0
1512	4.95	4.0	0.25	6.38	21	21.15	11.200	2.02	9.4
1516	4.95	5.0	0.25	6.38	22	21.20	10.800	1.42	5.0
1520	4.95	6.0	0.25	6.38	23	21.23	10.700	1.01	3.1

Total Quantity of Water Removed (gal):	1.59	**Sampling Time:**	15:26
Samplers:	MM/PR	**Split Sample With:**	-
Sampling Date:	11/19/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-06	**Personnel:** MM/PR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Cracked collar	**Weather:** 50F Cloudy
Sounding Method: Solinist Tape	**Gauge Date:** 19-Nov-12	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 12:21	**Well Diameter (in):** 2"

Purge Date: 19-Nov-12	**Purge Time:** 13:58
Purge Method: Submersible pump - low flow	**Field Technician:** MM/PR

Well Volume

A. Well Depth (ft): 13.45	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 3.25	**E. Well Volume (gal) C*D):** 1.63	**Pump Type:** Submersible
C. Liquid Depth (ft) (A-B): 10.20	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^oC)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
1402	3.27	1.0	0.25	6.58	-45	19.68	3.460	0.00	40.7
1406	3.27	2.0	0.25	6.64	-49	19.70	3.450	0.00	48.5
1410	3.32	3.0	0.25	6.68	-56	20.1	3.380	0.00	30.1
1414	3.32	4.0	0.25	6.71	-61	20.33	3.320	0.00	6.4
1418	3.32	5.0	0.25	6.73	-64	20.41	3.300	0.00	3.0
1422	3.32	6.0	0.25	6.74	-66	20.47	3.290	0.00	1.6

Total Quantity of Water Removed (gal):	1.59	**Sampling Time:**	14:30
Samplers:	MM/PR	**Split Sample With:**	-
Sampling Date:	11/19/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS: Gas odor, yellow/orange tint

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	Personnel:	Client:
MW-10D	MM/PR	NYSDEC
Location:	**Well Condition:**	**Weather:**
Metal Etching Co., Inc. Site	Good	50F Cloudy
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Solinist Tape	19-Nov-12	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
flush	13:39	2"

Purge Date:	Purge Time:
19-Nov-12	15:48
Purge Method:	**Field Technician:**
Submersible pump - low flow	MM/PR

Well Volume		
A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
32.11	0.16	flush
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
3.44	4.59	Submersible
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:**
28.67		Grundfos

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO (mg/L)	Turbidity (ntu)
1552	4.45	1.0	0.25	7.28	-9	19.14	0.302	2.83	0
1556	4.50	2.0	0.25	6.94	16	19.23	0.315	0.00	0
1600	4.52	3.0	0.25	6.80	18	19.3	0.320	0.00	800+
1604	4.56	4.0	0.25	6.76	23	19.35	0.337	0.14	699
1608	4.60	5.0	0.25	6.7	20	19.35	0.343	0.39	465
1612	4.61	6.0	0.25	6.67	19	19.38	0.354	0.00	365
1616	4.62	7.0	0.25	6.65	18	19.38	0.371	0.00	270
1620	4.65	8.0	0.25	6.63	17	19.43	0.385	0.00	207
1624	4.69	9.0	0.25	6.63	16	19.42	0.397	0.00	155
1628	4.69	10.0	0.25	6.69	15	19.38	0.402	0.00	130
1632	4.74	11.0	0.25	6.62	15	19.37	0.410	0.00	107
1636	4.79	12.0	0.25	6.66	18	19.47	0.414	0.00	93.6
1640	4.79	13.0	0.25	6.62	16	19.32	0.430	0.00	70.0
1644	4.81	14.0	0.25	6.63	14	19.31	0.419	0.00	67.3
1648	4.85	15.0	0.25	6.59	14	19.52	0.459	0.00	48.0
1652	4.87	16.0	0.25	6.51	13	19.49	0.421	0.00	46.2

Total Quantity of Water Removed (gal):	4.23	**Sampling Time:**	16:59
Samplers:	MM/PR	**Split Sample With:**	-
Sampling Date:	11/19/2012	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS Water not clear for first two turbidity readings

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-4	**Personnel:** CS/MR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 55F, Clear
Sounding Method: Solinist Tape	**Gauge Date:** 19-May-13	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 9:10	**Well Diameter (in):** 2"

Purge Date: 19-May-13	**Purge Time:** 16:24
Purge Method: Peristaltic pump - low flow	**Field Technician:** CS

Well Volume

A. Well Depth (ft): 13.00	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 5.63	**E. Well Volume (gal) C*D):** 1.31	**Pump Type:** Peristaltic
C. Liquid Depth (ft) (A-B): 8.16	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Geopump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
1626	6.73	1.0	0.25	6.73	7	15.85	2.66	1.07	329
1630	6.64	2.0	0.25	6.64	34	15.34	2.56	0.10	144
1634	6.58	3.0	0.25	6.58	37	15.21	2.57	0.00	69.2
1638	6.55	4.0	0.25	6.55	37	15.18	2.57	0.00	46.4
1642	6.53	5.0	0.25	6.53	38	15.18	2.59	0.00	36

Total Quantity of Water Removed (gal): 1.32
Samplers: CS
Sampling Date: 5/19/2013
Sampling Time: 16:44
Split Sample With: -
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-06	**Personnel:** CS/MR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Cracked collar	**Weather:** 55F, Clear
Sounding Method: Solinist Tape	**Gauge Date:** 19-May-13	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 8:45	**Well Diameter (in):** 2"

Purge Date: 19-May-13	**Purge Time:** 9:52
Purge Method: Peristaltic pump - low flow	**Field Technician:** CS

Well Volume

A. Well Depth (ft): 13.49	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 3.88	**E. Well Volume (gal) C*D):** 1.54	**Pump Type:** Peristaltic
C. Liquid Depth (ft) (A-B): 9.61	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Geopump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
9:56	4.81	1.0	0.25	8.44	-109	16.29	1.94	9.91	49
10:00	4.20	2.0	0.25	7.74	-105	16.38	1.95	8.93	44
10:04	4.20	3.0	0.25	7.36	-103	16.32	1.96	8.07	40
10:08	4.21	4.0	0.25	7.15	-102	16.33	1.96	7.22	24
10:12	4.20	5.0	0.25	7.09	-101	16.3	1.96	6.81	17.4
10:16	4.20	6.0	0.25	7.03	-100	16.34	1.96	6.31	16.2

Total Quantity of Water Removed (gal):	1.59	**Sampling Time:**	10:20
Samplers:	CS	**Split Sample With:**	-
Sampling Date:	5/19/2013	**Sample Type:**	Grab

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-9D	**Personnel:** CS/MR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 55F, Clear
Sounding Method: Solinist Tape	**Gauge Date:** 19-May-13	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 8:53	**Well Diameter (in):** 2"

Purge Date: 19-May-13	**Purge Time:** 10:35
Purge Method: Peristaltic pump - low flow	**Field Technician:** CS

Well Volume

A. Well Depth (ft): 32.29	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 4.40	**E. Well Volume (gal) C*D):** 4.46	**Pump Type:** Peristaltic
C. Liquid Depth (ft) (A-B): 27.89	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Geopump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO (mg/L)	Turbidity (ntu)
10:52	4.79	1.0	0.25	6.5	-36	17.28	4.74	1.40	555
10:56	4.79	2.0	0.25	6.37	-32	17.58	4.27	0.64	368
11:00	4.81	3.0	0.25	6.25	-31	17.66	4.13	0.19	90.3
11:04	4.80	4.0	0.25	6.22	-35	17.61	4.22	0.02	62.1
11:08	4.79	5.0	0.25	6.22	-41	17.6	4.26	0.00	42.8
11:12	4.75	6.0	0.25	6.24	-44	17.58	4.26	0.00	31.8

Total Quantity of Water Removed (gal):	1.59	**Sampling Time:**	11:15
Samplers:	CS	**Split Sample With:**	-
Sampling Date:	5/19/2013	**Sample Type:**	Grab

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-9S	**Personnel:** CS/MR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 55F Clear
Sounding Method: Solinist Tape	**Gauge Date:** 19-May-13	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 8:52	**Well Diameter (in):** 2"

Purge Date: 19-May-13	**Purge Time:** 11:27
Purge Method: Peristaltic pump - low flow	**Field Technician:** CS

Well Volume

A. Well Depth (ft): 14.95	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 4.44	**E. Well Volume (gal) C*D):** 1.68	**Pump Type:** Peristaltic
C. Liquid Depth (ft) (A-B): 10.51	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Geopump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
1212	4.59	1.0	0.25	6.67	-47	16.89	1.500	1.79	767
1216	4.59	2.0	0.25	6.85	-74	16.19	1.520	0.14	433
1220	4.58	3.0	0.25	6.91	-32	16.03	1.510	0.00	275
1224	4.53	4.0	0.25	6.94	-88	15.95	1.480	0.00	164
1228	4.51	5.0	0.25	6.96	-91	15.97	1.470	0.00	120
1232	4.48	6.0	0.25	6.97	-95	15.94	1.460	0.00	90.4
1236	4.43	7.0	0.25	6.99	-99	16.08	1.46	0.00	65.1
1240	4.39	8.0	0.25	7	-101	16.13	1.45	0	57.3
1244	4.36	9.0	0.25	7.01	-103	16.03	1.46	0	42.7

Total Quantity of Water Removed (gal):	2.38	**Sampling Time:**	12:52
Samplers:	CS	**Split Sample With:**	DUP 01
Sampling Date:	5/19/2013	**Sample Type:**	Grab

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-10D	**Personnel:** CS/MR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** t55F, Clear
Sounding Method: Solinist Tape	**Gauge Date:** 19-May-13	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 9:25	**Well Diameter (in):** 2"

Purge Date: 19-May-13	**Purge Time:** 14:14
Purge Method: Peristaltic pump - low flow	**Field Technician:** CS

Well Volume

A. Well Depth (ft): 32.07	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 5.59	**E. Well Volume (gal) C*D):** 4.24	**Pump Type:** Peristaltic
C. Liquid Depth (ft) (A-B): 26.48	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Geopump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO (mg/L)	Turbidity (ntu)
14:18	4.61	1.0	0.25	7.23	-96	17.42	0.746	4.71	310
14:22	4.59	2.0	0.25	6.81	-39	17.15	0.763	0.67	140
14:26	4.57	3.0	0.25	6.52	-18	17.15	0.787	0.10	58.3
14:30	4.52	4.0	0.25	6.43	-13	17.12	0.805	0.00	50.7
14:34	4.51	5.0	0.25	6.37	-11	17.15	0.833	0.00	34.1
14:38	4.49	6.0	0.25	6.34	-9	17.14	0.883	0.00	23.9

Total Quantity of Water Removed (gal):	1.59	**Sampling Time:**	14:42
Samplers:	CS	**Split Sample With:**	MS/MSD
Sampling Date:	5/19/2013	**Sample Type:**	Grab

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-10M	**Personnel:** CS/MR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 55F, Clear
Sounding Method: Solinist Tape	**Gauge Date:** 19-May-13	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 9:27	**Well Diameter (in):** 2"

Purge Date: 19-May-13	**Purge Time:** 15:29
Purge Method: Peristaltic pump - low flow	**Field Technician:** CS

Well Volume

A. Well Depth (ft): 26.89	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 5.66	**E. Well Volume (gal) C*D):** 3.40	**Pump Type:** Peristaltic
C. Liquid Depth (ft) (A-B): 21.23	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Geopump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^oC)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
15:30	4.21	1.0	0.25	7.2	-96	16.18	1.59	9.33	124
15:34	4.20	2.0	0.25	7.11	-95	16.08	1.61	8.25	74.1
15:38	4.20	3.0	0.25	7.05	-90	16.08	1.70	7.52	57.3
15:42	4.20	4.0	0.25	7.01	-81	16.09	1.71	6.73	48.7
15:46	4.15	5.0	0.25	6.93	-69	16.04	1.68	5.07	38.3
15:50	4.13	6.0	0.25	6.89	-65	16.05	1.67	0.00	34.5
15:54	4.12	7.0	0.25	6.84	-59	16.04	1.67	0.00	24.6
15:58	4.10	8.0	0.25	6.8	-56	16.03	1.69	0.00	13.2

Total Quantity of Water Removed (gal):	2.12	**Sampling Time:**	16:02
Samplers:	CS	**Split Sample With:**	-
Sampling Date:	5/19/2013	**Sample Type:**	Grab

COMMENTS AND OBSERVATIONS:

Metal Etching Co., Inc. Site No. 130110
GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-10S	**Personnel:** CS/MR	**Client:** NYSDEC
Location: Metal Etching Co., Inc. Site	**Well Condition:** Good	**Weather:** 55F, Clear
Sounding Method: Solinist Tape	**Gauge Date:** 19-May-13	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 9:26	**Well Diameter (in):** 2"

Purge Date: 19-May-13	**Purge Time:** 15:00
Purge Method: Peristaltic pump - low flow	**Field Technician:** CS

Well Volume

A. Well Depth (ft): 14.83	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** flush
B. Depth to Water (ft): 5.11	**E. Well Volume (gal) C*D):** 1.56	**Pump Type:** Peristaltic
C. Liquid Depth (ft) (A-B): 9.72	**F. Three Well Volumes (gal) (E3):**	**Pump Designation:** Geopump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (L)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp. (^{o}C)	Cond. (mS/cm)	DO mg/L)	Turbidity (ntu)
15:02	4.61	1.0	0.25	6.79	-90	15.17	1.4	0.38	2.7
15:06	4.58	2.0	0.25	7.09	-108	14.71	1.4	0.00	0.0
15:10	4.58	3.0	0.25	7.17	-113	14.65	1.41	0.00	2.6
15:14	4.55	4.0	0.25	7.25	-117	14.61	1.42	0.00	3.0

Total Quantity of Water Removed (gal): 1.06
Samplers: CS
Sampling Date: 5/19/2013
Sampling Time: 15:18
Split Sample With: -
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

Appendix C

Analytical Data

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 4, 2012

Robert Casey
EA Engineering, Science & Tech. - NY
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211

Project Location: Freeport, NY
Client Job Number:
Project Number: 1490709
Laboratory Work Order Number: 12K0749

Enclosed are results of analyses for samples received by the laboratory on November 21, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paula E. Blakeborough
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EA Engineering, Science & Tech. - NY
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211
ATTN: Robert Casey

REPORT DATE: 12/4/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 1490709

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0749

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Freeport, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
130110-MW-06-1112	12K0749-01	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-04-1112	12K0749-02	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-10D-1112	12K0749-03	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-10M-1112	12K0749-04	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-10S-1112	12K0749-05	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EA Engineering, Science & Tech. - NY
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211
ATTN: Robert Casey

REPORT DATE: 12/4/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 1490709

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0749

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Freeport, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
130110-MW-08D-1112	12K0749-06	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-08S-1112	12K0749-07	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-09D-1112	12K0749-08	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-DUP-1112	12K0749-09	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-09S-1112	12K0749-10	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260C

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromoform, trans-1,4-Dichloro-2-butene

B063413-BS1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK)

B063413-BS1

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

1,4-Dioxane, Chloromethane, Dichlorodifluoromethane (Freon 12)

12K0749-04[130110-MW-10M-1112], B063413-MS1, B063413-MSD1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

trans-1,4-Dichloro-2-butene

12K0749-04[130110-MW-10M-1112], B063413-MS1, B063413-MSD1

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromomethane, tert-Butyl Alcohol (TBA)

B063413-MS1, B063413-MSD1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Acrylonitrile, Bromomethane, Naphthalene, tert-Butyl Alcohol (TBA)

12K0749-01[130110-MW-06-1112], 12K0749-02[130110-MW-04-1112], 12K0749-03[130110-MW-10D-1112], 12K0749-04[130110-MW-10M-1112], 12K0749-05[130110-MW-10S-1112], 12K0749-06[130110-MW-08D-1112], 12K0749-07[130110-MW-08S-1112], 12K0749-08[130110-MW-09D-1112], 12K0749-09[130110-DUP-1112], 12K0749-10[130110-MW-09S-1112], B063413-BLK1, B063413-BS1, B063413-BSD1, B063413-MS1, B063413-MSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Bromoform, trans-1,4-Dichloro-2-butene

12K0749-01[130110-MW-06-1112], 12K0749-02[130110-MW-04-1112], 12K0749-03[130110-MW-10D-1112], 12K0749-04[130110-MW-10M-1112], 12K0749-05[130110-MW-10S-1112], 12K0749-06[130110-MW-08D-1112], 12K0749-07[130110-MW-08S-1112], 12K0749-08[130110-MW-09D-1112], 12K0749-09[130110-DUP-1112], 12K0749-10[130110-MW-09S-1112], B063413-BLK1, B063413-BS1, B063413-BSD1, B063413-MS1, B063413-MSD1

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Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Acetone

12K0749-05[130110-MW-10S-1112], 12K0749-07[130110-MW-08S-1112], 12K0749-08[130110-MW-09D-1112], 12K0749-09[130110-DUP-1112], 12K0749-10[130110-MW-09S-1112], B063413-BS1, B063413-BSD1, B063413-MS1, B063413-MSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, tert-Butyl Alcohol (TBA), Tetrahydrofuran

12K0749-01[130110-MW-06-1112], 12K0749-02[130110-MW-04-1112], 12K0749-03[130110-MW-10D-1112], 12K0749-04[130110-MW-10M-1112], 12K0749-05[130110-MW-10S-1112], 12K0749-06[130110-MW-08D-1112], 12K0749-07[130110-MW-08S-1112], 12K0749-08[130110-MW-09D-1112], 12K0749-09[130110-DUP-1112], 12K0749-10[130110-MW-09S-1112], B063413-BLK1, B063413-BS1, B063413-BSD1, B063413-MS1, B063413-MSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B063413-BS1, B063413-BSD1, B063413-MS1, B063413-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-06-1112 | Sampled: 11/19/2012 14:30

Sample ID: 12K0749-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
tert-Butylbenzene	1.1	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-06-1112 | Sampled: 11/19/2012 14:30

Sample ID: 12K0749-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Methyl tert-Butyl Ether (MTBE)	1.5	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		11/26/12 18:40
Toluene-d8	101	70-130		11/26/12 18:40
4-Bromofluorobenzene	101	70-130		11/26/12 18:40

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-06-1112 | Sampled: 11/19/2012 14:30

Sample ID: 12K0749-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:25	KSH
Barium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:14	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:14	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:14	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:14	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:38	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:14	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:25	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-06-1112 | Sampled: 11/19/2012 14:30

Sample ID: 12K0749-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	810	50	mg/L	50		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	75	20	mg/L	10		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	22	2.0	mg/L	2		SM 5310B	11/29/12	11/29/12 9:27	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-04-1112 | Sampled: 11/19/2012 15:26

Sample ID: 12K0749-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-04-1112 | Sampled: 11/19/2012 15:26

Sample ID: 12K0749-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Tetrachloroethylene	2.0	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Trichloroethylene	1.0	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		11/26/12 16:03
Toluene-d8	102	70-130		11/26/12 16:03
4-Bromofluorobenzene	100	70-130		11/26/12 16:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-04-1112 | Sampled: 11/19/2012 15:26

Sample ID: 12K0749-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:30	KSH
Barium	0.27	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:35	OP
Cadmium	0.0051	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:35	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:35	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:35	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:40	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:35	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:30	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-04-1112 | Sampled: 11/19/2012 15:26

Sample ID: 12K0749-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	3400	100	mg/L	100		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	0.54	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	330	20	mg/L	10		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	5.2	1.0	mg/L	1		SM 5310B	11/29/12	11/29/12 9:27	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10D-1112 | Sampled: 11/19/2012 16:59

Sample ID: 12K0749-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10D-1112 | Sampled: 11/19/2012 16:59

Sample ID: 12K0749-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Methyl tert-Butyl Ether (MTBE)	1.1	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	111	70-130		11/26/12 16:29
Toluene-d8	100	70-130		11/26/12 16:29
4-Bromofluorobenzene	97.3	70-130		11/26/12 16:29

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10D-1112 | Sampled: 11/19/2012 16:59

Sample ID: 12K0749-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:36	KSH
Barium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:41	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:41	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:41	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:41	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:41	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:41	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:36	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10D-1112 | Sampled: 11/19/2012 16:59

Sample ID: 12K0749-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	180	10	mg/L	10		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	0.075	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	23	2.0	mg/L	1		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	1.7	1.0	mg/L	1		SM 5310B	11/29/12	11/29/12 9:27	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10M-1112 | Sampled: 11/20/2012 09:02

Sample ID: 12K0749-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chloromethane	ND	2.0	µg/L	1	MS-07A	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	MS-09, V-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	MS-07A	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10M-1112 | Sampled: 11/20/2012 09:02

Sample ID: 12K0749-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,4-Dioxane	ND	50	µg/L	1	MS-07A, V-16	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Methyl tert-Butyl Ether (MTBE)	2.9	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Tetrachloroethylene	2.5	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		11/26/12 16:56
Toluene-d8	103	70-130		11/26/12 16:56
4-Bromofluorobenzene	96.7	70-130		11/26/12 16:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10M-1112 | Sampled: 11/20/2012 09:02

Sample ID: 12K0749-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 21:29	KSH
Barium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 20:45	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 20:45	OP
Chromium	0.010	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 20:45	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 20:45	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:47	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 20:45	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 21:29	KSH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10M-1112 | Sampled: 11/20/2012 09:02

Sample ID: 12K0749-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	380	10	mg/L	10		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	0.31	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	120	20	mg/L	10		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	4.6	1.0	mg/L	1		SM 5310B	11/29/12	11/29/12 9:27	LL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10S-1112 | Sampled: 11/20/2012 09:32

Sample ID: 12K0749-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	190	50	µg/L	1	V-06	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
cis-1,2-Dichloroethylene	1.4	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10S-1112 | Sampled: 11/20/2012 09:32

Sample ID: 12K0749-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	105	70-130		11/26/12 19:06
Toluene-d8	102	70-130		11/26/12 19:06
4-Bromofluorobenzene	98.8	70-130		11/26/12 19:06

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10S-1112 | Sampled: 11/20/2012 09:32

Sample ID: 12K0749-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:41	KSH
Barium	0.35	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:45	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:45	OP
Chromium	0.014	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:45	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:45	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:49	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:45	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:41	KSH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10S-1112 | Sampled: 11/20/2012 09:32

Sample ID: 12K0749-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	1700	50	mg/L	50		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	180	20	mg/L	10		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	6.5	1.0	mg/L	1		SM 5310B	11/29/12	11/29/12 9:27	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08D-1112 | Sampled: 11/20/2012 10:31

Sample ID: 12K0749-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
cis-1,2-Dichloroethylene	52	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08D-1112 | Sampled: 11/20/2012 10:31

Sample ID: 12K0749-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Tetrachloroethylene	1900	200	µg/L	200		SW-846 8260C	11/28/12	11/28/12 13:31	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Trichloroethylene	70	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Vinyl Chloride	3.3	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.8	70-130		11/28/12 13:31
1,2-Dichloroethane-d4	110	70-130		11/26/12 17:22
Toluene-d8	103	70-130		11/28/12 13:31
Toluene-d8	101	70-130		11/26/12 17:22
4-Bromofluorobenzene	89.0	70-130		11/28/12 13:31
4-Bromofluorobenzene	98.9	70-130		11/26/12 17:22

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08D-1112 | Sampled: 11/20/2012 10:31

Sample ID: 12K0749-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:47	KSH
Barium	0.10	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:51	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:51	OP
Chromium	0.041	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:51	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:51	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:51	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:51	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 22:47	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08D-1112 | Sampled: 11/20/2012 10:31

Sample ID: 12K0749-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	1200	50	mg/L	50		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	180	20	mg/L	10		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	8.1	1.0	mg/L	1		SM 5310B	11/29/12	11/29/12 9:27	LL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08S-1112 | Sampled: 11/20/2012 11:08

Sample ID: 12K0749-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	74	50	µg/L	1	V-06	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
cis-1,2-Dichloroethylene	85	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08S-1112 | Sampled: 11/20/2012 11:08

Sample ID: 12K0749-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Methyl tert-Butyl Ether (MTBE)	1.5	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Tetrachloroethylene	100	20	µg/L	20		SW-846 8260C	11/28/12	11/28/12 14:02	LBD
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Trichloroethylene	140	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	97.7	70-130		11/28/12 14:02
1,2-Dichloroethane-d4	106	70-130		11/26/12 19:32
Toluene-d8	106	70-130		11/28/12 14:02
Toluene-d8	98.4	70-130		11/26/12 19:32
4-Bromofluorobenzene	98.2	70-130		11/26/12 19:32
4-Bromofluorobenzene	93.6	70-130		11/28/12 14:02

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08S-1112 | Sampled: 11/20/2012 11:08

Sample ID: 12K0749-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 23:09	KSH
Barium	0.20	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:56	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:56	OP
Chromium	0.21	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:56	OP
Lead	0.010	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:56	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:52	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 21:56	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 23:09	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08S-1112 | Sampled: 11/20/2012 11:08

Sample ID: 12K0749-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	2100	100	mg/L	100		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	220	20	mg/L	10		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	11	1.0	mg/L	1		SM 5310B	11/29/12	11/29/12 9:27	LL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09D-1112 | Sampled: 11/20/2012 12:02

Sample ID: 12K0749-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	250	50	µg/L	1	V-06	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1-Dichloroethylene	2.0	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
cis-1,2-Dichloroethylene	530	50	µg/L	50		SW-846 8260C	11/28/12	11/28/12 14:32	LBD
trans-1,2-Dichloroethylene	2.3	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09D-1112 | Sampled: 11/20/2012 12:02

Sample ID: 12K0749-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Tetrachloroethylene	89	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Trichloroethylene	180	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Vinyl Chloride	48	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		11/26/12 17:48
1,2-Dichloroethane-d4	95.0	70-130		11/28/12 14:32
Toluene-d8	102	70-130		11/26/12 17:48
Toluene-d8	105	70-130		11/28/12 14:32
4-Bromofluorobenzene	88.2	70-130		11/28/12 14:32
4-Bromofluorobenzene	98.0	70-130		11/26/12 17:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09D-1112 | Sampled: 11/20/2012 12:02

Sample ID: 12K0749-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 23:15	KSH
Barium	0.086	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:02	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:02	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:02	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:02	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:54	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:02	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 23:15	KSH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09D-1112 | Sampled: 11/20/2012 12:02

Sample ID: 12K0749-08

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	730	20	mg/L	20		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	57	20	mg/L	10		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	13	1.0	mg/L	1		SM 5310B	11/29/12	11/29/12 9:27	LL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-DUP-1112 | Sampled: 11/19/2012 00:00

Sample ID: 12K0749-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	310	50	µg/L	1	V-06	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1-Dichloroethylene	2.0	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
cis-1,2-Dichloroethylene	470	50	µg/L	50		SW-846 8260C	11/28/12	11/28/12 15:02	LBD
trans-1,2-Dichloroethylene	2.3	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-DUP-1112 | Sampled: 11/19/2012 00:00

Sample ID: 12K0749-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Tetrachloroethylene	79	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Trichloroethylene	170	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Vinyl Chloride	49	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	107	70-130		11/26/12 18:14
1,2-Dichloroethane-d4	96.2	70-130		11/28/12 15:02
Toluene-d8	105	70-130		11/28/12 15:02
Toluene-d8	100	70-130		11/26/12 18:14
4-Bromofluorobenzene	93.5	70-130		11/28/12 15:02
4-Bromofluorobenzene	97.8	70-130		11/26/12 18:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-DUP-1112 | Sampled: 11/19/2012 00:00

Sample ID: 12K0749-09

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 23:20	KSH
Barium	0.096	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:07	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:07	OP
Chromium	0.013	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:07	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:07	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:56	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:07	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 23:20	KSH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09S-1112 | Sampled: 11/19/2012 12:45

Sample ID: 12K0749-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	1700	50	µg/L	1	V-06	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Acrylonitrile	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
2-Butanone (MEK)	ND	20	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	R-05, V-16	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1-Dichloroethylene	1.8	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
cis-1,2-Dichloroethylene	1300	50	µg/L	50		SW-846 8260C	11/28/12	11/28/12 15:33	LBD
trans-1,2-Dichloroethylene	4.7	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09S-1112 | Sampled: 11/19/2012 12:45

Sample ID: 12K0749-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Methyl tert-Butyl Ether (MTBE)	1.1	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Naphthalene	ND	2.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Tetrahydrofuran	ND	10	µg/L	1	V-16	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Trichloroethylene	5.2	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Vinyl Chloride	290	100	µg/L	50		SW-846 8260C	11/28/12	11/28/12 15:33	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.9	70-130		11/28/12 15:33
1,2-Dichloroethane-d4	103	70-130		11/26/12 19:58
Toluene-d8	105	70-130		11/28/12 15:33
Toluene-d8	99.6	70-130		11/26/12 19:58
4-Bromofluorobenzene	91.6	70-130		11/28/12 15:33
4-Bromofluorobenzene	97.3	70-130		11/26/12 19:58

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09S-1112 | Sampled: 11/19/2012 12:45

Sample ID: 12K0749-10

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	11/28/12	11/28/12 23:26	KSH
Barium	0.38	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:13	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:13	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:13	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:13	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/27/12	11/27/12 12:57	SAJ
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/26/12	11/27/12 22:13	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010C	11/28/12	11/28/12 23:26	KSH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09S-1112 | Sampled: 11/19/2012 12:45

Sample ID: 12K0749-10

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	2000	50	mg/L	50		SM18-20 4500 CL B	11/28/12	11/28/12 9:50	VAK
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	11/29/12	11/29/12 10:54	VAK
Sulfate	41	10	mg/L	5		ASTM D516-90, 02	11/29/12	11/29/12 13:45	AED
Sulfide	ND	2.0	mg/L	1		SM18-20 4500S-E	11/26/12	11/26/12 10:35	LL
Total Organic Carbon	49	10	mg/L	10		SM 5310B	11/29/12	11/29/12 9:27	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

ASTM D516-90, 02

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01 [130110-MW-06-1112]	B063668	10.0	100	11/29/12
12K0749-02 [130110-MW-04-1112]	B063668	10.0	100	11/29/12
12K0749-03 [130110-MW-10D-1112]	B063668	100	100	11/29/12
12K0749-04 [130110-MW-10M-1112]	B063668	10.0	100	11/29/12
12K0749-05 [130110-MW-10S-1112]	B063668	10.0	100	11/29/12
12K0749-06 [130110-MW-08D-1112]	B063668	10.0	100	11/29/12
12K0749-07 [130110-MW-08S-1112]	B063668	10.0	100	11/29/12
12K0749-08 [130110-MW-09D-1112]	B063668	10.0	100	11/29/12
12K0749-10 [130110-MW-09S-1112]	B063668	20.0	100	11/29/12

Prep Method: SM 4500 NO3-F-SM 18-20 4500 NO3 F

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01 [130110-MW-06-1112]	B063713	25.0	25.0	11/29/12
12K0749-02 [130110-MW-04-1112]	B063713	25.0	25.0	11/29/12
12K0749-03 [130110-MW-10D-1112]	B063713	25.0	25.0	11/29/12
12K0749-04 [130110-MW-10M-1112]	B063713	25.0	25.0	11/29/12
12K0749-05 [130110-MW-10S-1112]	B063713	25.0	25.0	11/29/12
12K0749-06 [130110-MW-08D-1112]	B063713	25.0	25.0	11/29/12
12K0749-07 [130110-MW-08S-1112]	B063713	25.0	25.0	11/29/12
12K0749-08 [130110-MW-09D-1112]	B063713	25.0	25.0	11/29/12
12K0749-10 [130110-MW-09S-1112]	B063713	25.0	25.0	11/29/12

SM 5310B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01 [130110-MW-06-1112]	B063697	50.0	50.0	11/29/12
12K0749-02 [130110-MW-04-1112]	B063697	50.0	50.0	11/29/12
12K0749-03 [130110-MW-10D-1112]	B063697	50.0	50.0	11/29/12
12K0749-04 [130110-MW-10M-1112]	B063697	50.0	50.0	11/29/12
12K0749-05 [130110-MW-10S-1112]	B063697	50.0	50.0	11/29/12
12K0749-06 [130110-MW-08D-1112]	B063697	50.0	50.0	11/29/12
12K0749-07 [130110-MW-08S-1112]	B063697	50.0	50.0	11/29/12
12K0749-08 [130110-MW-09D-1112]	B063697	50.0	50.0	11/29/12
12K0749-10 [130110-MW-09S-1112]	B063697	50.0	50.0	11/29/12

SM18-20 4500 CL B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01 [130110-MW-06-1112]	B063608	100	100	11/28/12
12K0749-02 [130110-MW-04-1112]	B063608	100	100	11/28/12
12K0749-03 [130110-MW-10D-1112]	B063608	100	100	11/28/12
12K0749-04 [130110-MW-10M-1112]	B063608	100	100	11/28/12
12K0749-05 [130110-MW-10S-1112]	B063608	100	100	11/28/12
12K0749-06 [130110-MW-08D-1112]	B063608	100	100	11/28/12
12K0749-07 [130110-MW-08S-1112]	B063608	100	100	11/28/12
12K0749-08 [130110-MW-09D-1112]	B063608	100	100	11/28/12
12K0749-10 [130110-MW-09S-1112]	B063608	100	100	11/28/12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

SM18-20 4500S-E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01 [130110-MW-06-1112]	B063442	100	100	11/26/12
12K0749-02 [130110-MW-04-1112]	B063442	100	100	11/26/12
12K0749-03 [130110-MW-10D-1112]	B063442	100	100	11/26/12
12K0749-04 [130110-MW-10M-1112]	B063442	100	100	11/26/12
12K0749-05 [130110-MW-10S-1112]	B063442	100	100	11/26/12
12K0749-06 [130110-MW-08D-1112]	B063442	100	100	11/26/12
12K0749-07 [130110-MW-08S-1112]	B063442	100	100	11/26/12
12K0749-08 [130110-MW-09D-1112]	B063442	100	100	11/26/12
12K0749-10 [130110-MW-09S-1112]	B063442	100	100	11/26/12

Prep Method: SW-846 3005A-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01 [130110-MW-06-1112]	B063450	50.0	50.0	11/26/12
12K0749-02 [130110-MW-04-1112]	B063450	50.0	50.0	11/26/12
12K0749-03 [130110-MW-10D-1112]	B063450	50.0	50.0	11/26/12
12K0749-04 [130110-MW-10M-1112]	B063450	50.0	50.0	11/26/12
12K0749-05 [130110-MW-10S-1112]	B063450	50.0	50.0	11/26/12
12K0749-06 [130110-MW-08D-1112]	B063450	50.0	50.0	11/26/12
12K0749-07 [130110-MW-08S-1112]	B063450	50.0	50.0	11/26/12
12K0749-08 [130110-MW-09D-1112]	B063450	50.0	50.0	11/26/12
12K0749-09 [130110-DUP-1112]	B063450	50.0	50.0	11/26/12
12K0749-10 [130110-MW-09S-1112]	B063450	50.0	50.0	11/26/12

Prep Method: SW-846 3005A-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01RE1 [130110-MW-06-1112]	B063580	50.0	50.0	11/28/12
12K0749-02RE1 [130110-MW-04-1112]	B063580	50.0	50.0	11/28/12
12K0749-03RE1 [130110-MW-10D-1112]	B063580	50.0	50.0	11/28/12
12K0749-04RE1 [130110-MW-10M-1112]	B063580	50.0	50.0	11/28/12
12K0749-05RE1 [130110-MW-10S-1112]	B063580	50.0	50.0	11/28/12
12K0749-06RE1 [130110-MW-08D-1112]	B063580	50.0	50.0	11/28/12
12K0749-07RE1 [130110-MW-08S-1112]	B063580	50.0	50.0	11/28/12
12K0749-08RE1 [130110-MW-09D-1112]	B063580	50.0	50.0	11/28/12
12K0749-09RE1 [130110-DUP-1112]	B063580	50.0	50.0	11/28/12
12K0749-10RE1 [130110-MW-09S-1112]	B063580	50.0	50.0	11/28/12

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01 [130110-MW-06-1112]	B063476	6.00	6.00	11/27/12
12K0749-02 [130110-MW-04-1112]	B063476	6.00	6.00	11/27/12
12K0749-03 [130110-MW-10D-1112]	B063476	6.00	6.00	11/27/12
12K0749-04 [130110-MW-10M-1112]	B063476	6.00	6.00	11/27/12
12K0749-05 [130110-MW-10S-1112]	B063476	6.00	6.00	11/27/12
12K0749-06 [130110-MW-08D-1112]	B063476	6.00	6.00	11/27/12
12K0749-07 [130110-MW-08S-1112]	B063476	6.00	6.00	11/27/12
12K0749-08 [130110-MW-09D-1112]	B063476	6.00	6.00	11/27/12
12K0749-09 [130110-DUP-1112]	B063476	6.00	6.00	11/27/12
12K0749-10 [130110-MW-09S-1112]	B063476	6.00	6.00	11/27/12

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-01 [130110-MW-06-1112]	B063413	5	5.00	11/26/12
12K0749-02 [130110-MW-04-1112]	B063413	5	5.00	11/26/12
12K0749-03 [130110-MW-10D-1112]	B063413	5	5.00	11/26/12
12K0749-04 [130110-MW-10M-1112]	B063413	5	5.00	11/26/12
12K0749-05 [130110-MW-10S-1112]	B063413	5	5.00	11/26/12
12K0749-06 [130110-MW-08D-1112]	B063413	5	5.00	11/26/12
12K0749-07 [130110-MW-08S-1112]	B063413	5	5.00	11/26/12
12K0749-08 [130110-MW-09D-1112]	B063413	5	5.00	11/26/12
12K0749-09 [130110-DUP-1112]	B063413	5	5.00	11/26/12
12K0749-10 [130110-MW-09S-1112]	B063413	5	5.00	11/26/12

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12K0749-06RE1 [130110-MW-08D-1112]	B063487	0.025	5.00	11/28/12
12K0749-07RE1 [130110-MW-08S-1112]	B063487	0.25	5.00	11/28/12
12K0749-08RE1 [130110-MW-09D-1112]	B063487	0.1	5.00	11/28/12
12K0749-09RE1 [130110-DUP-1112]	B063487	0.1	5.00	11/28/12
12K0749-10RE1 [130110-MW-09S-1112]	B063487	0.1	5.00	11/28/12

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B063413 - SW-846 5030B										
Blank (B063413-BLK1)				Prepared & Analyzed: 11/26/12						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							R-05
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							V-05
Bromomethane	ND	2.0	µg/L							R-05
2-Butanone (MEK)	ND	20	µg/L							R-05
tert-Butyl Alcohol (TBA)	ND	20	µg/L							R-05, V-16
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							R-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							R-05
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B063413 - SW-846 5030B												
Blank (B063413-BLK1)				Prepared & Analyzed: 11/26/12								
Methylene Chloride	ND	5.0	µg/L									
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								R-05	
Naphthalene	ND	2.0	µg/L								R-05	
n-Propylbenzene	ND	1.0	µg/L									
Styrene	ND	1.0	µg/L									
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L									
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L									
Tetrachloroethylene	ND	1.0	µg/L									
Tetrahydrofuran	ND	10	µg/L								V-16	
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L								R-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L									
1,3,5-Trichlorobenzene	ND	1.0	µg/L									
1,1,1-Trichloroethane	ND	1.0	µg/L									
1,1,2-Trichloroethane	ND	1.0	µg/L									
Trichloroethylene	ND	1.0	µg/L									
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L									
1,2,3-Trichloropropane	ND	2.0	µg/L									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	µg/L									
Vinyl Chloride	ND	2.0	µg/L									
m+p Xylene	ND	2.0	µg/L									
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*27.2*		µg/L	25.0		109		70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3		70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0		70-130				
LCS (B063413-BS1)				Prepared & Analyzed: 11/26/12								
Acetone	128	50	µg/L	100		128		70-160			V-06	†
Acrylonitrile	8.74	5.0	µg/L	10.0		87.4		70-130			R-05	
tert-Amyl Methyl Ether (TAME)	8.59	0.50	µg/L	10.0		85.9		70-130				
Benzene	9.73	1.0	µg/L	10.0		97.3		70-130				
Bromobenzene	9.49	1.0	µg/L	10.0		94.9		70-130				
Bromochloromethane	8.65	1.0	µg/L	10.0		86.5		70-130				
Bromodichloromethane	8.74	0.50	µg/L	10.0		87.4		70-130				
Bromoform	6.85	1.0	µg/L	10.0		**68.5**	*	70-130			L-07, V-05	
Bromomethane	7.89	2.0	µg/L	10.0		78.9		40-160			R-05, V-20	†
2-Butanone (MEK)	98.4	20	µg/L	100		98.4		40-160			R-05	†
tert-Butyl Alcohol (TBA)	74.9	20	µg/L	100		74.9		40-160			R-05, V-16	†
n-Butylbenzene	9.46	1.0	µg/L	10.0		94.6		70-130				
sec-Butylbenzene	9.53	1.0	µg/L	10.0		95.3		70-130				
tert-Butylbenzene	9.42	1.0	µg/L	10.0		94.2		70-130				
tert-Butyl Ethyl Ether (TBEE)	8.85	0.50	µg/L	10.0		88.5		70-130				
Carbon Disulfide	9.89	4.0	µg/L	10.0		98.9		70-130				
Carbon Tetrachloride	9.44	5.0	µg/L	10.0		94.4		70-130				
Chlorobenzene	9.60	1.0	µg/L	10.0		96.0		70-130				
Chlorodibromomethane	7.64	0.50	µg/L	10.0		76.4		70-130				
Chloroethane	9.46	2.0	µg/L	10.0		94.6		70-130				
Chloroform	10.3	2.0	µg/L	10.0		103		70-130				
Chloromethane	4.28	2.0	µg/L	10.0		42.8		40-160				†
2-Chlorotoluene	9.55	1.0	µg/L	10.0		95.5		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B063413 - SW-846 5030B												
LCS (B063413-BS1)				Prepared & Analyzed: 11/26/12								
4-Chlorotoluene	9.48	1.0	µg/L	10.0		94.8		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	6.31	5.0	µg/L	10.0		**63.1**	*	70-130			L-07A, R-05	
1,2-Dibromoethane (EDB)	9.00	0.50	µg/L	10.0		90.0		70-130				
Dibromomethane	8.88	1.0	µg/L	10.0		88.8		70-130				
1,2-Dichlorobenzene	8.81	1.0	µg/L	10.0		88.1		70-130				
1,3-Dichlorobenzene	9.02	1.0	µg/L	10.0		90.2		70-130				
1,4-Dichlorobenzene	9.45	1.0	µg/L	10.0		94.5		70-130				
trans-1,4-Dichloro-2-butene	6.06	2.0	µg/L	10.0		**60.6**	*	70-130			L-07, V-05	
Dichlorodifluoromethane (Freon 12)	4.06	2.0	µg/L	10.0		40.6		40-160				†
1,1-Dichloroethane	9.85	1.0	µg/L	10.0		98.5		70-130				
1,2-Dichloroethane	8.79	1.0	µg/L	10.0		87.9		70-130				
1,1-Dichloroethylene	9.15	1.0	µg/L	10.0		91.5		70-130				
cis-1,2-Dichloroethylene	8.97	1.0	µg/L	10.0		89.7		70-130				
trans-1,2-Dichloroethylene	9.63	1.0	µg/L	10.0		96.3		70-130				
1,2-Dichloropropane	8.79	1.0	µg/L	10.0		87.9		70-130				
1,3-Dichloropropane	8.85	0.50	µg/L	10.0		88.5		70-130				
2,2-Dichloropropane	9.66	1.0	µg/L	10.0		96.6		40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103		70-130				
cis-1,3-Dichloropropene	8.29	0.50	µg/L	10.0		82.9		70-130				
trans-1,3-Dichloropropene	8.26	0.50	µg/L	10.0		82.6		70-130				
Diethyl Ether	9.38	2.0	µg/L	10.0		93.8		70-130				
Diisopropyl Ether (DIPE)	9.44	0.50	µg/L	10.0		94.4		70-130				
1,4-Dioxane	80.5	50	µg/L	100		80.5		40-130			V-16	†
Ethylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
Hexachlorobutadiene	8.99	0.50	µg/L	10.0		89.9		70-130				
2-Hexanone (MBK)	69.5	10	µg/L	100		**69.5**	*	70-160			L-07A, R-05	†
Isopropylbenzene (Cumene)	9.92	1.0	µg/L	10.0		99.2		70-130				
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100		70-130				
Methyl tert-Butyl Ether (MTBE)	9.80	1.0	µg/L	10.0		98.0		70-130				
Methylene Chloride	9.77	5.0	µg/L	10.0		97.7		70-130				
4-Methyl-2-pentanone (MIBK)	69.2	10	µg/L	100		**69.2**	*	70-160			L-07A, R-05	†
Naphthalene	7.04	2.0	µg/L	10.0		70.4		40-130			R-05	†
n-Propylbenzene	10.0	1.0	µg/L	10.0		100		70-130				
Styrene	9.14	1.0	µg/L	10.0		91.4		70-130				
1,1,1,2-Tetrachloroethane	8.48	1.0	µg/L	10.0		84.8		70-130				
1,1,2,2-Tetrachloroethane	8.08	0.50	µg/L	10.0		80.8		70-130				
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130				
Tetrahydrofuran	9.83	10	µg/L	10.0		98.3		70-130			V-16	
Toluene	9.86	1.0	µg/L	10.0		98.6		70-130				
1,2,3-Trichlorobenzene	7.29	5.0	µg/L	10.0		72.9		70-130			R-05	
1,2,4-Trichlorobenzene	8.28	1.0	µg/L	10.0		82.8		70-130				
1,3,5-Trichlorobenzene	8.56	1.0	µg/L	10.0		85.6		70-130				
1,1,1-Trichloroethane	9.56	1.0	µg/L	10.0		95.6		70-130				
1,1,2-Trichloroethane	8.67	1.0	µg/L	10.0		86.7		70-130				
Trichloroethylene	9.44	1.0	µg/L	10.0		94.4		70-130				
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.0		105		70-130				
1,2,3-Trichloropropane	8.21	2.0	µg/L	10.0		82.1		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108		70-130				
1,2,4-Trimethylbenzene	9.31	1.0	µg/L	10.0		93.1		70-130				
1,3,5-Trimethylbenzene	9.63	1.0	µg/L	10.0		96.3		70-130				
Vinyl Chloride	7.92	2.0	µg/L	10.0		79.2		40-160				†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B063413 - SW-846 5030B												
LCS (B063413-BS1)				Prepared & Analyzed: 11/26/12								
m+p Xylene	20.0	2.0	µg/L	20.0		99.8	70-130					
o-Xylene	9.81	1.0	µg/L	10.0		98.1	70-130					
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.4	70-130					
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130					
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130					
LCS Dup (B063413-BSD1)				Prepared & Analyzed: 11/26/12								
Acetone	155	50	µg/L	100		155	70-160	18.9		25	V-06	†
Acrylonitrile	11.3	5.0	µg/L	10.0		113	70-130	**25.3**	*	25	R-05	
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130	20.6		25		
Benzene	10.3	1.0	µg/L	10.0		103	70-130	5.30		25		
Bromobenzene	9.42	1.0	µg/L	10.0		94.2	70-130	0.740		25		
Bromochloromethane	9.56	1.0	µg/L	10.0		95.6	70-130	9.99		25		
Bromodichloromethane	8.27	0.50	µg/L	10.0		82.7	70-130	5.53		25		
Bromoform	7.33	1.0	µg/L	10.0		73.3	70-130	6.77		25	V-05	
Bromomethane	10.3	2.0	µg/L	10.0		103	40-160	**26.6**	*	25	R-05, V-20	†
2-Butanone (MEK)	131	20	µg/L	100		131	40-160	**28.5**	*	25	R-05	†
tert-Butyl Alcohol (TBA)	110	20	µg/L	100		110	40-160	**37.8**	*	25	R-05, V-16	†
n-Butylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130	0.632		25		
sec-Butylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130	0.105		25		
tert-Butylbenzene	9.32	1.0	µg/L	10.0		93.2	70-130	1.07		25		
tert-Butyl Ethyl Ether (TBEE)	10.3	0.50	µg/L	10.0		103	70-130	15.0		25		
Carbon Disulfide	10.2	4.0	µg/L	10.0		102	70-130	3.28		25		
Carbon Tetrachloride	9.66	5.0	µg/L	10.0		96.6	70-130	2.30		25		
Chlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130	1.04		25		
Chlorodibromomethane	8.13	0.50	µg/L	10.0		81.3	70-130	6.21		25		
Chloroethane	9.38	2.0	µg/L	10.0		93.8	70-130	0.849		25		
Chloroform	10.9	2.0	µg/L	10.0		109	70-130	5.76		25		
Chloromethane	4.35	2.0	µg/L	10.0		43.5	40-160	1.62		25		†
2-Chlorotoluene	9.26	1.0	µg/L	10.0		92.6	70-130	3.08		25		
4-Chlorotoluene	9.37	1.0	µg/L	10.0		93.7	70-130	1.17		25		
1,2-Dibromo-3-chloropropane (DBCP)	8.92	5.0	µg/L	10.0		89.2	70-130	**34.3**	*	25	R-05	
1,2-Dibromoethane (EDB)	9.82	0.50	µg/L	10.0		98.2	70-130	8.71		25		
Dibromomethane	9.72	1.0	µg/L	10.0		97.2	70-130	9.03		25		
1,2-Dichlorobenzene	9.24	1.0	µg/L	10.0		92.4	70-130	4.76		25		
1,3-Dichlorobenzene	9.40	1.0	µg/L	10.0		94.0	70-130	4.13		25		
1,4-Dichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130	2.92		25		
trans-1,4-Dichloro-2-butene	7.74	2.0	µg/L	10.0		77.4	70-130	24.3		25	V-05	
Dichlorodifluoromethane (Freon 12)	4.26	2.0	µg/L	10.0		42.6	40-160	4.81		25		†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	5.91		25		
1,2-Dichloroethane	9.24	1.0	µg/L	10.0		92.4	70-130	4.99		25		
1,1-Dichloroethylene	9.47	1.0	µg/L	10.0		94.7	70-130	3.44		25		
cis-1,2-Dichloroethylene	9.44	1.0	µg/L	10.0		94.4	70-130	5.11		25		
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	4.07		25		
1,2-Dichloropropane	9.03	1.0	µg/L	10.0		90.3	70-130	2.69		25		
1,3-Dichloropropane	9.67	0.50	µg/L	10.0		96.7	70-130	8.86		25		
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130	6.70		25		†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130	2.77		25		
cis-1,3-Dichloropropene	8.81	0.50	µg/L	10.0		88.1	70-130	6.08		25		
trans-1,3-Dichloropropene	9.21	0.50	µg/L	10.0		92.1	70-130	10.9		25		
Diethyl Ether	10.3	2.0	µg/L	10.0		103	70-130	9.74		25		
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130	8.13		25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B063413 - SW-846 5030B										
LCS Dup (B063413-BSD1)				Prepared & Analyzed: 11/26/12						
1,4-Dioxane	120	50	µg/L	100		120	40-130	39.7	50	V-16 † ‡
Ethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130	2.39	25	
Hexachlorobutadiene	9.27	0.50	µg/L	10.0		92.7	70-130	3.07	25	
2-Hexanone (MBK)	93.4	10	µg/L	100		93.4	70-160	**29.4** *	25	R-05 †
Isopropylbenzene (Cumene)	9.64	1.0	µg/L	10.0		96.4	70-130	2.86	25	
p-Isopropyltoluene (p-Cymene)	9.82	1.0	µg/L	10.0		98.2	70-130	1.82	25	
Methyl tert-Butyl Ether (MTBE)	11.9	1.0	µg/L	10.0		119	70-130	19.0	25	
Methylene Chloride	10.5	5.0	µg/L	10.0		105	70-130	7.58	25	
4-Methyl-2-pentanone (MIBK)	92.4	10	µg/L	100		92.4	70-160	**28.6** *	25	R-05 †
Naphthalene	9.64	2.0	µg/L	10.0		96.4	40-130	**31.2** *	25	R-05 †
n-Propylbenzene	9.68	1.0	µg/L	10.0		96.8	70-130	3.45	25	
Styrene	9.38	1.0	µg/L	10.0		93.8	70-130	2.59	25	
1,1,1,2-Tetrachloroethane	8.48	1.0	µg/L	10.0		84.8	70-130	0.00	25	
1,1,2,2-Tetrachloroethane	9.79	0.50	µg/L	10.0		97.9	70-130	19.1	25	
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130	2.43	25	
Tetrahydrofuran	10.4	10	µg/L	10.0		104	70-130	6.02	25	V-16
Toluene	9.92	1.0	µg/L	10.0		99.2	70-130	0.607	25	
1,2,3-Trichlorobenzene	9.92	5.0	µg/L	10.0		99.2	70-130	**30.6** *	25	R-05
1,2,4-Trichlorobenzene	9.74	1.0	µg/L	10.0		97.4	70-130	16.2	25	
1,3,5-Trichlorobenzene	9.21	1.0	µg/L	10.0		92.1	70-130	7.32	25	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	6.09	25	
1,1,2-Trichloroethane	9.50	1.0	µg/L	10.0		95.0	70-130	9.14	25	
Trichloroethylene	9.47	1.0	µg/L	10.0		94.7	70-130	0.317	25	
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130	3.47	25	
1,2,3-Trichloropropane	9.72	2.0	µg/L	10.0		97.2	70-130	16.8	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3	1.0	µg/L	10.0		113	70-130	4.26	25	
1,2,4-Trimethylbenzene	9.15	1.0	µg/L	10.0		91.5	70-130	1.73	25	
1,3,5-Trimethylbenzene	9.42	1.0	µg/L	10.0		94.2	70-130	2.20	25	
Vinyl Chloride	7.67	2.0	µg/L	10.0		76.7	40-160	3.21	25	†
m+p Xylene	19.6	2.0	µg/L	20.0		98.1	70-130	1.67	25	
o-Xylene	9.52	1.0	µg/L	10.0		95.2	70-130	3.00	25	
Surrogate: 1,2-Dichloroethane-d4	*26.5*		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6	70-130			
Matrix Spike (B063413-MS1)		**Source: 12K0749-04**		Prepared & Analyzed: 11/26/12						
Acetone	130	50	µg/L	100	2.72	127	70-130			V-06
Acrylonitrile	11.1	5.0	µg/L	10.0	ND	111	70-130			R-05
tert-Amyl Methyl Ether (TAME)	10.5	0.50	µg/L	10.0	0.130	103	70-130			
Benzene	10.6	1.0	µg/L	10.0	ND	106	70-130			
Bromobenzene	9.61	1.0	µg/L	10.0	ND	96.1	70-130			
Bromochloromethane	9.63	1.0	µg/L	10.0	ND	96.3	70-130			
Bromodichloromethane	9.05	0.50	µg/L	10.0	ND	90.5	70-130			
Bromoform	7.34	1.0	µg/L	10.0	ND	73.4	70-130			V-05
Bromomethane	5.89	2.0	µg/L	10.0	ND	**58.9** *	70-130			MS-22, R-05, V-20
2-Butanone (MEK)	114	20	µg/L	100	ND	114	70-130			R-05
tert-Butyl Alcohol (TBA)	86.8	20	µg/L	100	9.01	77.8	70-130			R-05, V-16
n-Butylbenzene	10.1	1.0	µg/L	10.0	ND	101	70-130			
sec-Butylbenzene	10.3	1.0	µg/L	10.0	ND	103	70-130			
tert-Butylbenzene	9.95	1.0	µg/L	10.0	ND	99.5	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.2	0.50	µg/L	10.0	ND	102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B063413 - SW-846 5030B											
Matrix Spike (B063413-MS1)	**Source: 12K0749-04**			Prepared & Analyzed: 11/26/12							
Carbon Disulfide	9.80	4.0	µg/L	10.0	0.100	97.0		70-130			
Carbon Tetrachloride	10.0	5.0	µg/L	10.0	ND	100		70-130			
Chlorobenzene	9.97	1.0	µg/L	10.0	ND	99.7		70-130			
Chlorodibromomethane	8.49	0.50	µg/L	10.0	ND	84.9		70-130			
Chloroethane	11.3	2.0	µg/L	10.0	ND	113		70-130			
Chloroform	11.2	2.0	µg/L	10.0	ND	112		70-130			
Chloromethane	4.10	2.0	µg/L	10.0	ND	**41.0**	*	70-130			MS-07A
2-Chlorotoluene	9.81	1.0	µg/L	10.0	ND	98.1		70-130			
4-Chlorotoluene	9.50	1.0	µg/L	10.0	ND	95.0		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.22	5.0	µg/L	10.0	ND	82.2		70-130			R-05
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0	ND	102		70-130			
Dibromomethane	10.1	1.0	µg/L	10.0	ND	101		70-130			
1,2-Dichlorobenzene	9.28	1.0	µg/L	10.0	ND	92.8		70-130			
1,3-Dichlorobenzene	9.57	1.0	µg/L	10.0	ND	95.7		70-130			
1,4-Dichlorobenzene	9.96	1.0	µg/L	10.0	ND	99.6		70-130			
trans-1,4-Dichloro-2-butene	6.62	2.0	µg/L	10.0	ND	**66.2**	*	70-130			MS-09, V-05
Dichlorodifluoromethane (Freon 12)	4.26	2.0	µg/L	10.0	ND	**42.6**	*	70-130			MS-07A
1,1-Dichloroethane	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,2-Dichloroethane	9.63	1.0	µg/L	10.0	ND	96.3		70-130			
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0	ND	100		70-130			
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0	0.450	108		70-130			
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0	ND	102		70-130			
1,2-Dichloropropane	8.91	1.0	µg/L	10.0	ND	89.1		70-130			
1,3-Dichloropropane	10.3	0.50	µg/L	10.0	ND	103		70-130			
2,2-Dichloropropane	9.81	1.0	µg/L	10.0	ND	98.1		70-130			
1,1-Dichloropropene	11.2	2.0	µg/L	10.0	ND	112		70-130			
cis-1,3-Dichloropropene	8.60	0.50	µg/L	10.0	ND	86.0		70-130			
trans-1,3-Dichloropropene	8.71	0.50	µg/L	10.0	ND	87.1		70-130			
Diethyl Ether	11.1	2.0	µg/L	10.0	ND	111		70-130			
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0	ND	101		70-130			
1,4-Dioxane	58.4	50	µg/L	100	ND	**58.4**	*	70-130			MS-07A, V-16
Ethylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130			
Hexachlorobutadiene	9.06	0.50	µg/L	10.0	ND	90.6		70-130			
2-Hexanone (MBK)	92.4	10	µg/L	100	ND	92.4		70-130			R-05
Isopropylbenzene (Cumene)	9.92	1.0	µg/L	10.0	ND	99.2		70-130			
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0	ND	102		70-130			
Methyl tert-Butyl Ether (MTBE)	15.1	1.0	µg/L	10.0	2.94	121		70-130			
Methylene Chloride	9.79	5.0	µg/L	10.0	ND	97.9		70-130			
4-Methyl-2-pentanone (MIBK)	94.6	10	µg/L	100	ND	94.6		70-130			R-05
Naphthalene	9.72	2.0	µg/L	10.0	ND	97.2		70-130			R-05
n-Propylbenzene	10.0	1.0	µg/L	10.0	ND	100		70-130			
Styrene	9.40	1.0	µg/L	10.0	ND	94.0		70-130			
1,1,1,2-Tetrachloroethane	8.58	1.0	µg/L	10.0	ND	85.8		70-130			
1,1,2,2-Tetrachloroethane	9.95	0.50	µg/L	10.0	ND	99.5		70-130			
Tetrachloroethylene	13.5	1.0	µg/L	10.0	2.54	109		70-130			
Tetrahydrofuran	9.98	10	µg/L	10.0	ND	99.8		70-130			V-16
Toluene	10.5	1.0	µg/L	10.0	ND	105		70-130			
1,2,3-Trichlorobenzene	9.66	5.0	µg/L	10.0	ND	96.6		70-130			R-05
1,2,4-Trichlorobenzene	9.59	1.0	µg/L	10.0	ND	95.9		70-130			
1,3,5-Trichlorobenzene	9.25	1.0	µg/L	10.0	ND	92.5		70-130			
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,1,2-Trichloroethane	9.61	1.0	µg/L	10.0	ND	96.1		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B063413 - SW-846 5030B											
Matrix Spike (B063413-MS1)	**Source: 12K0749-04**			Prepared & Analyzed: 11/26/12							
Trichloroethylene	10.6	1.0	µg/L	10.0	0.520	100		70-130			
Trichlorofluoromethane (Freon 11)	11.8	2.0	µg/L	10.0	ND	118		70-130			
1,2,3-Trichloropropane	9.83	2.0	µg/L	10.0	ND	98.3		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.0	ND	116		70-130			
1,2,4-Trimethylbenzene	9.58	1.0	µg/L	10.0	ND	95.8		70-130			
1,3,5-Trimethylbenzene	9.80	1.0	µg/L	10.0	ND	98.0		70-130			
Vinyl Chloride	8.81	2.0	µg/L	10.0	ND	88.1		70-130			
m+p Xylene	20.1	2.0	µg/L	20.0	ND	101		70-130			
o-Xylene	9.84	1.0	µg/L	10.0	ND	98.4		70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0		70-130			
Matrix Spike Dup (B063413-MSD1)	**Source: 12K0749-04**			Prepared & Analyzed: 11/26/12							
Acetone	118	50	µg/L	100	2.72	115		70-130	9.82	30	V-06
Acrylonitrile	10.6	5.0	µg/L	10.0	ND	106		70-130	3.96	30	R-05
tert-Amyl Methyl Ether (TAME)	10.3	0.50	µg/L	10.0	0.130	102		70-130	1.64	30	
Benzene	10.7	1.0	µg/L	10.0	ND	107		70-130	0.657	30	
Bromobenzene	9.69	1.0	µg/L	10.0	ND	96.9		70-130	0.829	30	
Bromochloromethane	9.90	1.0	µg/L	10.0	ND	99.0		70-130	2.76	30	
Bromodichloromethane	9.02	0.50	µg/L	10.0	ND	90.2		70-130	0.332	30	
Bromoform	7.48	1.0	µg/L	10.0	ND	74.8		70-130	1.89	30	V-05
Bromomethane	7.35	2.0	µg/L	10.0	ND	73.5		70-130	22.1	30	R-05, V-20
2-Butanone (MEK)	105	20	µg/L	100	ND	105		70-130	8.58	30	R-05
tert-Butyl Alcohol (TBA)	74.1	20	µg/L	100	9.01	**65.1**	*	70-130	15.8	30	MS-22, R-05, V-16
n-Butylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	1.08	30	
sec-Butylbenzene	10.4	1.0	µg/L	10.0	ND	104		70-130	0.483	30	
tert-Butylbenzene	9.84	1.0	µg/L	10.0	ND	98.4		70-130	1.11	30	
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0	ND	101		70-130	0.493	30	
Carbon Disulfide	9.75	4.0	µg/L	10.0	0.100	96.5		70-130	0.512	30	
Carbon Tetrachloride	10.1	5.0	µg/L	10.0	ND	101		70-130	1.19	30	
Chlorobenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	2.28	30	
Chlorodibromomethane	8.52	0.50	µg/L	10.0	ND	85.2		70-130	0.353	30	
Chloroethane	11.0	2.0	µg/L	10.0	ND	110		70-130	2.96	30	
Chloroform	11.5	2.0	µg/L	10.0	ND	115		70-130	2.82	30	
Chloromethane	4.44	2.0	µg/L	10.0	ND	**44.4**	*	70-130	7.96	30	MS-07A
2-Chlorotoluene	10.1	1.0	µg/L	10.0	ND	101		70-130	2.71	30	
4-Chlorotoluene	10.0	1.0	µg/L	10.0	ND	100		70-130	5.33	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.85	5.0	µg/L	10.0	ND	78.5		70-130	4.60	30	R-05
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0	ND	102		70-130	0.391	30	
Dibromomethane	10.0	1.0	µg/L	10.0	ND	100		70-130	0.596	30	
1,2-Dichlorobenzene	9.53	1.0	µg/L	10.0	ND	95.3		70-130	2.66	30	
1,3-Dichlorobenzene	9.73	1.0	µg/L	10.0	ND	97.3		70-130	1.66	30	
1,4-Dichlorobenzene	9.99	1.0	µg/L	10.0	ND	99.9		70-130	0.301	30	
trans-1,4-Dichloro-2-butene	6.47	2.0	µg/L	10.0	ND	**64.7**	*	70-130	2.29	30	MS-09, V-05
Dichlorodifluoromethane (Freon 12)	4.07	2.0	µg/L	10.0	ND	**40.7**	*	70-130	4.56	30	MS-07A
1,1-Dichloroethane	11.0	1.0	µg/L	10.0	ND	110		70-130	4.44	30	
1,2-Dichloroethane	9.73	1.0	µg/L	10.0	ND	97.3		70-130	1.03	30	
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0	ND	101		70-130	1.29	30	
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0	0.450	104		70-130	3.81	30	
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0	ND	105		70-130	2.69	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B063413 - SW-846 5030B											
Matrix Spike Dup (B063413-MSD1)	**Source: 12K0749-04**			Prepared & Analyzed: 11/26/12							
1,2-Dichloropropane	9.26	1.0	µg/L	10.0	ND	92.6		70-130	3.85	30	
1,3-Dichloropropane	9.89	0.50	µg/L	10.0	ND	98.9		70-130	4.26	30	
2,2-Dichloropropane	9.55	1.0	µg/L	10.0	ND	95.5		70-130	2.69	30	
1,1-Dichloropropene	11.4	2.0	µg/L	10.0	ND	114		70-130	1.24	30	
cis-1,3-Dichloropropene	8.62	0.50	µg/L	10.0	ND	86.2		70-130	0.232	30	
trans-1,3-Dichloropropene	8.75	0.50	µg/L	10.0	ND	87.5		70-130	0.458	30	
Diethyl Ether	10.8	2.0	µg/L	10.0	ND	108		70-130	2.47	30	
Diisopropyl Ether (DIPE)	10.4	0.50	µg/L	10.0	ND	104		70-130	2.74	30	
1,4-Dioxane	53.8	50	µg/L	100	ND	**53.8**	*	70-130	8.26	30	MS-07A, V-16
Ethylbenzene	10.5	1.0	µg/L	10.0	ND	105		70-130	2.99	30	
Hexachlorobutadiene	9.51	0.50	µg/L	10.0	ND	95.1		70-130	4.85	30	
2-Hexanone (MBK)	84.0	10	µg/L	100	ND	84.0		70-130	9.60	30	R-05
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0	ND	104		70-130	5.11	30	
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0	ND	102		70-130	0.294	30	
Methyl tert-Butyl Ether (MTBE)	14.5	1.0	µg/L	10.0	2.94	116		70-130	3.51	30	
Methylene Chloride	9.92	5.0	µg/L	10.0	ND	99.2		70-130	1.32	30	
4-Methyl-2-pentanone (MIBK)	87.4	10	µg/L	100	ND	87.4		70-130	7.87	30	R-05
Naphthalene	8.96	2.0	µg/L	10.0	ND	89.6		70-130	8.14	30	R-05
n-Propylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	1.78	30	
Styrene	9.66	1.0	µg/L	10.0	ND	96.6		70-130	2.73	30	
1,1,1,2-Tetrachloroethane	8.79	1.0	µg/L	10.0	ND	87.9		70-130	2.42	30	
1,1,2,2-Tetrachloroethane	9.64	0.50	µg/L	10.0	ND	96.4		70-130	3.16	30	
Tetrachloroethylene	13.4	1.0	µg/L	10.0	2.54	109		70-130	0.372	30	
Tetrahydrofuran	11.0	10	µg/L	10.0	ND	110		70-130	10.0	30	V-16
Toluene	10.5	1.0	µg/L	10.0	ND	105		70-130	0.0952	30	
1,2,3-Trichlorobenzene	9.18	5.0	µg/L	10.0	ND	91.8		70-130	5.10	30	R-05
1,2,4-Trichlorobenzene	9.40	1.0	µg/L	10.0	ND	94.0		70-130	2.00	30	
1,3,5-Trichlorobenzene	9.25	1.0	µg/L	10.0	ND	92.5		70-130	0.00	30	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0	ND	106		70-130	0.00	30	
1,1,2-Trichloroethane	9.53	1.0	µg/L	10.0	ND	95.3		70-130	0.836	30	
Trichloroethylene	10.6	1.0	µg/L	10.0	0.520	100		70-130	0.189	30	
Trichlorofluoromethane (Freon 11)	11.7	2.0	µg/L	10.0	ND	117		70-130	0.933	30	
1,2,3-Trichloropropane	9.45	2.0	µg/L	10.0	ND	94.5		70-130	3.94	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7	1.0	µg/L	10.0	ND	117		70-130	0.774	30	
1,2,4-Trimethylbenzene	9.85	1.0	µg/L	10.0	ND	98.5		70-130	2.78	30	
1,3,5-Trimethylbenzene	9.98	1.0	µg/L	10.0	ND	99.8		70-130	1.82	30	
Vinyl Chloride	8.94	2.0	µg/L	10.0	ND	89.4		70-130	1.46	30	
m+p Xylene	20.7	2.0	µg/L	20.0	ND	104		70-130	2.94	20	
o-Xylene	10.2	1.0	µg/L	10.0	ND	102		70-130	4.08	30	
Surrogate: 1,2-Dichloroethane-d4	*26.4*		µg/L	25.0		106		70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.5		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B063487 - SW-846 5030B										
Blank (B063487-BLK1)				Prepared & Analyzed: 11/28/12						
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/L	25.0		97.7	70-130			
Surrogate: Toluene-d8	*26.7*		µg/L	25.0		107	70-130			
Surrogate: 4-Bromofluorobenzene	*22.9*		µg/L	25.0		91.8	70-130			
LCS (B063487-BS1)				Prepared & Analyzed: 11/28/12						
cis-1,2-Dichloroethylene	12.4	1.0	µg/L	10.0		124	70-130			
Tetrachloroethylene	13.0	1.0	µg/L	10.0		130	70-130			
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160			†
Surrogate: 1,2-Dichloroethane-d4	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: Toluene-d8	*26.6*		µg/L	25.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100	70-130			
LCS Dup (B063487-BSD1)				Prepared & Analyzed: 11/28/12						
cis-1,2-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130	7.43	25	
Tetrachloroethylene	12.1	1.0	µg/L	10.0		121	70-130	7.08	25	
Vinyl Chloride	9.68	2.0	µg/L	10.0		96.8	40-160	9.26	25	†
Surrogate: 1,2-Dichloroethane-d4	*24.5*		µg/L	25.0		98.2	70-130			
Surrogate: Toluene-d8	*26.4*		µg/L	25.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		101	70-130			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B063450 - SW-846 3005A										
Blank (B063450-BLK1)				Prepared: 11/26/12 Analyzed: 11/27/12						
Barium	ND	0.050	mg/L							
Cadmium	ND	0.0040	mg/L							
Chromium	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Selenium	ND	0.050	mg/L							
LCS (B063450-BS1)				Prepared: 11/26/12 Analyzed: 11/27/12						
Barium	0.530	0.050	mg/L	0.500		106	80-120			
Cadmium	0.519	0.0040	mg/L	0.500		104	80-120			
Chromium	0.529	0.010	mg/L	0.500		106	80-120			
Lead	0.504	0.010	mg/L	0.500		101	80-120			
Selenium	0.511	0.050	mg/L	0.500		102	80-120			
LCS Dup (B063450-BSD1)				Prepared: 11/26/12 Analyzed: 11/27/12						
Barium	0.502	0.050	mg/L	0.500		100	80-120	5.29	20	
Cadmium	0.489	0.0040	mg/L	0.500		97.8	80-120	5.94	20	
Chromium	0.499	0.010	mg/L	0.500		99.9	80-120	5.66	20	
Lead	0.487	0.010	mg/L	0.500		97.4	80-120	3.45	20	
Selenium	0.496	0.050	mg/L	0.500		99.2	80-120	3.06	20	
Duplicate (B063450-DUP1)	**Source: 12K0749-04**			Prepared: 11/26/12 Analyzed: 11/27/12						
Barium	ND	0.050	mg/L		ND			NC	20	
Cadmium	ND	0.0040	mg/L		ND			NC	20	
Chromium	0.0101	0.010	mg/L		0.0103			1.48	20	
Lead	ND	0.010	mg/L		ND			NC	20	
Selenium	ND	0.050	mg/L		ND			NC	20	
Matrix Spike (B063450-MS1)	**Source: 12K0749-04**			Prepared: 11/26/12 Analyzed: 11/27/12						
Barium	0.536	0.050	mg/L	0.500	0.0377	99.6	75-125			
Cadmium	0.509	0.0040	mg/L	0.500	ND	102	75-125			
Chromium	0.521	0.010	mg/L	0.500	0.0103	102	75-125			
Lead	0.479	0.010	mg/L	0.500	ND	95.9	75-125			
Selenium	0.518	0.050	mg/L	0.500	ND	104	75-125			
Matrix Spike Dup (B063450-MSD1)	**Source: 12K0749-04**			Prepared: 11/26/12 Analyzed: 11/27/12						
Barium	0.549	0.050	mg/L	0.500	0.0377	102	75-125	2.49	20	
Cadmium	0.522	0.0040	mg/L	0.500	ND	104	75-125	2.48	20	
Chromium	0.533	0.010	mg/L	0.500	0.0103	105	75-125	2.31	20	
Lead	0.490	0.010	mg/L	0.500	ND	97.9	75-125	2.13	20	
Selenium	0.527	0.050	mg/L	0.500	ND	105	75-125	1.55	20	
Batch B063476 - SW-846 7470A Prep										
Blank (B063476-BLK1)				Prepared & Analyzed: 11/27/12						
Mercury	ND	0.00010	mg/L							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B063476 - SW-846 7470A Prep										
LCS (B063476-BS1)				Prepared & Analyzed: 11/27/12						
Mercury	0.00210	0.00010	mg/L	0.00200		105	80-120			
LCS Dup (B063476-BSD1)				Prepared & Analyzed: 11/27/12						
Mercury	0.00208	0.00010	mg/L	0.00200		104	80-120	1.01	20	
Duplicate (B063476-DUP1)		**Source: 12K0749-04**		Prepared & Analyzed: 11/27/12						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B063476-MS1)		**Source: 12K0749-04**		Prepared & Analyzed: 11/27/12						
Mercury	0.00191	0.00010	mg/L	0.00200	ND	95.4	75-125			
Matrix Spike Dup (B063476-MSD1)		**Source: 12K0749-04**		Prepared & Analyzed: 11/27/12						
Mercury	0.00192	0.00010	mg/L	0.00200	ND	96.1	75-125	0.745	20	
Batch B063580 - SW-846 3005A										
Blank (B063580-BLK1)				Prepared & Analyzed: 11/28/12						
Arsenic	ND	0.010	mg/L							
Silver	ND	0.0050	mg/L							
LCS (B063580-BS1)				Prepared & Analyzed: 11/28/12						
Arsenic	0.475	0.010	mg/L	0.500		94.9	80-120			
Silver	0.470	0.0050	mg/L	0.500		94.0	80-120			
LCS Dup (B063580-BSD1)				Prepared & Analyzed: 11/28/12						
Arsenic	0.503	0.010	mg/L	0.500		101	80-120	5.78	20	
Silver	0.499	0.0050	mg/L	0.500		99.7	80-120	5.91	20	
Duplicate (B063580-DUP1)		**Source: 12K0749-04RE1**		Prepared & Analyzed: 11/28/12						
Arsenic	ND	0.010	mg/L		ND			NC	20	
Silver	ND	0.0050	mg/L		ND			NC	20	
Matrix Spike (B063580-MS1)		**Source: 12K0749-04RE1**		Prepared & Analyzed: 11/28/12						
Arsenic	0.527	0.010	mg/L	0.500	ND	105	75-125			
Silver	0.499	0.0050	mg/L	0.500	ND	99.8	75-125			
Matrix Spike Dup (B063580-MSD1)		**Source: 12K0749-04RE1**		Prepared & Analyzed: 11/28/12						
Arsenic	0.519	0.010	mg/L	0.500	ND	104	75-125	1.53	20	
Silver	0.488	0.0050	mg/L	0.500	ND	97.6	75-125	2.19	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B063442 - SM18-20 4500S-E										
Blank (B063442-BLK1)				Prepared & Analyzed: 11/26/12						
Sulfide	ND	2.0	mg/L							
Batch B063608 - SM18-20 4500 CL B										
Blank (B063608-BLK1)				Prepared & Analyzed: 11/28/12						
Chloride	ND	1.0	mg/L							
LCS (B063608-BS1)				Prepared & Analyzed: 11/28/12						
Chloride	17		mg/L	17.0		99.2	85.6-118			
LCS Dup (B063608-BSD1)				Prepared & Analyzed: 11/28/12						
Chloride	17		mg/L	17.0		102	85.6-118	2.86	4.02	
Matrix Spike (B063608-MS1)	**Source: 12K0749-04**			Prepared & Analyzed: 11/28/12						
Chloride	480	10	mg/L	100	380	101	79.5-118			
Matrix Spike Dup (B063608-MSD1)	**Source: 12K0749-04**			Prepared & Analyzed: 11/28/12						
Chloride	490	10	mg/L	100	380	111	79.5-118	1.99	20	
Batch B063668 - ASTM D516-90, 02										
Blank (B063668-BLK1)				Prepared & Analyzed: 11/29/12						
Sulfate	ND	2.0	mg/L							
LCS (B063668-BS1)				Prepared & Analyzed: 11/29/12						
Sulfate	20	2.0	mg/L	20.0		99.2	85.6-114			
LCS Dup (B063668-BSD1)				Prepared & Analyzed: 11/29/12						
Sulfate	22	2.0	mg/L	20.0		108	85.6-114	8.72	14.2	
Matrix Spike (B063668-MS2)	**Source: 12K0749-04**			Prepared & Analyzed: 11/29/12						
Sulfate	270	2.0	mg/L	200	120	78.0	54.3-129			
Matrix Spike Dup (B063668-MSD2)	**Source: 12K0749-04**			Prepared & Analyzed: 11/29/12						
Sulfate	260	2.0	mg/L	200	120	71.8	54.3-129	4.65	20	
Batch B063697 - SM 5310B										
Blank (B063697-BLK1)				Prepared & Analyzed: 11/29/12						
Total Organic Carbon	ND	1.0	mg/L							

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B063697 - SM 5310B										
LCS (B063697-BS1)				Prepared & Analyzed: 11/29/12						
Total Organic Carbon	9.80	1.0	mg/L	10.0		98.0	89.8-109			
LCS Dup (B063697-BSD1)				Prepared & Analyzed: 11/29/12						
Total Organic Carbon	10.1	1.0	mg/L	10.0		101	89.8-109	3.04	9.31	
Matrix Spike (B063697-MS1)		**Source: 12K0749-04**		Prepared & Analyzed: 11/29/12						
Total Organic Carbon	9.50	1.0	mg/L	5.00	4.58	98.3	57.9-145			
Matrix Spike Dup (B063697-MSD1)		**Source: 12K0749-04**		Prepared & Analyzed: 11/29/12						
Total Organic Carbon	9.83	1.0	mg/L	5.00	4.58	105	57.9-145	3.43	13.9	
Batch B063713 - SM 4500 NO3-F										
Blank (B063713-BLK1)				Prepared & Analyzed: 11/29/12						
Nitrate as N	ND	0.050	mg/L							
LCS (B063713-BS1)				Prepared & Analyzed: 11/29/12						
Nitrate as N	4.8		mg/L	4.70		103	92.4-111			
LCS Dup (B063713-BSD1)				Prepared & Analyzed: 11/29/12						
Nitrate as N	4.7		mg/L	4.70		101	92.4-111	1.88	7.23	
Matrix Spike (B063713-MS1)		**Source: 12K0749-04**		Prepared & Analyzed: 11/29/12						
Nitrate as N	4.1	0.050	mg/L	3.98	0.31	94.9	72.7-132			
Matrix Spike Dup (B063713-MSD1)		**Source: 12K0749-04**		Prepared & Analyzed: 11/29/12						
Nitrate as N	3.9	0.050	mg/L	3.98	0.31	89.1	72.7-132	5.79	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
ASTM D516-90, 02 in Water	
Sulfate	NY,NH,MA,CT,RI,VA
SM 18-20 4500 NO3 F in Water	
Nitrate as N	CT,MA,NH,NY,RI,ME,NC,VA
SM 5310B in Water	
Total Organic Carbon	CT,MA,NH,NY,RI,NC,ME,VA
SM18-20 4500 CL B in Water	
Chloride	NH,CT,MA,NY,RI,NC,ME,VA
SM18-20 4500S-E in Water	
Sulfide	CT,NH,NY,RI,NC,ME,VA
SW-846 6010C in Water	
Arsenic	CT,NH,NY,RI,ME,NC,VA
Barium	CT,NH,NY,RI,ME,NC,VA
Cadmium	CT,NH,NY,RI,ME,NC,VA
Chromium	CT,NH,NY,RI,ME,NC,VA
Lead	CT,NH,NY,RI,NC,ME,VA
Selenium	CT,NH,NY,RI,ME,NC,VA
Silver	CT,NH,NY,RI,ME,NC,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,RI,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NY,ME,NH,VA
Acrylonitrile	CT,NY,ME,NH,RI,VA
tert-Amyl Methyl Ether (TAME)	NY,ME,NH,VA
Benzene	CT,NY,ME,NH,RI,VA
Bromochloromethane	NY,ME,NH,VA
Bromodichloromethane	CT,NY,ME,NH,RI,VA
Bromoform	CT,NY,ME,NH,RI,VA
Bromomethane	CT,NY,ME,NH,RI,VA
2-Butanone (MEK)	CT,NY,ME,NH,VA
tert-Butyl Alcohol (TBA)	NY,ME,NH,VA
n-Butylbenzene	NY,ME,VA
sec-Butylbenzene	NY,ME,VA
tert-Butylbenzene	NY,ME,VA
tert-Butyl Ethyl Ether (TBEE)	NY,ME,NH,VA
Carbon Disulfide	CT,NY,ME,NH,VA
Carbon Tetrachloride	CT,NY,ME,NH,RI,VA
Chlorobenzene	CT,NY,ME,NH,RI,VA
Chlorodibromomethane	CT,NY,ME,NH,RI,VA
Chloroethane	CT,NY,ME,NH,RI,VA
Chloroform	CT,NY,ME,NH,RI,VA
Chloromethane	CT,NY,ME,NH,RI,VA
2-Chlorotoluene	NY,ME,NH,VA
4-Chlorotoluene	NY,ME,NH,VA
Dibromomethane	NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,2-Dichlorobenzene	CT,NY,ME,NH,RI,VA
1,3-Dichlorobenzene	CT,NY,ME,NH,RI,VA
1,4-Dichlorobenzene	CT,NY,ME,NH,RI,VA
trans-1,4-Dichloro-2-butene	NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH,RI,VA
1,1-Dichloroethane	CT,NY,ME,NH,RI,VA
1,2-Dichloroethane	CT,NY,ME,NH,RI,VA
1,1-Dichloroethylene	CT,NY,ME,NH,RI,VA
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NY,ME,NH,RI,VA
1,2-Dichloropropane	CT,NY,ME,NH,RI,VA
1,3-Dichloropropane	NY,ME,VA
2,2-Dichloropropane	NY,ME,NH,VA
1,1-Dichloropropene	NY,ME,NH,VA
cis-1,3-Dichloropropene	CT,NY,ME,NH,RI,VA
trans-1,3-Dichloropropene	CT,NY,ME,NH,RI,VA
Diisopropyl Ether (DIPE)	NY,ME,NH,VA
Ethylbenzene	CT,NY,ME,NH,RI,VA
Hexachlorobutadiene	CT,NY,ME,NH,VA
2-Hexanone (MBK)	CT,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NY,ME,VA
p-Isopropyltoluene (p-Cymene)	CT,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	CT,NY,ME,NH,VA
Methylene Chloride	CT,NY,ME,NH,RI,VA
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA
Naphthalene	NY,ME,NH,VA
n-Propylbenzene	CT,NY,ME,NH,VA
Styrene	CT,NY,ME,NH,VA
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,RI,VA
Tetrachloroethylene	CT,NY,ME,NH,RI,VA
Toluene	CT,NY,ME,NH,RI,VA
1,2,3-Trichlorobenzene	NY,ME,NH,VA
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NY,ME,NH,RI,VA
1,1,2-Trichloroethane	CT,NY,ME,NH,RI,VA
Trichloroethylene	CT,NY,ME,NH,RI,VA
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,RI,VA
1,2,3-Trichloropropane	NY,ME,NH,VA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY,VA
1,2,4-Trimethylbenzene	NY,ME,VA
1,3,5-Trimethylbenzene	NY,ME,VA
Vinyl Chloride	CT,NY,ME,NH,RI,VA
m+p Xylene	CT,NY,ME,NH,RI,VA
o-Xylene	CT,NY,ME,NH,RI,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	460217	12/14/2012
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

CHAIN OF CUSTODY RECORD

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Email: info@contestlabs.com
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East longmeadow, MA 01028

12K0749

Rev 04.05.12

Company Name: EA Science and Technology
Address: 6712 Brooklawn Pkwy Ste 104
Syracuse, NY 13211
Attention: Robert Casey
Project Location: Freeport, NY
Sampled By: Megan Miller / Pat Rock

Telephone: 315-431-4610
Project #: 14B0709
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #:
Email:
Format: ○ PDF ⊘ EXCEL ○ GIS
○ OTHER EDD - Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	*** Container Code	VOC - 8260	TOC	Metals Mercury 6010/7470	Chloride + Sulfate	Nitrate	Sulfide
								3	H	V	A	P	P	P	P	
-01	130110-MW-06-1112	11/19/12	11/19/12 1430		x	GW					x	x	x	x	x	x
-02	130110-MW-04-1112	11/19/12	11/19/12 1526		x	GW					x	x	x	x	x	x
-03	130110-MW-10D-1112	11/19/12	11/19/12 1659		x	GW					x	x	x	x	x	x
-04	130110-MW-10M-1112	11/20/12	11/20/12 902		x	GW					x	x	x	x	x	x
-04	130110-MW-10M-MS/MSD 1112	11/20/12	11/20/12 902		x	GW					x2		x2			
-05	130110-MW-10S-1112	11/20/12	11/20/12 932		x	GW					x	x	x	x	x	x
-06	130110-MW-08D-1112	11/20/12	11/20/12 1031		x	GW					x	x	x	x	x	x
-07	130110-MW-08S-1112	11/20/12	11/20/12 1108		x	GW					x	x	x	x	x	x
-08	130110-MW-09D-1112	11/20/12	11/20/12 1207		x	GW					x	x	x	x	x	x
-09	130110-DUP-1112	11/20/12	11/20/12 —								x		x			

ANALYSIS REQUESTED

Dissolved Metal
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other Zn Acetate

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other _____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Megan Miller	Date/Time: 11/20/12 1320	
Received by: (signature)	Date/Time: 11/21/12 0957	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

12K0749

Rev 04.05.12

Company Name: EA Science and Tech
Address: 6712 Brooklawn Pkwy Ste 104 Syracuse, NY 13211
Attention: Same
Project Location:
Sampled By:

Telephone:
Project #
Client PO#

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ○ PDF ⊘ EXCEL ○ GIS
○ OTHER EDD
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	VOC-8260	TDL	Metals (Mercury 6010/7470)	Chloride + Sulfate	Nitrate	Sulfide
								3	H	V						
								1	H	A						
								1	N	P						
								1	I	P						
								1	S	P						
								1	X	P						
10	130110-MW-095-1112	11/20/12	11/20/12 1245		X	GW	S				X	X	X	X	X	X

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Megan Miller	Date/Time: 11/20/12 1320	
Received by: (signature) [illegible] 11.21.12	Date/Time: 0857	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ___
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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1ZF027480195314785

Updated: 11/21/2012 11:32 A.M. Eastern Time

Delivered

Delivered On:
Wednesday, 11/21/2012 at 9:51 A.M.

Left At:
Front Desk

Signed By:
AR

Proof of Delivery

Request Status Updates »

Shipping Information

To:
EAST LONGMEADOW, MA, US

Shipped By

UPS Next Day Air®

Additional Information

Multiple Packages:	2
Shipped/Billed On:	11/20/2012
Type:	Package
UPS carbon neutral:	Yes
Weight:	50.00 lbs

Shipment Progress

What's This?

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Sample Receipt Checklist

CLIENT NAME: EA Science **RECEIVED BY:** VA **DATE:** 11/30/11

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included
2) **Does the chain agree with the samples?** (Yes) No
If not, explain:
3) **Are all the samples in good condition?** (Yes) No
If not, explain:
4) **How were the samples received:**
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑
Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.9
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** (Yes) No
Who was notified Vicki Date 11/30/11 Time _____
7) **Location where samples are stored:** 10

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** (Yes) No N/A 2
9) **Do all samples have the proper Base pH:** (Yes) No N/A 11
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)	9	2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic	9	Hg/Hopcalite Tube	
250 mL plastic	30	Plastic Bag / Ziploc	
40 mL Vial - type listed below	36	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 36 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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May 30, 2013

Megan Miller
EA Engineering, Science & Tech. - NY
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211

Project Location: Freeport, Long Island, NY
Client Job Number:
Project Number: 1490709
Laboratory Work Order Number: 13E0755

Enclosed are results of analyses for samples received by the laboratory on May 22, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paula E. Blakeborough
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EA Engineering, Science & Tech. - NY
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211
ATTN: Megan Miller

REPORT DATE: 5/30/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 1490709

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13E0755

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Freeport, Long Island, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
130110-MW-06-0513	13E0755-01	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-09D-0513	13E0755-02	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-09S-0513	13E0755-03	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-10D-0513	13E0755-04	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-10S-0513	13E0755-05	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-10M-0513	13E0755-06	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-04-0513	13E0755-07	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
130110-MW-DUP01-0513	13E0755-08	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8260C	
Trip Blank-01	13E0755-09	Trip Blank Water		SW-846 8260C	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 6010C

Qualifications:

Continuing calibration blank did not meet method specified criteria. Data is not affected since all associated samples were "Not Detected" even though CCB value was above the reporting limit.

Analyte & Samples(s) Qualified:

Silver

13E0755-01[130110-MW-06-0513], 13E0755-02[130110-MW-09D-0513], 13E0755-03[130110-MW-09S-0513], 13E0755-04[130110-MW-10D-0513], 13E0755-05[130110-MW-10S-0513], 13E0755-06[130110-MW-10M-0513], 13E0755-07[130110-MW-04-0513], 13E0755-08[130110-MW-DUP01-0513], B073664-DUP1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Sodium

B073667-BS1, B073667-BSD1

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Sodium

B073664-MS2

SW-846 8260C

Qualifications:

Elevated reporting limits for all volatile compounds due to foaming sample matrix.

Analyte & Samples(s) Qualified:

13E0755-01[130110-MW-06-0513]

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, Acetone, Bromomethane, Naphthalene

B073637-BSD1, B073676-BS1

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon 12)

13E0755-04[130110-MW-10D-0513], B073637-MS1, B073637-MSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane

13E0755-02[130110-MW-09D-0513], 13E0755-03[130110-MW-09S-0513], B073676-BLK1, B073676-BS1, B073676-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

tert-Butyl Alcohol (TBA)

13E0755-06[130110-MW-10M-0513], B073637-BS1, B073637-BSD1, B073637-MS1, B073637-MSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, tert-Butyl Alcohol (TBA)

13E0755-01[130110-MW-06-0513], 13E0755-02[130110-MW-09D-0513], 13E0755-03[130110-MW-09S-0513], 13E0755-04[130110-MW-10D-0513], 13E0755-05[130110-MW-10S-0513], 13E0755-06[130110-MW-10M-0513], 13E0755-07[130110-MW-04-0513], 13E0755-08[130110-MW-DUP01-0513], 13E0755-09[Trip Blank-01], B073637-BLK1, B073637-BS1, B073637-BSD1, B073637-MS1, B073637-MSD1, B073676-BLK1, B073676-BS1, B073676-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 2-Hexanone (MBK), Naphthalene

B073637-BS1, B073637-BSD1, B073637-MS1, B073637-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-06-0513 | Sampled: 5/19/2013 10:20

Sample ID: 13E0755-01

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromomethane	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2	V-16	SW-846 8260C	5/23/13	5/24/13 0:04	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chloromethane	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-06-0513 | Sampled: 5/19/2013 10:20

Sample ID: 13E0755-01

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,4-Dioxane	ND	100	µg/L	2	V-16	SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Isopropylbenzene (Cumene)	2.8	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Methyl tert-Butyl Ether (MTBE)	3.0	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Trichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	94.3	70-130		5/24/13	0:04
Toluene-d8	97.7	70-130		5/24/13	0:04
4-Bromofluorobenzene	109	70-130		5/24/13	0:04

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-06-0513 | Sampled: 5/19/2013 10:20

Sample ID: 13E0755-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1.5	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/28/13 23:30	OP
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Barium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Calcium	86	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Copper	0.032	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Iron	20	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/28/13 23:30	OP
Magnesium	20	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Manganese	0.21	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/23/13	5/24/13 11:41	SAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Potassium	11	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Silver	ND	0.0050	mg/L	1	B-06	SW-846 6010C	5/23/13	5/25/13 1:44	OP
Sodium	250	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Vanadium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP
Zinc	0.042	0.020	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:44	OP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09D-0513 | Sampled: 5/19/2013 11:15

Sample ID: 13E0755-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromomethane	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2	V-16	SW-846 8260C	5/24/13	5/24/13 13:48	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chloromethane	ND	4.0	µg/L	2	V-05	SW-846 8260C	5/24/13	5/24/13 13:48	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
cis-1,2-Dichloroethylene	12	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09D-0513 | Sampled: 5/19/2013 11:15

Sample ID: 13E0755-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,4-Dioxane	ND	100	µg/L	2	V-16	SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Tetrachloroethylene	160	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Trichloroethylene	27	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	93.3	70-130		5/24/13 13:48
Toluene-d8	99.8	70-130		5/24/13 13:48
4-Bromofluorobenzene	106	70-130		5/24/13 13:48

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09D-0513 | Sampled: 5/19/2013 11:15

Sample ID: 13E0755-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.64	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/28/13 23:35	OP
Arsenic	0.031	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Barium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Calcium	28	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Copper	0.19	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Iron	26	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/28/13 23:35	OP
Magnesium	8.5	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Manganese	0.98	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/23/13	5/24/13 11:42	SAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Potassium	4.7	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Silver	ND	0.0050	mg/L	1	B-06	SW-846 6010C	5/23/13	5/25/13 1:49	OP
Sodium	110	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Vanadium	0.015	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP
Zinc	0.22	0.020	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:49	OP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09S-0513 | Sampled: 5/20/2013 12:52

Sample ID: 13E0755-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	5/24/13	5/24/13 13:22	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260C	5/24/13	5/24/13 13:22	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09S-0513 | Sampled: 5/20/2013 12:52

Sample ID: 13E0755-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.7	70-130		5/24/13 13:22
Toluene-d8	101	70-130		5/24/13 13:22
4-Bromofluorobenzene	107	70-130		5/24/13 13:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09S-0513 | Sampled: 5/20/2013 12:52

Sample ID: 13E0755-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.86	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/28/13 23:40	OP
Arsenic	0.013	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Barium	0.14	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Calcium	33	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Copper	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Iron	6.8	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/28/13 23:40	OP
Magnesium	8.3	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Manganese	0.31	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/23/13	5/24/13 11:48	SAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Potassium	9.4	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Silver	ND	0.0050	mg/L	1	B-06	SW-846 6010C	5/23/13	5/25/13 1:54	OP
Sodium	250	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Vanadium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP
Zinc	0.059	0.020	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:54	OP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10D-0513 | Sampled: 5/20/2013 14:42

Sample ID: 13E0755-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromomethane	ND	2.0	µg/L	1	MS-07A	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chloromethane	ND	2.0	µg/L	1	MS-07A	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	MS-07A	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10D-0513 | Sampled: 5/20/2013 14:42

Sample ID: 13E0755-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	93.6	70-130		5/23/13 20:33
Toluene-d8	100	70-130		5/23/13 20:33
4-Bromofluorobenzene	104	70-130		5/23/13 20:33

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10D-0513 | Sampled: 5/20/2013 14:42

Sample ID: 13E0755-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.13	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/28/13 22:38	OP
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Barium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Calcium	9.8	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Copper	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Iron	6.7	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/28/13 22:38	OP
Magnesium	4.6	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Manganese	0.47	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/23/13	5/24/13 11:21	SAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Potassium	2.5	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Silver	ND	0.0050	mg/L	1	B-06	SW-846 6010C	5/23/13	5/25/13 0:48	OP
Sodium	44	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Vanadium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP
Zinc	ND	0.020	mg/L	1		SW-846 6010C	5/23/13	5/25/13 0:48	OP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10S-0513 | Sampled: 5/19/2013 15:18

Sample ID: 13E0755-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 20:59	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10S-0513 | Sampled: 5/19/2013 15:18

Sample ID: 13E0755-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	94.3	70-130		5/23/13 20:59
Toluene-d8	96.1	70-130		5/23/13 20:59
4-Bromofluorobenzene	103	70-130		5/23/13 20:59

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10S-0513 | Sampled: 5/19/2013 15:18

Sample ID: 13E0755-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.078	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/28/13 23:46	OP
Arsenic	0.014	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Barium	0.13	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Calcium	39	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Copper	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Iron	1.6	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/28/13 23:46	OP
Magnesium	6.0	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Manganese	0.14	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/23/13	5/24/13 11:50	SAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Potassium	7.9	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Silver	ND	0.0050	mg/L	1	B-06	SW-846 6010C	5/23/13	5/25/13 1:59	OP
Sodium	220	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Vanadium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP
Zinc	ND	0.020	mg/L	1		SW-846 6010C	5/23/13	5/25/13 1:59	OP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10M-0513 | Sampled: 5/20/2013 16:02

Sample ID: 13E0755-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
tert-Butyl Alcohol (TBA)	32	20	µg/L	1	V-06, V-16	SW-846 8260C	5/23/13	5/23/13 21:26	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10M-0513 | Sampled: 5/20/2013 16:02

Sample ID: 13E0755-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Methyl tert-Butyl Ether (MTBE)	3.0	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.3	70-130		5/23/13 21:26
Toluene-d8	101	70-130		5/23/13 21:26
4-Bromofluorobenzene	106	70-130		5/23/13 21:26

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10M-0513 | Sampled: 5/20/2013 16:02

Sample ID: 13E0755-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.23	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/29/13 0:10	OP
Arsenic	0.035	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Barium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Calcium	75	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Copper	0.010	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Iron	53	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/29/13 0:10	OP
Magnesium	14	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Manganese	0.24	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/23/13	5/24/13 11:51	SAJ
Nickel	0.012	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Potassium	12	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Silver	ND	0.0050	mg/L	1	B-06	SW-846 6010C	5/23/13	5/25/13 2:04	OP
Sodium	210	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Vanadium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP
Zinc	ND	0.020	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:04	OP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-04-0513 | Sampled: 5/19/2013 16:44

Sample ID: 13E0755-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 21:52	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
cis-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-04-0513 | Sampled: 5/19/2013 16:44

Sample ID: 13E0755-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	95.0	70-130		5/23/13	21:52
Toluene-d8	99.6	70-130		5/23/13	21:52
4-Bromofluorobenzene	104	70-130		5/23/13	21:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-04-0513 | Sampled: 5/19/2013 16:44

Sample ID: 13E0755-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.78	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/29/13 0:15	OP
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Barium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Calcium	69	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Copper	0.047	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Iron	13	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/29/13 0:15	OP
Magnesium	22	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Manganese	0.44	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/23/13	5/24/13 11:53	SAJ
Nickel	0.011	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Potassium	11	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Silver	ND	0.0050	mg/L	1	B-06	SW-846 6010C	5/23/13	5/25/13 2:09	OP
Sodium	320	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Vanadium	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP
Zinc	0.059	0.020	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:09	OP

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-DUP01-0513 | Sampled: 5/20/2013 00:00

Sample ID: 13E0755-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	5/23/13	5/24/13 1:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-DUP01-0513 | Sampled: 5/20/2013 00:00

Sample ID: 13E0755-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	94.1	70-130			5/24/13 1:49
Toluene-d8	99.6	70-130			5/24/13 1:49
4-Bromofluorobenzene	101	70-130			5/24/13 1:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-DUP01-0513 | Sampled: 5/20/2013 00:00

Sample ID: 13E0755-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2.7	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/29/13 0:21	OP
Arsenic	0.015	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Barium	0.17	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Calcium	36	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Chromium	0.015	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Copper	0.014	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Iron	12	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/29/13 0:21	OP
Magnesium	9.6	0.15	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Manganese	0.35	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/23/13	5/24/13 11:55	SAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Potassium	10	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Silver	ND	0.0050	mg/L	1	B-06	SW-846 6010C	5/23/13	5/25/13 2:15	OP
Sodium	260	2.0	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Vanadium	0.011	0.010	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP
Zinc	0.088	0.020	mg/L	1		SW-846 6010C	5/23/13	5/25/13 2:15	OP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: Trip Blank-01 | Sampled: 5/22/2013 00:00

Sample ID: 13E0755-09

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 18:23	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: Trip Blank-01 | Sampled: 5/22/2013 00:00

Sample ID: 13E0755-09

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	92.7	70-130		5/23/13 18:23
Toluene-d8	101	70-130		5/23/13 18:23
4-Bromofluorobenzene	106	70-130		5/23/13 18:23

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3005A-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13E0755-01 [130110-MW-06-0513]	B073664	50.0	50.0	05/23/13
13E0755-02 [130110-MW-09D-0513]	B073664	50.0	50.0	05/23/13
13E0755-03 [130110-MW-09S-0513]	B073664	50.0	50.0	05/23/13
13E0755-04 [130110-MW-10D-0513]	B073664	50.0	50.0	05/23/13
13E0755-05 [130110-MW-10S-0513]	B073664	50.0	50.0	05/23/13
13E0755-06 [130110-MW-10M-0513]	B073664	50.0	50.0	05/23/13
13E0755-07 [130110-MW-04-0513]	B073664	50.0	50.0	05/23/13
13E0755-08 [130110-MW-DUP01-0513]	B073664	50.0	50.0	05/23/13

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13E0755-01 [130110-MW-06-0513]	B073589	6.00	6.00	05/23/13
13E0755-02 [130110-MW-09D-0513]	B073589	6.00	6.00	05/23/13
13E0755-03 [130110-MW-09S-0513]	B073589	6.00	6.00	05/23/13
13E0755-04 [130110-MW-10D-0513]	B073589	6.00	6.00	05/23/13
13E0755-05 [130110-MW-10S-0513]	B073589	6.00	6.00	05/23/13
13E0755-06 [130110-MW-10M-0513]	B073589	6.00	6.00	05/23/13
13E0755-07 [130110-MW-04-0513]	B073589	6.00	6.00	05/23/13
13E0755-08 [130110-MW-DUP01-0513]	B073589	6.00	6.00	05/23/13

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13E0755-01 [130110-MW-06-0513]	B073637	2.5	5.00	05/23/13
13E0755-04 [130110-MW-10D-0513]	B073637	5	5.00	05/23/13
13E0755-05 [130110-MW-10S-0513]	B073637	5	5.00	05/23/13
13E0755-06 [130110-MW-10M-0513]	B073637	5	5.00	05/23/13
13E0755-07 [130110-MW-04-0513]	B073637	5	5.00	05/23/13
13E0755-08 [130110-MW-DUP01-0513]	B073637	5	5.00	05/23/13
13E0755-09 [Trip Blank-01]	B073637	5	5.00	05/23/13

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13E0755-02 [130110-MW-09D-0513]	B073676	2.5	5.00	05/24/13
13E0755-03 [130110-MW-09S-0513]	B073676	5	5.00	05/24/13

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B073637 - SW-846 5030B										
Blank (B073637-BLK1)				Prepared & Analyzed: 05/23/13						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-16
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B073637 - SW-846 5030B											
Blank (B073637-BLK1)				Prepared & Analyzed: 05/23/13							
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L								
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.1*		µg/L	25.0		92.4	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.8	70-130				
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/L	25.0		104	70-130				
LCS (B073637-BS1)				Prepared & Analyzed: 05/23/13							
Acetone	158	50	µg/L	100		158	70-160				†
Acrylonitrile	11.6	5.0	µg/L	10.0		116	70-130				
tert-Amyl Methyl Ether (TAME)	11.1	0.50	µg/L	10.0		111	70-130				
Benzene	9.79	1.0	µg/L	10.0		97.9	70-130				
Bromobenzene	11.0	1.0	µg/L	10.0		110	70-130				
Bromochloromethane	10.1	1.0	µg/L	10.0		101	70-130				
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130				
Bromoform	10.2	1.0	µg/L	10.0		102	70-130				
Bromomethane	4.08	2.0	µg/L	10.0		40.8	40-160				†
2-Butanone (MEK)	141	20	µg/L	100		141	40-160				†
tert-Butyl Alcohol (TBA)	123	20	µg/L	100		123	40-160			V-06, V-16	†
n-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130				
sec-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130				
tert-Butylbenzene	11.1	1.0	µg/L	10.0		111	70-130				
tert-Butyl Ethyl Ether (TBEE)	11.1	0.50	µg/L	10.0		111	70-130				
Carbon Disulfide	10.2	4.0	µg/L	10.0		102	70-130				
Carbon Tetrachloride	9.87	5.0	µg/L	10.0		98.7	70-130				
Chlorobenzene	11.3	1.0	µg/L	10.0		113	70-130				
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130				
Chloroethane	9.11	2.0	µg/L	10.0		91.1	70-130				
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				
Chloromethane	4.12	2.0	µg/L	10.0		41.2	40-160				†
2-Chlorotoluene	11.5	1.0	µg/L	10.0		115	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B073637 - SW-846 5030B											
LCS (B073637-BS1)				Prepared & Analyzed: 05/23/13							
4-Chlorotoluene	11.5	1.0	µg/L	10.0		115	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	11.6	5.0	µg/L	10.0		116	70-130			V-20	
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130				
Dibromomethane	11.1	1.0	µg/L	10.0		111	70-130				
1,2-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130				
1,3-Dichlorobenzene	11.6	1.0	µg/L	10.0		116	70-130				
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
trans-1,4-Dichloro-2-butene	10.4	2.0	µg/L	10.0		104	70-130				
Dichlorodifluoromethane (Freon 12)	6.42	2.0	µg/L	10.0		64.2	40-160				†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichloroethane	9.13	1.0	µg/L	10.0		91.3	70-130				
1,1-Dichloroethylene	9.73	1.0	µg/L	10.0		97.3	70-130				
cis-1,2-Dichloroethylene	9.56	1.0	µg/L	10.0		95.6	70-130				
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
1,2-Dichloropropane	9.85	1.0	µg/L	10.0		98.5	70-130				
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130				
2,2-Dichloropropane	9.67	1.0	µg/L	10.0		96.7	40-130				†
1,1-Dichloropropene	9.64	2.0	µg/L	10.0		96.4	70-130				
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130				
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130				
Diethyl Ether	9.92	2.0	µg/L	10.0		99.2	70-130				
Diisopropyl Ether (DIPE)	11.6	0.50	µg/L	10.0		116	70-130				
1,4-Dioxane	124	50	µg/L	100		124	40-130			V-16	†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
Hexachlorobutadiene	10.9	0.50	µg/L	10.0		109	70-130				
2-Hexanone (MBK)	132	10	µg/L	100		132	70-160			V-20	†
Isopropylbenzene (Cumene)	11.3	1.0	µg/L	10.0		113	70-130				
p-Isopropyltoluene (p-Cymene)	11.1	1.0	µg/L	10.0		111	70-130				
Methyl tert-Butyl Ether (MTBE)	12.2	1.0	µg/L	10.0		122	70-130				
Methylene Chloride	11.6	5.0	µg/L	10.0		116	70-130				
4-Methyl-2-pentanone (MIBK)	112	10	µg/L	100		112	70-160				†
Naphthalene	12.6	2.0	µg/L	10.0		126	40-130			V-20	†
n-Propylbenzene	11.3	1.0	µg/L	10.0		113	70-130				
Styrene	11.1	1.0	µg/L	10.0		111	70-130				
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106	70-130				
1,1,2,2-Tetrachloroethane	11.5	0.50	µg/L	10.0		115	70-130				
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130				
Tetrahydrofuran	11.2	10	µg/L	10.0		112	70-130				
Toluene	10.4	1.0	µg/L	10.0		104	70-130				
1,2,3-Trichlorobenzene	12.6	5.0	µg/L	10.0		126	70-130			V-20	
1,2,4-Trichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130				
1,3,5-Trichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130				
1,1,1-Trichloroethane	9.89	1.0	µg/L	10.0		98.9	70-130				
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130				
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
Trichlorofluoromethane (Freon 11)	9.71	2.0	µg/L	10.0		97.1	70-130				
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130				
1,2,4-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
Vinyl Chloride	8.45	2.0	µg/L	10.0		84.5	40-160				†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B073637 - SW-846 5030B												
LCS (B073637-BS1)				Prepared & Analyzed: 05/23/13								
m+p Xylene	22.2	2.0	µg/L	20.0		111		70-130				
o-Xylene	11.6	1.0	µg/L	10.0		116		70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		94.6		70-130				
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		98.7		70-130				
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103		70-130				
LCS Dup (B073637-BSD1)				Prepared & Analyzed: 05/23/13								
Acetone	177	50	µg/L	100		**177**	*	70-160	11.3	25	L-07	†
Acrylonitrile	12.3	5.0	µg/L	10.0		123		70-130	6.10	25		
tert-Amyl Methyl Ether (TAME)	11.3	0.50	µg/L	10.0		113		70-130	1.25	25		
Benzene	9.72	1.0	µg/L	10.0		97.2		70-130	0.718	25		
Bromobenzene	10.5	1.0	µg/L	10.0		105		70-130	4.19	25		
Bromochloromethane	9.96	1.0	µg/L	10.0		99.6		70-130	1.69	25		
Bromodichloromethane	9.67	0.50	µg/L	10.0		96.7		70-130	3.85	25		
Bromoform	10.7	1.0	µg/L	10.0		107		70-130	5.28	25		
Bromomethane	4.38	2.0	µg/L	10.0		43.8		40-160	7.09	25		†
2-Butanone (MEK)	153	20	µg/L	100		153		40-160	8.51	25		†
tert-Butyl Alcohol (TBA)	125	20	µg/L	100		125		40-160	1.59	25	V-06, V-16	†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102		70-130	7.39	25		
sec-Butylbenzene	10.8	1.0	µg/L	10.0		108		70-130	4.78	25		
tert-Butylbenzene	10.7	1.0	µg/L	10.0		107		70-130	3.30	25		
tert-Butyl Ethyl Ether (TBEE)	10.8	0.50	µg/L	10.0		108		70-130	2.37	25		
Carbon Disulfide	10.1	4.0	µg/L	10.0		101		70-130	0.789	25		
Carbon Tetrachloride	9.51	5.0	µg/L	10.0		95.1		70-130	3.72	25		
Chlorobenzene	11.2	1.0	µg/L	10.0		112		70-130	0.981	25		
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107		70-130	2.18	25		
Chloroethane	9.30	2.0	µg/L	10.0		93.0		70-130	2.06	25		
Chloroform	9.69	2.0	µg/L	10.0		96.9		70-130	6.10	25		
Chloromethane	4.79	2.0	µg/L	10.0		47.9		40-160	15.0	25		†
2-Chlorotoluene	11.0	1.0	µg/L	10.0		110		70-130	4.54	25		
4-Chlorotoluene	11.3	1.0	µg/L	10.0		113		70-130	2.02	25		
1,2-Dibromo-3-chloropropane (DBCP)	12.2	5.0	µg/L	10.0		122		70-130	4.20	25	V-20	
1,2-Dibromoethane (EDB)	11.9	0.50	µg/L	10.0		119		70-130	5.70	25		
Dibromomethane	11.2	1.0	µg/L	10.0		112		70-130	1.17	25		
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	5.85	25		
1,3-Dichlorobenzene	11.1	1.0	µg/L	10.0		111		70-130	4.40	25		
1,4-Dichlorobenzene	9.91	1.0	µg/L	10.0		99.1		70-130	5.40	25		
trans-1,4-Dichloro-2-butene	11.1	2.0	µg/L	10.0		111		70-130	6.53	25		
Dichlorodifluoromethane (Freon 12)	6.26	2.0	µg/L	10.0		62.6		40-160	2.52	25		†
1,1-Dichloroethane	9.99	1.0	µg/L	10.0		99.9		70-130	3.35	25		
1,2-Dichloroethane	9.27	1.0	µg/L	10.0		92.7		70-130	1.52	25		
1,1-Dichloroethylene	9.41	1.0	µg/L	10.0		94.1		70-130	3.34	25		
cis-1,2-Dichloroethylene	9.14	1.0	µg/L	10.0		91.4		70-130	4.49	25		
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104		70-130	0.954	25		
1,2-Dichloropropane	9.84	1.0	µg/L	10.0		98.4		70-130	0.102	25		
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109		70-130	3.18	25		
2,2-Dichloropropane	9.47	1.0	µg/L	10.0		94.7		40-130	2.09	25		†
1,1-Dichloropropene	9.85	2.0	µg/L	10.0		98.5		70-130	2.15	25		
cis-1,3-Dichloropropene	9.85	0.50	µg/L	10.0		98.5		70-130	4.66	25		
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	3.64	25		
Diethyl Ether	10.2	2.0	µg/L	10.0		102		70-130	2.49	25		
Diisopropyl Ether (DIPE)	11.2	0.50	µg/L	10.0		112		70-130	3.35	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B073637 - SW-846 5030B												
LCS Dup (B073637-BSD1)				Prepared & Analyzed: 05/23/13								
1,4-Dioxane	127	50	µg/L	100		127		40-130	2.52	50	V-16	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	2.70	25		
Hexachlorobutadiene	10.9	0.50	µg/L	10.0		109		70-130	0.0916	25		
2-Hexanone (MBK)	144	10	µg/L	100		144		70-160	8.55	25	V-20	†
Isopropylbenzene (Cumene)	11.0	1.0	µg/L	10.0		110		70-130	3.14	25		
p-Isopropyltoluene (p-Cymene)	10.6	1.0	µg/L	10.0		106		70-130	4.90	25		
Methyl tert-Butyl Ether (MTBE)	11.7	1.0	µg/L	10.0		117		70-130	4.19	25		
Methylene Chloride	11.8	5.0	µg/L	10.0		118		70-130	1.89	25		
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118		70-160	5.55	25		†
Naphthalene	13.6	2.0	µg/L	10.0		**136**	*	40-130	7.48	25	L-07, V-20	†
n-Propylbenzene	11.5	1.0	µg/L	10.0		115		70-130	1.76	25		
Styrene	11.0	1.0	µg/L	10.0		110		70-130	1.36	25		
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105		70-130	1.32	25		
1,1,2,2-Tetrachloroethane	12.1	0.50	µg/L	10.0		121		70-130	5.59	25		
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107		70-130	3.03	25		
Tetrahydrofuran	11.2	10	µg/L	10.0		112		70-130	0.267	25		
Toluene	10.6	1.0	µg/L	10.0		106		70-130	2.00	25		
1,2,3-Trichlorobenzene	14.1	5.0	µg/L	10.0		**141**	*	70-130	11.4	25	L-07, V-20	
1,2,4-Trichlorobenzene	11.8	1.0	µg/L	10.0		118		70-130	3.88	25		
1,3,5-Trichlorobenzene	10.7	1.0	µg/L	10.0		107		70-130	6.60	25		
1,1,1-Trichloroethane	9.48	1.0	µg/L	10.0		94.8		70-130	4.23	25		
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109		70-130	0.0914	25		
Trichloroethylene	10.1	1.0	µg/L	10.0		101		70-130	0.887	25		
Trichlorofluoromethane (Freon 11)	9.23	2.0	µg/L	10.0		92.3		70-130	5.07	25		
1,2,3-Trichloropropane	12.1	2.0	µg/L	10.0		121		70-130	5.62	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108		70-130	1.38	25		
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0		103		70-130	3.82	25		
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103		70-130	1.63	25		
Vinyl Chloride	8.32	2.0	µg/L	10.0		83.2		40-160	1.55	25		†
m+p Xylene	21.9	2.0	µg/L	20.0		109		70-130	1.50	25		
o-Xylene	11.4	1.0	µg/L	10.0		114		70-130	1.22	25		
Surrogate: 1,2-Dichloroethane-d4	*23.3*		µg/L	25.0		93.1		70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8		70-130				
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103		70-130				
Matrix Spike (B073637-MS1)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/24/13								
Acetone	91.1	50	µg/L	100	ND	91.1		70-130				
Acrylonitrile	11.2	5.0	µg/L	10.0	ND	112		70-130				
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0	ND	107		70-130				
Benzene	10.4	1.0	µg/L	10.0	ND	104		70-130				
Bromobenzene	10.6	1.0	µg/L	10.0	ND	106		70-130				
Bromochloromethane	10.7	1.0	µg/L	10.0	ND	107		70-130				
Bromodichloromethane	9.65	0.50	µg/L	10.0	ND	96.5		70-130				
Bromoform	9.29	1.0	µg/L	10.0	ND	92.9		70-130				
Bromomethane	4.09	2.0	µg/L	10.0	ND	**40.9**	*	70-130			MS-07A	
2-Butanone (MEK)	96.1	20	µg/L	100	ND	96.1		70-130				
tert-Butyl Alcohol (TBA)	114	20	µg/L	100	ND	114		70-130			V-06, V-16	
n-Butylbenzene	10.3	1.0	µg/L	10.0	ND	103		70-130				
sec-Butylbenzene	11.4	1.0	µg/L	10.0	ND	114		70-130				
tert-Butylbenzene	11.4	1.0	µg/L	10.0	ND	114		70-130				
tert-Butyl Ethyl Ether (TBEE)	11.1	0.50	µg/L	10.0	ND	111		70-130				
Carbon Disulfide	9.76	4.0	µg/L	10.0	ND	97.6		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B073637 - SW-846 5030B											
Matrix Spike (B073637-MS1)	**Source: 13E0755-04**			Prepared: 05/23/13 Analyzed: 05/24/13							
Carbon Tetrachloride	10.7	5.0	µg/L	10.0	ND	107		70-130			
Chlorobenzene	11.4	1.0	µg/L	10.0	ND	114		70-130			
Chlorodibromomethane	10.5	0.50	µg/L	10.0	ND	105		70-130			
Chloroethane	10.1	2.0	µg/L	10.0	ND	101		70-130			
Chloroform	10.6	2.0	µg/L	10.0	ND	106		70-130			
Chloromethane	5.06	2.0	µg/L	10.0	ND	**50.6**	*	70-130			MS-07A
2-Chlorotoluene	11.1	1.0	µg/L	10.0	ND	111		70-130			
4-Chlorotoluene	11.5	1.0	µg/L	10.0	ND	115		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.16	5.0	µg/L	10.0	ND	91.6		70-130			V-20
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0	ND	112		70-130			
Dibromomethane	10.9	1.0	µg/L	10.0	ND	109		70-130			
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0	ND	109		70-130			
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0	ND	110		70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130			
trans-1,4-Dichloro-2-butene	8.32	2.0	µg/L	10.0	ND	83.2		70-130			
Dichlorodifluoromethane (Freon 12)	6.60	2.0	µg/L	10.0	ND	**66.0**	*	70-130			MS-07A
1,1-Dichloroethane	10.8	1.0	µg/L	10.0	ND	108		70-130			
1,2-Dichloroethane	9.33	1.0	µg/L	10.0	ND	93.3		70-130			
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0	ND	105		70-130			
cis-1,2-Dichloroethylene	9.78	1.0	µg/L	10.0	ND	97.8		70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0	ND	109		70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0	ND	101		70-130			
1,3-Dichloropropane	11.1	0.50	µg/L	10.0	ND	111		70-130			
2,2-Dichloropropane	9.16	1.0	µg/L	10.0	ND	91.6		70-130			
1,1-Dichloropropene	10.8	2.0	µg/L	10.0	ND	108		70-130			
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0	ND	102		70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0	ND	106		70-130			
Diethyl Ether	10.3	2.0	µg/L	10.0	ND	103		70-130			
Diisopropyl Ether (DIPE)	11.3	0.50	µg/L	10.0	ND	113		70-130			
1,4-Dioxane	98.5	50	µg/L	100	ND	98.5		70-130			V-16
Ethylbenzene	10.6	1.0	µg/L	10.0	ND	106		70-130			
Hexachlorobutadiene	10.6	0.50	µg/L	10.0	ND	106		70-130			
2-Hexanone (MBK)	99.5	10	µg/L	100	ND	99.5		70-130			V-20
Isopropylbenzene (Cumene)	11.5	1.0	µg/L	10.0	ND	115		70-130			
p-Isopropyltoluene (p-Cymene)	11.1	1.0	µg/L	10.0	ND	111		70-130			
Methyl tert-Butyl Ether (MTBE)	11.7	1.0	µg/L	10.0	0.110	116		70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0	ND	107		70-130			
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100	ND	101		70-130			
Naphthalene	8.76	2.0	µg/L	10.0	ND	87.6		70-130			V-20
n-Propylbenzene	11.5	1.0	µg/L	10.0	ND	115		70-130			
Styrene	10.5	1.0	µg/L	10.0	ND	105		70-130			
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0	ND	105		70-130			
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0	ND	101		70-130			
Tetrachloroethylene	11.5	1.0	µg/L	10.0	ND	115		70-130			
Tetrahydrofuran	9.99	10	µg/L	10.0	ND	99.9		70-130			
Toluene	11.0	1.0	µg/L	10.0	ND	110		70-130			
1,2,3-Trichlorobenzene	9.30	5.0	µg/L	10.0	ND	93.0		70-130			V-20
1,2,4-Trichlorobenzene	9.95	1.0	µg/L	10.0	ND	99.5		70-130			
1,3,5-Trichlorobenzene	10.5	1.0	µg/L	10.0	ND	105		70-130			
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0	ND	105		70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0	0.510	104		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B073637 - SW-846 5030B											
Matrix Spike (B073637-MS1)	**Source: 13E0755-04**			Prepared: 05/23/13 Analyzed: 05/24/13							
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0	ND	106		70-130			
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0	ND	103		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	1.0	µg/L	10.0	ND	115		70-130			
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0	ND	103		70-130			
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0	ND	105		70-130			
Vinyl Chloride	8.48	2.0	µg/L	10.0	ND	84.8		70-130			
m+p Xylene	22.1	2.0	µg/L	20.0	ND	110		70-130			
o-Xylene	10.9	1.0	µg/L	10.0	ND	109		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.0*		µg/L	25.0		96.2		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103		70-130			
Matrix Spike Dup (B073637-MSD1)	**Source: 13E0755-04**			Prepared: 05/23/13 Analyzed: 05/24/13							
Acetone	100	50	µg/L	100	ND	100		70-130	9.57	30	
Acrylonitrile	12.4	5.0	µg/L	10.0	ND	124		70-130	10.3	30	
tert-Amyl Methyl Ether (TAME)	11.3	0.50	µg/L	10.0	ND	113		70-130	5.91	30	
Benzene	10.8	1.0	µg/L	10.0	ND	108		70-130	4.44	30	
Bromobenzene	10.4	1.0	µg/L	10.0	ND	104		70-130	1.53	30	
Bromochloromethane	11.1	1.0	µg/L	10.0	ND	111		70-130	4.13	30	
Bromodichloromethane	10.3	0.50	µg/L	10.0	ND	103		70-130	6.32	30	
Bromoform	10.2	1.0	µg/L	10.0	ND	102		70-130	9.34	30	
Bromomethane	4.12	2.0	µg/L	10.0	ND	**41.2**	*	70-130	0.731	30	MS-07A
2-Butanone (MEK)	108	20	µg/L	100	ND	108		70-130	11.6	30	
tert-Butyl Alcohol (TBA)	129	20	µg/L	100	ND	129		70-130	12.5	30	V-06, V-16
n-Butylbenzene	10.6	1.0	µg/L	10.0	ND	106		70-130	2.39	30	
sec-Butylbenzene	11.3	1.0	µg/L	10.0	ND	113		70-130	0.618	30	
tert-Butylbenzene	11.2	1.0	µg/L	10.0	ND	112		70-130	1.51	30	
tert-Butyl Ethyl Ether (TBEE)	11.7	0.50	µg/L	10.0	ND	117		70-130	5.27	30	
Carbon Disulfide	9.94	4.0	µg/L	10.0	ND	99.4		70-130	1.83	30	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0	ND	108		70-130	1.11	30	
Chlorobenzene	11.7	1.0	µg/L	10.0	ND	117		70-130	2.33	30	
Chlorodibromomethane	11.1	0.50	µg/L	10.0	ND	111		70-130	5.67	30	
Chloroethane	9.86	2.0	µg/L	10.0	ND	98.6		70-130	2.11	30	
Chloroform	11.1	2.0	µg/L	10.0	ND	111		70-130	4.51	30	
Chloromethane	4.36	2.0	µg/L	10.0	ND	**43.6**	*	70-130	14.9	30	MS-07A
2-Chlorotoluene	11.5	1.0	µg/L	10.0	ND	115		70-130	3.28	30	
4-Chlorotoluene	11.6	1.0	µg/L	10.0	ND	116		70-130	0.867	30	
1,2-Dibromo-3-chloropropane (DBCP)	11.1	5.0	µg/L	10.0	ND	111		70-130	19.2	30	V-20
1,2-Dibromoethane (EDB)	11.9	0.50	µg/L	10.0	ND	119		70-130	5.37	30	
Dibromomethane	11.5	1.0	µg/L	10.0	ND	115		70-130	5.98	30	
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0	ND	112		70-130	2.80	30	
1,3-Dichlorobenzene	11.2	1.0	µg/L	10.0	ND	112		70-130	0.991	30	
1,4-Dichlorobenzene	9.82	1.0	µg/L	10.0	ND	98.2		70-130	2.91	30	
trans-1,4-Dichloro-2-butene	9.90	2.0	µg/L	10.0	ND	99.0		70-130	17.3	30	
Dichlorodifluoromethane (Freon 12)	6.54	2.0	µg/L	10.0	ND	**65.4**	*	70-130	0.913	30	MS-07A
1,1-Dichloroethane	10.9	1.0	µg/L	10.0	ND	109		70-130	1.20	30	
1,2-Dichloroethane	9.37	1.0	µg/L	10.0	ND	93.7		70-130	0.428	30	
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0	ND	109		70-130	3.92	30	
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0	ND	105		70-130	7.39	30	
trans-1,2-Dichloroethylene	11.3	1.0	µg/L	10.0	ND	113		70-130	3.24	30	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0	ND	106		70-130	4.64	30	
1,3-Dichloropropane	11.1	0.50	µg/L	10.0	ND	111		70-130	0.180	30	

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B073637 - SW-846 5030B										
Matrix Spike Dup (B073637-MSD1)	**Source: 13E0755-04**			Prepared: 05/23/13 Analyzed: 05/24/13						
2,2-Dichloropropane	9.18	1.0	µg/L	10.0	ND	91.8	70-130	0.218	30	
1,1-Dichloropropene	10.9	2.0	µg/L	10.0	ND	109	70-130	0.831	30	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0	ND	100	70-130	2.47	30	
trans-1,3-Dichloropropene	11.1	0.50	µg/L	10.0	ND	111	70-130	4.97	30	
Diethyl Ether	10.4	2.0	µg/L	10.0	ND	104	70-130	0.484	30	
Diisopropyl Ether (DIPE)	11.7	0.50	µg/L	10.0	ND	117	70-130	3.64	30	
1,4-Dioxane	111	50	µg/L	100	ND	111	70-130	11.5	30	V-16
Ethylbenzene	10.7	1.0	µg/L	10.0	ND	107	70-130	1.50	30	
Hexachlorobutadiene	10.1	0.50	µg/L	10.0	ND	101	70-130	4.06	30	
2-Hexanone (MBK)	110	10	µg/L	100	ND	110	70-130	9.76	30	V-20
Isopropylbenzene (Cumene)	11.8	1.0	µg/L	10.0	ND	118	70-130	2.75	30	
p-Isopropyltoluene (p-Cymene)	11.2	1.0	µg/L	10.0	ND	112	70-130	0.894	30	
Methyl tert-Butyl Ether (MTBE)	12.2	1.0	µg/L	10.0	0.110	121	70-130	4.77	30	
Methylene Chloride	10.8	5.0	µg/L	10.0	ND	108	70-130	1.03	30	
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100	ND	107	70-130	5.74	30	
Naphthalene	11.2	2.0	µg/L	10.0	ND	112	70-130	24.1	30	V-20
n-Propylbenzene	11.8	1.0	µg/L	10.0	ND	118	70-130	2.74	30	
Styrene	11.3	1.0	µg/L	10.0	ND	113	70-130	7.42	30	
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0	ND	106	70-130	1.42	30	
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0	ND	116	70-130	13.6	30	
Tetrachloroethylene	11.7	1.0	µg/L	10.0	ND	117	70-130	1.99	30	
Tetrahydrofuran	10.6	10	µg/L	10.0	ND	106	70-130	5.93	30	
Toluene	11.0	1.0	µg/L	10.0	ND	110	70-130	0.00	30	
1,2,3-Trichlorobenzene	11.8	5.0	µg/L	10.0	ND	118	70-130	24.1	30	V-20
1,2,4-Trichlorobenzene	10.8	1.0	µg/L	10.0	ND	108	70-130	7.92	30	
1,3,5-Trichlorobenzene	10.8	1.0	µg/L	10.0	ND	108	70-130	2.92	30	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0	ND	106	70-130	0.282	30	
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0	ND	112	70-130	5.71	30	
Trichloroethylene	11.2	1.0	µg/L	10.0	0.510	107	70-130	2.89	30	
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0	ND	103	70-130	3.16	30	
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.0	ND	117	70-130	12.8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8	1.0	µg/L	10.0	ND	118	70-130	3.08	30	
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.0	ND	104	70-130	0.775	30	
1,3,5-Trimethylbenzene	10.9	1.0	µg/L	10.0	ND	109	70-130	3.94	30	
Vinyl Chloride	8.61	2.0	µg/L	10.0	ND	86.1	70-130	1.52	30	
m+p Xylene	22.3	2.0	µg/L	20.0	ND	112	70-130	0.946	20	
o-Xylene	11.6	1.0	µg/L	10.0	ND	116	70-130	6.57	30	
Surrogate: 1,2-Dichloroethane-d4	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	*26.3*		µg/L	25.0		105	70-130			
Batch B073676 - SW-846 5030B										
Blank (B073676-BLK1)				Prepared & Analyzed: 05/24/13						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B073676 - SW-846 5030B										
Blank (B073676-BLK1)				Prepared & Analyzed: 05/24/13						
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-16
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B073676 - SW-846 5030B												
Blank (B073676-BLK1)				Prepared & Analyzed: 05/24/13								
Tetrahydrofuran	ND	10	µg/L									
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L									
1,2,4-Trichlorobenzene	ND	1.0	µg/L									
1,3,5-Trichlorobenzene	ND	1.0	µg/L									
1,1,1-Trichloroethane	ND	1.0	µg/L									
1,1,2-Trichloroethane	ND	1.0	µg/L									
Trichloroethylene	ND	1.0	µg/L									
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L									
1,2,3-Trichloropropane	ND	2.0	µg/L									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	µg/L									
Vinyl Chloride	ND	2.0	µg/L									
m+p Xylene	ND	2.0	µg/L									
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.6		70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		70-130				
LCS (B073676-BS1)				Prepared & Analyzed: 05/24/13								
Acetone	146	50	µg/L	100		146		70-160				†
Acrylonitrile	11.2	5.0	µg/L	10.0		112		70-130				
tert-Amyl Methyl Ether (TAME)	11.0	0.50	µg/L	10.0		110		70-130				
Benzene	9.93	1.0	µg/L	10.0		99.3		70-130				
Bromobenzene	10.8	1.0	µg/L	10.0		108		70-130				
Bromochloromethane	10.3	1.0	µg/L	10.0		103		70-130				
Bromodichloromethane	9.88	0.50	µg/L	10.0		98.8		70-130				
Bromoform	9.88	1.0	µg/L	10.0		98.8		70-130				
Bromomethane	3.55	2.0	µg/L	10.0		**35.5**	*	40-160			L-07	†
2-Butanone (MEK)	126	20	µg/L	100		126		40-160				†
tert-Butyl Alcohol (TBA)	112	20	µg/L	100		112		40-160			V-16	†
n-Butylbenzene	10.4	1.0	µg/L	10.0		104		70-130				
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110		70-130				
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108		70-130				
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110		70-130				
Carbon Disulfide	10.7	4.0	µg/L	10.0		107		70-130				
Carbon Tetrachloride	9.90	5.0	µg/L	10.0		99.0		70-130				
Chlorobenzene	11.4	1.0	µg/L	10.0		114		70-130				
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103		70-130				
Chloroethane	9.82	2.0	µg/L	10.0		98.2		70-130				
Chloroform	10.2	2.0	µg/L	10.0		102		70-130				
Chloromethane	4.16	2.0	µg/L	10.0		41.6		40-160			V-05	†
2-Chlorotoluene	10.8	1.0	µg/L	10.0		108		70-130				
4-Chlorotoluene	11.5	1.0	µg/L	10.0		115		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.5	5.0	µg/L	10.0		105		70-130				
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108		70-130				
Dibromomethane	10.7	1.0	µg/L	10.0		107		70-130				
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108		70-130				
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110		70-130				
1,4-Dichlorobenzene	9.72	1.0	µg/L	10.0		97.2		70-130				
trans-1,4-Dichloro-2-butene	10.1	2.0	µg/L	10.0		101		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B073676 - SW-846 5030B											
LCS (B073676-BS1)				Prepared & Analyzed: 05/24/13							
Dichlorodifluoromethane (Freon 12)	6.31	2.0	µg/L	10.0		63.1	40-160				†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichloroethane	8.94	1.0	µg/L	10.0		89.4	70-130				
1,1-Dichloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130				
cis-1,2-Dichloroethylene	9.46	1.0	µg/L	10.0		94.6	70-130				
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
1,2-Dichloropropane	9.90	1.0	µg/L	10.0		99.0	70-130				
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130				
2,2-Dichloropropane	9.83	1.0	µg/L	10.0		98.3	40-130				†
1,1-Dichloropropene	9.84	2.0	µg/L	10.0		98.4	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130				
Diethyl Ether	9.66	2.0	µg/L	10.0		96.6	70-130				
Diisopropyl Ether (DIPE)	11.0	0.50	µg/L	10.0		110	70-130				
1,4-Dioxane	112	50	µg/L	100		112	40-130			V-16	†
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130				
Hexachlorobutadiene	10.3	0.50	µg/L	10.0		103	70-130				
2-Hexanone (MBK)	118	10	µg/L	100		118	70-160				†
Isopropylbenzene (Cumene)	11.3	1.0	µg/L	10.0		113	70-130				
p-Isopropyltoluene (p-Cymene)	10.9	1.0	µg/L	10.0		109	70-130				
Methyl tert-Butyl Ether (MTBE)	11.7	1.0	µg/L	10.0		117	70-130				
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130				
4-Methyl-2-pentanone (MIBK)	103	10	µg/L	100		103	70-160				†
Naphthalene	10.2	2.0	µg/L	10.0		102	40-130				†
n-Propylbenzene	11.4	1.0	µg/L	10.0		114	70-130				
Styrene	10.9	1.0	µg/L	10.0		109	70-130				
1,1,1,2-Tetrachloroethane	10.3	1.0	µg/L	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130				
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130				
Tetrahydrofuran	8.75	10	µg/L	10.0		87.5	70-130				
Toluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2,3-Trichlorobenzene	11.0	5.0	µg/L	10.0		110	70-130				
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
Trichlorofluoromethane (Freon 11)	9.88	2.0	µg/L	10.0		98.8	70-130				
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.0		106	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	1.0	µg/L	10.0		114	70-130				
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Vinyl Chloride	8.44	2.0	µg/L	10.0		84.4	40-160				†
m+p Xylene	22.1	2.0	µg/L	20.0		110	70-130				
o-Xylene	11.3	1.0	µg/L	10.0		113	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.5*		µg/L	25.0		94.1	70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.7	70-130				
Surrogate: 4-Bromofluorobenzene	*26.4*		µg/L	25.0		105	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B073676 - SW-846 5030B											
LCS Dup (B073676-BSD1)				Prepared & Analyzed: 05/24/13							
Acetone	139	50	µg/L	100		139	70-160	4.77	25		†
Acrylonitrile	10.9	5.0	µg/L	10.0		109	70-130	2.54	25		
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0		107	70-130	2.87	25		
Benzene	9.88	1.0	µg/L	10.0		98.8	70-130	0.505	25		
Bromobenzene	10.5	1.0	µg/L	10.0		105	70-130	2.90	25		
Bromochloromethane	10.3	1.0	µg/L	10.0		103	70-130	0.195	25		
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130	5.51	25		
Bromoform	9.68	1.0	µg/L	10.0		96.8	70-130	2.04	25		
Bromomethane	4.11	2.0	µg/L	10.0		41.1	40-160	14.6	25		†
2-Butanone (MEK)	123	20	µg/L	100		123	40-160	2.49	25		†
tert-Butyl Alcohol (TBA)	105	20	µg/L	100		105	40-160	6.04	25	V-16	†
n-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	3.73	25		
sec-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130	3.70	25		
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	7.00	25		
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110	70-130	0.0913	25		
Carbon Disulfide	10.2	4.0	µg/L	10.0		102	70-130	4.61	25		
Carbon Tetrachloride	9.74	5.0	µg/L	10.0		97.4	70-130	1.63	25		
Chlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	2.93	25		
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130	6.03	25		
Chloroethane	8.51	2.0	µg/L	10.0		85.1	70-130	14.3	25		
Chloroform	10.2	2.0	µg/L	10.0		102	70-130	0.294	25		
Chloromethane	4.38	2.0	µg/L	10.0		43.8	40-160	5.15	25	V-05	†
2-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130	0.277	25		
4-Chlorotoluene	11.4	1.0	µg/L	10.0		114	70-130	0.436	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102	70-130	2.70	25		
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130	3.47	25		
Dibromomethane	11.2	1.0	µg/L	10.0		112	70-130	4.38	25		
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	0.186	25		
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	1.56	25		
1,4-Dichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	0.308	25		
trans-1,4-Dichloro-2-butene	10.2	2.0	µg/L	10.0		102	70-130	0.891	25		
Dichlorodifluoromethane (Freon 12)	5.78	2.0	µg/L	10.0		57.8	40-160	8.77	25		†
1,1-Dichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130	1.49	25		
1,2-Dichloroethane	9.27	1.0	µg/L	10.0		92.7	70-130	3.62	25		
1,1-Dichloroethylene	9.19	1.0	µg/L	10.0		91.9	70-130	7.74	25		
cis-1,2-Dichloroethylene	9.37	1.0	µg/L	10.0		93.7	70-130	0.956	25		
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	4.67	25		
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	5.60	25		
1,3-Dichloropropane	10.8	0.50	µg/L	10.0		108	70-130	3.97	25		
2,2-Dichloropropane	9.94	1.0	µg/L	10.0		99.4	40-130	1.11	25		†
1,1-Dichloropropene	9.63	2.0	µg/L	10.0		96.3	70-130	2.16	25		
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	3.51	25		
trans-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114	70-130	5.87	25		
Diethyl Ether	9.90	2.0	µg/L	10.0		99.0	70-130	2.45	25		
Diisopropyl Ether (DIPE)	11.0	0.50	µg/L	10.0		110	70-130	0.0907	25		
1,4-Dioxane	103	50	µg/L	100		103	40-130	8.19	50	V-16	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	5.23	25		
Hexachlorobutadiene	10.2	0.50	µg/L	10.0		102	70-130	0.778	25		
2-Hexanone (MBK)	121	10	µg/L	100		121	70-160	2.49	25		†
Isopropylbenzene (Cumene)	11.1	1.0	µg/L	10.0		111	70-130	1.69	25		
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130	3.37	25		
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130	3.56	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B073676 - SW-846 5030B										
LCS Dup (B073676-BSD1)				Prepared & Analyzed: 05/24/13						
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130	3.90	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	2.65	25	†
Naphthalene	10.3	2.0	µg/L	10.0		103	40-130	0.974	25	†
n-Propylbenzene	11.4	1.0	µg/L	10.0		114	70-130	0.264	25	
Styrene	10.5	1.0	µg/L	10.0		105	70-130	3.36	25	
1,1,1,2-Tetrachloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.291	25	
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107	70-130	1.57	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130	0.277	25	
Tetrahydrofuran	9.80	10	µg/L	10.0		98.0	70-130	11.3	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	4.23	25	
1,2,3-Trichlorobenzene	11.0	5.0	µg/L	10.0		110	70-130	0.454	25	
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.288	25	
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.0945	25	
1,1,1-Trichloroethane	9.37	1.0	µg/L	10.0		93.7	70-130	7.60	25	
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	5.67	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.196	25	
Trichlorofluoromethane (Freon 11)	9.22	2.0	µg/L	10.0		92.2	70-130	6.91	25	
1,2,3-Trichloropropane	11.0	2.0	µg/L	10.0		110	70-130	3.42	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108	70-130	5.33	25	
1,2,4-Trimethylbenzene	9.79	1.0	µg/L	10.0		97.9	70-130	4.20	25	
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.38	25	
Vinyl Chloride	8.04	2.0	µg/L	10.0		80.4	40-160	4.85	25	†
m+p Xylene	21.3	2.0	µg/L	20.0		106	70-130	3.60	25	
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130	3.24	25	
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		92.1	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*26.1*		µg/L	25.0		104	70-130			

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B073589 - SW-846 7470A Prep										
Blank (B073589-BLK1)				Prepared: 05/23/13 Analyzed: 05/24/13						
Mercury	ND	0.00010	mg/L							
LCS (B073589-BS1)				Prepared: 05/23/13 Analyzed: 05/24/13						
Mercury	0.00200	0.00010	mg/L	0.00200		99.8	80-120			
LCS Dup (B073589-BSD1)				Prepared: 05/23/13 Analyzed: 05/24/13						
Mercury	0.00200	0.00010	mg/L	0.00200		100	80-120	0.366	20	
Duplicate (B073589-DUP1)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/24/13						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B073589-MS1)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/24/13						
Mercury	0.00200	0.00010	mg/L	0.00200	ND	100	75-125			
Matrix Spike Dup (B073589-MSD1)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/24/13						
Mercury	0.00200	0.00010	mg/L	0.00200	ND	100	75-125	0.110	20	
Batch B073664 - SW-846 3005A										
Blank (B073664-BLK1)				Prepared: 05/23/13 Analyzed: 05/25/13						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.15	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.050	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.15	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.0050	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.020	mg/L							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B073664 - SW-846 3005A										
LCS (B073664-BS1)				Prepared: 05/23/13 Analyzed: 05/25/13						
Silver	0.457	0.0050	mg/L	0.500		91.5	80-120			
LCS (B073664-BS2)				Prepared: 05/23/13 Analyzed: 05/25/13						
Aluminum	2.00	0.050	mg/L	2.00		100	80-120			
Antimony	2.07	0.050	mg/L	2.00		103	80-120			
Arsenic	1.92	0.010	mg/L	2.00		96.0	80-120			
Barium	1.85	0.050	mg/L	2.00		92.5	80-120			
Beryllium	1.92	0.0040	mg/L	2.00		95.9	80-120			
Cadmium	1.94	0.0040	mg/L	2.00		97.1	80-120			
Calcium	1.88	0.15	mg/L	2.00		93.9	80-120			
Chromium	1.90	0.010	mg/L	2.00		94.8	80-120			
Cobalt	1.92	0.050	mg/L	2.00		96.0	80-120			
Copper	1.92	0.010	mg/L	2.00		95.8	80-120			
Iron	1.90	0.050	mg/L	2.00		94.8	80-120			
Lead	1.97	0.010	mg/L	2.00		98.3	80-120			
Magnesium	1.98	0.15	mg/L	2.00		98.9	80-120			
Manganese	1.91	0.010	mg/L	2.00		95.6	80-120			
Nickel	1.91	0.010	mg/L	2.00		95.3	80-120			
Potassium	18.8	2.0	mg/L	20.0		93.9	80-120			
Selenium	2.12	0.050	mg/L	2.00		106	80-120			
Sodium	1.78	2.0	mg/L	2.00		88.9	80-120			
Thallium	1.90	0.050	mg/L	2.00		95.2	80-120			
Vanadium	1.93	0.010	mg/L	2.00		96.5	80-120			
Zinc	1.91	0.020	mg/L	2.00		95.7	80-120			
LCS Dup (B073664-BSD1)				Prepared: 05/23/13 Analyzed: 05/25/13						
Silver	0.448	0.0050	mg/L	0.500		89.7	80-120	1.94	20	
LCS Dup (B073664-BSD2)				Prepared: 05/23/13 Analyzed: 05/25/13						
Aluminum	2.00	0.050	mg/L	2.00		100	80-120	0.0763	20	
Antimony	2.09	0.050	mg/L	2.00		104	80-120	0.878	20	
Arsenic	1.94	0.010	mg/L	2.00		97.2	80-120	1.28	20	
Barium	1.86	0.050	mg/L	2.00		93.2	80-120	0.783	20	
Beryllium	1.93	0.0040	mg/L	2.00		96.7	80-120	0.841	20	
Cadmium	1.98	0.0040	mg/L	2.00		98.9	80-120	1.82	20	
Calcium	1.89	0.15	mg/L	2.00		94.3	80-120	0.401	20	
Chromium	1.94	0.010	mg/L	2.00		96.9	80-120	2.27	20	
Cobalt	1.96	0.050	mg/L	2.00		98.0	80-120	2.05	20	
Copper	1.95	0.010	mg/L	2.00		97.5	80-120	1.74	20	
Iron	1.89	0.050	mg/L	2.00		94.5	80-120	0.294	20	
Lead	1.99	0.010	mg/L	2.00		99.3	80-120	1.06	20	
Magnesium	1.98	0.15	mg/L	2.00		99.2	80-120	0.266	20	
Manganese	1.91	0.010	mg/L	2.00		95.6	80-120	0.0361	20	
Nickel	1.95	0.010	mg/L	2.00		97.3	80-120	2.09	20	
Potassium	18.8	2.0	mg/L	20.0		94.0	80-120	0.162	20	
Selenium	2.16	0.050	mg/L	2.00		108	80-120	1.63	20	
Sodium	1.78	2.0	mg/L	2.00		89.2	80-120	0.348	20	
Thallium	1.94	0.050	mg/L	2.00		97.0	80-120	1.88	20	
Vanadium	1.95	0.010	mg/L	2.00		97.4	80-120	0.939	20	
Zinc	1.96	0.020	mg/L	2.00		97.8	80-120	2.16	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B073664 - SW-846 3005A											
Duplicate (B073664-DUP1)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/25/13							
Aluminum	0.137	0.050	mg/L		0.125				8.70	20	
Antimony	ND	0.050	mg/L		ND				NC	20	
Arsenic	ND	0.010	mg/L		ND				NC	20	
Barium	ND	0.050	mg/L		ND				NC	20	
Beryllium	ND	0.0040	mg/L		ND				NC	20	
Cadmium	ND	0.0040	mg/L		ND				NC	20	
Calcium	9.98	0.15	mg/L		9.75				2.38	20	
Chromium	ND	0.010	mg/L		ND				NC	20	
Cobalt	ND	0.050	mg/L		ND				NC	20	
Copper	ND	0.010	mg/L		ND				NC	20	
Iron	6.47	0.050	mg/L		6.74				4.07	20	
Lead	ND	0.010	mg/L		ND				NC	20	
Magnesium	4.75	0.15	mg/L		4.60				3.20	20	
Manganese	0.488	0.010	mg/L		0.473				3.16	20	
Nickel	ND	0.010	mg/L		ND				NC	20	
Potassium	2.60	2.0	mg/L		2.54				2.13	20	
Selenium	ND	0.050	mg/L		ND				NC	20	
Silver	ND	0.0050	mg/L		ND				NC	20	B-06
Sodium	45.6	2.0	mg/L		44.4				2.63	20	
Thallium	ND	0.050	mg/L		ND				NC	20	
Vanadium	ND	0.010	mg/L		ND				NC	20	
Zinc	ND	0.020	mg/L		ND				NC	20	
Matrix Spike (B073664-MS1)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/25/13							
Silver	0.392	0.0050	mg/L	0.500	0.00415	77.7		75-125			
Matrix Spike (B073664-MS2)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/25/13							
Aluminum	2.19	0.050	mg/L	2.00	0.125	103		75-125			
Antimony	2.15	0.050	mg/L	2.00	ND	107		75-125			
Arsenic	1.96	0.010	mg/L	2.00	ND	97.8		75-125			
Barium	1.89	0.050	mg/L	2.00	ND	94.4		75-125			
Beryllium	1.97	0.0040	mg/L	2.00	ND	98.4		75-125			
Cadmium	1.94	0.0040	mg/L	2.00	ND	96.9		75-125			
Calcium	11.8	0.15	mg/L	2.00	9.75	103		75-125			
Chromium	1.90	0.010	mg/L	2.00	ND	94.8		75-125			
Cobalt	1.90	0.050	mg/L	2.00	ND	95.1		75-125			
Copper	1.93	0.010	mg/L	2.00	0.00795	96.2		75-125			
Iron	8.32	0.050	mg/L	2.00	6.74	78.9		75-125			
Lead	1.94	0.010	mg/L	2.00	ND	96.9		75-125			
Magnesium	6.72	0.15	mg/L	2.00	4.60	106		75-125			
Manganese	2.42	0.010	mg/L	2.00	0.473	97.3		75-125			
Nickel	1.88	0.010	mg/L	2.00	0.00263	94.0		75-125			
Potassium	21.8	2.0	mg/L	20.0	2.54	96.3		75-125			
Selenium	2.15	0.050	mg/L	2.00	ND	107		75-125			
Sodium	47.7	2.0	mg/L	2.00	44.4	**163**	*	75-125			MS-22
Thallium	1.89	0.050	mg/L	2.00	ND	94.3		75-125			
Vanadium	1.98	0.010	mg/L	2.00	ND	98.9		75-125			
Zinc	1.93	0.020	mg/L	2.00	0.0106	96.0		75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B073664 - SW-846 3005A										
Matrix Spike Dup (B073664-MSD1)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/25/13						
Silver	0.396	0.0050	mg/L	0.500	0.00415	78.4	75-125	0.968	20	
Matrix Spike Dup (B073664-MSD2)		**Source: 13E0755-04**		Prepared: 05/23/13 Analyzed: 05/25/13						
Aluminum	2.16	0.050	mg/L	2.00	0.125	102	75-125	1.73	20	
Antimony	2.08	0.050	mg/L	2.00	ND	104	75-125	3.05	20	
Arsenic	1.94	0.010	mg/L	2.00	ND	97.2	75-125	0.577	20	
Barium	1.87	0.050	mg/L	2.00	ND	93.3	75-125	1.14	20	
Beryllium	1.95	0.0040	mg/L	2.00	ND	97.4	75-125	1.09	20	
Cadmium	1.96	0.0040	mg/L	2.00	ND	97.9	75-125	0.997	20	
Calcium	11.6	0.15	mg/L	2.00	9.75	92.6	75-125	1.72	20	
Chromium	1.92	0.010	mg/L	2.00	ND	95.9	75-125	1.18	20	
Cobalt	1.92	0.050	mg/L	2.00	ND	96.2	75-125	1.21	20	
Copper	1.96	0.010	mg/L	2.00	0.00795	97.7	75-125	1.49	20	
Iron	8.66	0.050	mg/L	2.00	6.74	95.8	75-125	3.98	20	
Lead	1.88	0.010	mg/L	2.00	ND	94.1	75-125	2.89	20	
Magnesium	6.60	0.15	mg/L	2.00	4.60	100	75-125	1.74	20	
Manganese	2.39	0.010	mg/L	2.00	0.473	95.9	75-125	1.15	20	
Nickel	1.91	0.010	mg/L	2.00	0.00263	95.2	75-125	1.22	20	
Potassium	21.5	2.0	mg/L	20.0	2.54	95.0	75-125	1.15	20	
Selenium	2.12	0.050	mg/L	2.00	ND	106	75-125	1.25	20	
Sodium	46.4	2.0	mg/L	2.00	44.4	102	75-125	2.58	20	
Thallium	1.92	0.050	mg/L	2.00	ND	95.9	75-125	1.69	20	
Vanadium	1.96	0.010	mg/L	2.00	ND	97.8	75-125	1.12	20	
Zinc	1.95	0.020	mg/L	2.00	0.0106	96.8	75-125	0.797	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
B-06	Continuing calibration blank did not meet method specified criteria. Data is not affected since all associated samples were "Not Detected" even though CCB value was above the reporting limit.
DL-01	Elevated reporting limits for all volatile compounds due to foaming sample matrix.
L-06	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010C in Soil	
Aluminum	CT,NH,NY,ME,VA
Antimony	CT,NH,NY,NC,ME,VA
Arsenic	CT,NH,NY,ME,NC,VA
Barium	CT,NH,NY,ME,NC,VA
Beryllium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,NC,VA
Calcium	CT,NH,NY,ME,NC,VA
Chromium	CT,NH,NY,ME,NC,VA
Cobalt	CT,NH,NY,ME,NC,VA
Copper	CT,NH,NY,ME,NC,VA
Iron	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,AIHA,ME,NC,VA
Magnesium	CT,NH,NY,ME,NC,VA
Manganese	CT,NH,NY,ME,NC,VA
Nickel	CT,NH,NY,ME,NC,VA
Potassium	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,NC,VA
Silver	CT,NH,NY,ME,NC,VA
Sodium	CT,NH,NY,ME,NC,VA
Thallium	CT,NH,NY,ME,NC,VA
Vanadium	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,NC,VA
SW-846 6010C in Water	
Aluminum	CT,NH,NY,ME,VA
Antimony	CT,NH,NY,ME,NC,VA
Arsenic	CT,NH,NY,ME,NC,VA
Barium	CT,NH,NY,ME,NC,VA
Beryllium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,NC,VA
Calcium	CT,NH,NY,ME,NC,VA
Chromium	CT,NH,NY,ME,NC,VA
Cobalt	CT,NH,NY,ME,NC,VA
Copper	CT,NH,NY,ME,NC,VA
Iron	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,NC,ME,VA
Magnesium	CT,NH,NY,ME,NC,VA
Manganese	CT,NH,NY,ME,NC,VA
Nickel	CT,NH,NY,ME,NC,VA
Potassium	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,NC,VA
Silver	CT,NH,NY,ME,NC,VA
Sodium	CT,NH,NY,ME,NC,VA
Thallium	CT,NH,NY,NC,VA
Vanadium	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,NC,VA
SW-846 7470A in Water	

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NY,ME,NH,VA
Acrylonitrile	CT,NY,ME,NH,VA
tert-Amyl Methyl Ether (TAME)	NY,ME,NH,VA
Benzene	CT,NY,ME,NH,VA
Bromochloromethane	NY,ME,NH,VA
Bromodichloromethane	CT,NY,ME,NH,VA
Bromoform	CT,NY,ME,NH,VA
Bromomethane	CT,NY,ME,NH,VA
2-Butanone (MEK)	CT,NY,ME,NH,VA
tert-Butyl Alcohol (TBA)	NY,ME,NH,VA
n-Butylbenzene	NY,ME,VA
sec-Butylbenzene	NY,ME,VA
tert-Butylbenzene	NY,ME,VA
tert-Butyl Ethyl Ether (TBEE)	NY,ME,NH,VA
Carbon Disulfide	CT,NY,ME,NH,VA
Carbon Tetrachloride	CT,NY,ME,NH,VA
Chlorobenzene	CT,NY,ME,NH,VA
Chlorodibromomethane	CT,NY,ME,NH,VA
Chloroethane	CT,NY,ME,NH,VA
Chloroform	CT,NY,ME,NH,VA
Chloromethane	CT,NY,ME,NH,VA
2-Chlorotoluene	NY,ME,NH,VA
4-Chlorotoluene	NY,ME,NH,VA
Dibromomethane	NY,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,ME,NH,VA
trans-1,4-Dichloro-2-butene	NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH,VA
1,1-Dichloroethane	CT,NY,ME,NH,VA
1,2-Dichloroethane	CT,NY,ME,NH,VA
1,1-Dichloroethylene	CT,NY,ME,NH,VA
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NY,ME,NH,VA
1,2-Dichloropropane	CT,NY,ME,NH,VA
1,3-Dichloropropane	NY,ME,VA
2,2-Dichloropropane	NY,ME,NH,VA
1,1-Dichloropropene	NY,ME,NH,VA
cis-1,3-Dichloropropene	CT,NY,ME,NH,VA
trans-1,3-Dichloropropene	CT,NY,ME,NH,VA
Diisopropyl Ether (DIPE)	NY,ME,NH,VA
Ethylbenzene	CT,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Hexachlorobutadiene	CT,NY,ME,NH,VA
2-Hexanone (MBK)	CT,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NY,ME,VA
p-Isopropyltoluene (p-Cymene)	CT,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	CT,NY,ME,NH,VA
Methylene Chloride	CT,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA
Naphthalene	NY,ME,NH,VA
n-Propylbenzene	CT,NY,ME,NH,VA
Styrene	CT,NY,ME,NH,VA
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA
Tetrachloroethylene	CT,NY,ME,NH,VA
Toluene	CT,NY,ME,NH,VA
1,2,3-Trichlorobenzene	NY,ME,NH,VA
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NY,ME,NH,VA
1,1,2-Trichloroethane	CT,NY,ME,NH,VA
Trichloroethylene	CT,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA
1,2,3-Trichloropropane	NY,ME,NH,VA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY,VA
1,2,4-Trimethylbenzene	NY,ME,VA
1,3,5-Trimethylbenzene	NY,ME,VA
Vinyl Chloride	CT,NY,ME,NH,VA
m+p Xylene	CT,NY,ME,NH,VA
o-Xylene	CT,NY,ME,NH,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

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Rev 04.05.12

Page ____ of ____

Company Name: EA Engineering
Address: 6712 Brooklawn Parkway, Suite 103
Syracuse, NY 13211
Attention: Megan Miller
Project Location: Freeport, Long Island, NY
Sampled By:

Telephone: (315) 431-4610
Project #: 14907.09
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #:
Email: MMILLER@EAEST.COM
Format: ○ PDF ☒ EXCEL ○ GIS
☒ OTHER NYS EQUIS CAT B
☒ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code
	~~13-MW06-130110-MW-06-0513~~	20 May 2013			X	GW	1	3	H	V
01	130110-MW-06-0513	1020	5/19		X	GW		X	X	
02	130110-MW-09D-0513	1115	5/19							
03	130110-MW-09S-0513	1252	5/20							
04	130110-MW-10D-0513	1442	(MS/MSD) 5/20							
05	130110-MW-10S-0513	1518	5/19							
06	130110 MW-10M-0513	1602	5/20							
07	130110-MW-04-0513	1644	5/19							
08	130110-MW-DUP01-0513	—	5/20		—	—		—	—	
09	TRIP BLANK-01							X		

ANALYSIS REQUESTED
VOC by 8260
Metals/Mercury by 6010/7471

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL= sludge
O = other_____

Comments: MS/MSD collected @ MW-10D, All Samples collected 20 May 2013

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Fedex to UPS	21/May 0900
Received by: (signature) 24°C	Date/Time:
Rebecca Faust	5/20/13 1003
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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1ZF027480198339066

Updated: 05/22/2013 1:23 P.M. Eastern Time

Delivered

Delivered On:
Wednesday, 05/22/2013 at 10:03 A.M.

Left At:
Receiver

Signed By:
COLLINS

Proof of Delivery

Request Status Updates »

Shipping Information

To:
EAST LONGMEADOW, MA, US

Shipped By

UPS Next Day Air®

Additional Information

Shipped/Billed On:	05/15/2013
Type:	Package
UPS carbon neutral:	Yes
Weight:	35.00 lbs

Shipment Progress

What's This?

Location	Date	Local Time	Activity
W Springfield, MA, United States	05/22/2013	10:03 A.M.	Delivered
	05/22/2013	5:17 A.M.	Out For Delivery
	05/22/2013	4:37 A.M.	Arrival Scan
Hartford, CT, United States	05/22/2013	3:52 A.M.	Departure Scan
	05/22/2013	1:08 A.M.	Arrival Scan
Farmingville, NY, United States	05/21/2013	9:30 P.M.	Departure Scan
	05/21/2013	6:39 P.M.	Pickup Scan
	05/21/2013	9:20 A.M.	The shipment has been dropped off and is now at The UPS Store®.
United States	05/15/2013	10:01 A.M.	Order Processed: Ready for UPS

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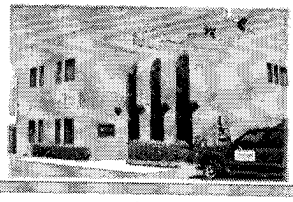

Sample Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: RLF DATE: 5/20/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

2) **Does the chain agree with the samples?** (Yes) No
If not, explain:

3) **Are all the samples in good condition?** (Yes) No
If not, explain:

4) **How were the samples received:**
On Ice [✓] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [✓]

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.4°C

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** (Yes) No N/A _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic	10	Plastic Bag / Ziploc	
40 mL Vial - type listed below	33	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 33 # Methanol _____ Time and Date Frozen:
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved

Appendix D

Data Usability Summary Reports

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
METAL ETCHING, FREEPORT, NEW YORK

Client: EA Engineering, Science & Technology, Inc., Syracuse, New York
SDG: 12K0749
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, Massachusetts
Site: Metal Etching, Freeport, New York
Date: February 5, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	130110-MW-06-1112	12K0749-01	Water
2	130110-MW-04-1112	12K0749-02	Water
3	130110-MW-10D-1112	12K0749-03	Water
4	130110-MW-10M-1112	12K0749-04	Water
4MS	130110-MW-10M-1112MS	12K0749-04MS	Water
4MSD	130110-MW-10M-1112MSD	12K0749-04MSD	Water
5	130110-MW-10S-1112	12K0749-05	Water
6	130110-MW-08D-1112	12K0749-06	Water
7	130110-MW-08S-1112	12K0749-07	Water
8	130110-MW-09D-1112	12K0749-08	Water
9	130110-MW-DUP-1112	12K0749-09	Water
10	130110-MW-09S-1112	12K0749-10	Water

A Data Usability Summary Review was performed on the analytical data for ten water samples collected on November 19 and 20, 2012 by EA Engineering at the Metal Etching site in Freeport, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"*.

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, October 2006: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- and the reviewer's professional judgment.

Organics

The following items/criteria were reviewed for this report:

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Duplicate (LCS/LCSD) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision

Overall Usability Issues:

There were several rejections of data. This data cannot be used in the decision-making process for this project.

- Tert-Butyl alcohol, 1,4-dioxane and tetrahydrofuran were rejected in all samples due low ICAL RRF values.

Overall the remaining data is acceptable for the intended purposes as qualified for the following deficiencies.

- Chloromethane and dichlorodifluoromethane were qualified as estimated in one sample due to low MS/MSD recoveries.
- 2-Hexanone and 4-methyl-2-pentanone were qualified as estimated in all samples due to low LCS recoveries.
- Four VOC compounds were qualified as estimated in all samples due to high continuing calibration %D values.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organics Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
4	tert-Butyl alcohol	OK/65.1%/OK	None - See ICAL
	Bromomethane	58.9%/OK/OK	None - See CCAL
	Chloromethane	41.0%/44.4%/OK	J/UJ
	trans-1,4-Dichloro-2-butene	66.2%/64.7%/OK	None - See LCS
	Dichlorodifluoromethane	42.6%/40.7%/OK	J/UJ
	1,4-Dioxane	58.4%/53.8%/OK	None - See ICAL

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B063413-BS1	Bromoform	68.5%	None	See CCAL
	1,2-Dibromo-3-chloropropane	63.1%	None	
	trans-1,4-Dichloro-2-butene	60.6%	None	
B063413-BS1 (cont)	2-Hexanone	69.5%	J/UJ	All Samples
	4-Methyl-2-pentanone	69.2%	J/UJ	

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC samples were not analyzed.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table presents compounds that exceeded 20 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
11/17/12	tert-Butyl alcohol	0.013 RRF	J/R	All Samples
	1,4-Dioxane	0.015 RRF	J/R	
	Tetrahydrofuran	0.049 RRF	J/R	

Continuing Calibration

- The following table presents compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
11/26/12	Bromoform	29.1%	J/UJ	All Samples
	Bromomethane	113%	J/UJ	
	tert-Butyl alcohol	0.012 RRF	None	See ICAL
	1,2-Dibromo-3-chloroproane	21.0%	J/UJ	All Samples
	trans-1,4-Dichloro-2-butene	23.6%	J/UJ	
	1,4-Dioxane	0.016 RRF	None	See ICAL
	Tetrahydrofuran	0.040 RRF	None	

Compound Quantitation

- Several samples were analyzed at a dilution due to high concentrations of target compounds.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

VOC				
Compound	130110-MW-09D-1112 ug/L	130110-MW-DUP-1112 ug/L	RPD	Qualifier
Acetone	250	310	21%	None
1,1-Dichloroethylene	2.0	2.0	0%	
cis-1,2-Dichloroethylene	530	470	12%	
trans-1,2-Dichloroethylene	2.3	2.3	0%	
Tetrachloroethylene	89	79	12%	
Trichloroethylene	180	170	6%	
Vinyl chloride	48	49	2%	

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Very truly yours,
Environmental Data Services, Inc.

Nancy Weaver 2/7/13

Nancy Weaver Date
Senior Chemist

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-06-1112 | Sampled: 11/19/2012 14:30

Sample ID: 12K0749-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-16~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
tert-Butylbenzene	1.1	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH

NW 2/5/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-06-1112 | Sampled: 11/19/2012 14:30

Sample ID: 12K0749-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,4-Dioxane	~~ND~~ R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Methyl tert-Butyl Ether (MTBE)	1.5	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		11/26/12 18:40
Toluene-d8	101	70-130		11/26/12 18:40
4-Bromofluorobenzene	101	70-130		11/26/12 18:40

NW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

2

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-04-1112
Sampled: 11/19/2012 15:26

Sample ID: 12K0749-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-16~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH

NW 2/5/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

2

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-04-1112
Sampled: 11/19/2012 15:26

Sample ID: 12K0749-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Tetrachloroethylene	2.0	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Trichloroethylene	1.0	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		11/26/12 16:03
Toluene-d8	102	70-130		11/26/12 16:03
4-Bromofluorobenzene	100	70-130		11/26/12 16:03

NW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

3

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10D-1112
Sampled: 11/19/2012 16:59

Sample ID: 12K0749-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-16~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH

NW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

3

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10D-1112
Sampled: 11/19/2012 16:59

Sample ID: 12K0749-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Methyl tert-Butyl Ether (MTBE)	1.1	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:29	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	111	70-130		11/26/12 16:29
Toluene-d8	100	70-130		11/26/12 16:29
4-Bromofluorobenzene	97.3	70-130		11/26/12 16:29

NW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

4

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10M-1112
Sampled: 11/20/2012 09:02

Sample ID: 12K0749-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-16~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Chloromethane	~~ND~~ UJ	2.0	µg/L	1	~~MS-07A~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~MS-09, V-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Dichlorodifluoromethane (Freon 12)	~~ND~~ UJ	2.0	µg/L	1	~~MS-07A~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH

NW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

4

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10M-1112
Sampled: 11/20/2012 09:02

Sample ID: 12K0749-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~MS-07A, V-16~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Methyl tert-Butyl Ether (MTBE)	2.9	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Tetrachloroethylene	2.5	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 16:56	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		11/26/12 16:56
Toluene-d8	103	70-130		11/26/12 16:56
4-Bromofluorobenzene	96.7	70-130		11/26/12 16:56

NW 2/5/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10S-1112 | Sampled: 11/20/2012 09:32

Sample ID: 12K0749-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	190	50	µg/L	1	~~V-06~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-16~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
cis-1,2-Dichloroethylene	1.4	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH

MW 2/5/13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-10S-1112 | Sampled: 11/20/2012 09:32

Sample ID: 12K0749-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:06	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	105	70-130		11/26/12 19:06
Toluene-d8	102	70-130		11/26/12 19:06
4-Bromofluorobenzene	98.8	70-130		11/26/12 19:06

NW 2/5/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08D-1112 | Sampled: 11/20/2012 10:31

Sample ID: 12K0749-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-T6~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
cis-1,2-Dichloroethylene	52	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH

MW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

6

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08D-1112
Sampled: 11/20/2012 10:31

Sample ID: 12K0749-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Tetrachloroethylene	1900	200	µg/L	200		SW-846 8260C	11/28/12	11/28/12 13:31	LBD
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Trichloroethylene	70	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
Vinyl Chloride	3.3	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.8	70-130		11/28/12 13:31
1,2-Dichloroethane-d4	110	70-130		11/26/12 17:22
Toluene-d8	103	70-130		11/28/12 13:31
Toluene-d8	101	70-130		11/26/12 17:22
4-Bromofluorobenzene	89.0	70-130		11/28/12 13:31
4-Bromofluorobenzene	98.9	70-130		11/26/12 17:22

NW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08S-1112
Sampled: 11/20/2012 11:08

Sample ID: 12K0749-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	74	50	µg/L	1	~~V-06~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-16~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
cis-1,2-Dichloroethylene	85	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH

NW 7/5/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

7

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-08S-1112
Sampled: 11/20/2012 11:08

Sample ID: 12K0749-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Methyl tert-Butyl Ether (MTBE)	1.5	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Tetrachloroethylene	100	20	µg/L	20		SW-846 8260C	11/28/12	11/28/12 14:02	LBD
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Trichloroethylene	140	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	97.7	70-130		11/28/12 14:02
1,2-Dichloroethane-d4	106	70-130		11/26/12 19:32
Toluene-d8	106	70-130		11/28/12 14:02
Toluene-d8	98.4	70-130		11/26/12 19:32
4-Bromofluorobenzene	98.2	70-130		11/26/12 19:32
4-Bromofluorobenzene	93.6	70-130		11/28/12 14:02

NW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

8

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09D-1112
Sampled: 11/20/2012 12:02

Sample ID: 12K0749-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	250	50	µg/L	1	~~V-06~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-T6~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1-Dichloroethylene	2.0	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
cis-1,2-Dichloroethylene	530	50	µg/L	50		SW-846 8260C	11/28/12	11/28/12 14:32	LBD
trans-1,2-Dichloroethylene	2.3	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

8

Project Location: Freeport, NY | Sample Description: | Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09D-1112 | Sampled: 11/20/2012 12:02

Sample ID: 12K0749-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
2-Hexanone (MBK)	ND UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
4-Methyl-2-pentanone (MIBK)	ND UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Tetrachloroethylene	89	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Tetrahydrofuran	ND R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Trichloroethylene	180	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
Vinyl Chloride	48	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 17:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		11/26/12 17:48
1,2-Dichloroethane-d4	95.0	70-130		11/28/12 14:32
Toluene-d8	102	70-130		11/26/12 17:48
Toluene-d8	105	70-130		11/28/12 14:32
4-Bromofluorobenzene	88.2	70-130		11/28/12 14:32
4-Bromofluorobenzene	98.0	70-130		11/26/12 17:48

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9

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-DUP-1112
Sampled: 11/19/2012 00:00

Sample ID: 12K0749-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	310	50	µg/L	1	~~V-06~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-16~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1-Dichloroethylene	2.0	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
cis-1,2-Dichloroethylene	470	50	µg/L	50		SW-846 8260C	11/28/12	11/28/12 15:02	LBD
trans-1,2-Dichloroethylene	2.3	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH

MW 2/5/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

9

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-DUP-1112
Sampled: 11/19/2012 00:00

Sample ID: 12K0749-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Tetrachloroethylene	79	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Trichloroethylene	170	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
Vinyl Chloride	49	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 18:14	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	107	70-130		11/26/12 18:14
1,2-Dichloroethane-d4	96.2	70-130		11/28/12 15:02
Toluene-d8	105	70-130		11/28/12 15:02
Toluene-d8	100	70-130		11/26/12 18:14
4-Bromofluorobenzene	93.5	70-130		11/28/12 15:02
4-Bromofluorobenzene	97.8	70-130		11/26/12 18:14

NW 2/5/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

10

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09S-1112
Sampled: 11/19/2012 12:45

Sample ID: 12K0749-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	1700	50	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Acrylonitrile	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromoform	~~ND~~ UJ	1.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
2-Butanone (MEK)	ND	20	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~R-05, V-T6~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
trans-1,4-Dichloro-2-butene	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1-Dichloroethylene	1.8	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
cis-1,2-Dichloroethylene	1300	50	µg/L	50		SW-846 8260C	11/28/12	11/28/12 15:33	LBD
trans-1,2-Dichloroethylene	4.7	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

10

Project Location: Freeport, NY
Sample Description:
Work Order: 12K0749

Date Received: 11/21/2012

Field Sample #: 130110-MW-09S-1112
Sampled: 11/19/2012 12:45

Sample ID: 12K0749-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,4-Dioxane	ND R	50	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Methyl tert-Butyl Ether (MTBE)	1.1	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
4-Methyl-2-pentanone (MIBK)	~~ND~~ UJ	10	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Naphthalene	ND	2.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Tetrahydrofuran	~~ND~~ R	10	µg/L	1	~~V-16~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	~~R-05~~	SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Trichloroethylene	5.2	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
Vinyl Chloride	290	100	µg/L	50		SW-846 8260C	11/28/12	11/28/12 15:33	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	11/26/12	11/26/12 19:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.9	70-130		11/28/12 15:33
1,2-Dichloroethane-d4	103	70-130		11/26/12 19:58
Toluene-d8	105	70-130		11/28/12 15:33
Toluene-d8	99.6	70-130		11/26/12 19:58
4-Bromofluorobenzene	91.6	70-130		11/28/12 15:33
4-Bromofluorobenzene	97.3	70-130		11/26/12 19:58

NW 2/5/13

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
METAL ETCHING, FREEPORT, LONG ISLAND, NEW YORK

Client: EA Engineering, Science & Technology, Inc., Syracuse, New York
SDG: 13E0755
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, Massachusetts
Site: Metal Etching, Freeport, Long Island, New York
Date: July 17, 2013

VOC			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	130110-MW-06-0513	13E0755-01	Water
2	130110-MW-09D-0513	13E0755-02	Water
3	130110-MW-09S-0513	13E0755-03	Water
4	130110-MW-10D-0513	13E0755-04	Water
4MS	130110-MW-10D-0513MS	13E0755-04MS	Water
4MSD	130110-MW-10D-0513MSD	13E0755-04MSD	Water
5	130110-MW-10S-0513	13E0755-05	Water
6	130110-MW-10M-0513	13E0755-06	Water
7	130110-MW-04-0513	13E0755-07	Water
8	130110-MW-DUP01-0513	13E0755-08	Water
9	TRIP BLANK-01	13E0755-09	Water

A Data Usability Summary Review was performed on the analytical data for eight water samples and one aqueous trip blank sample collected on May 20, 2013 by EA Engineering at the Metal Etching site in Freeport, Long Island, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"* and the *Standard Methods for the Examination of Water and Wastewater.*

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, August 2008: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision

Overall Usability Issues:

There was minor rejection of data. This data cannot be used in the decision-making process for this project.

- tert-Butyl alcohol and 1,4-dioxane were rejected in all samples due to low initial calibration RRF values.
- 1,2-Dichloro-3-chloropropane was rejected in two samples due to a low continuing calibration RRF value.

Overall the remaining data is acceptable for the intended purposes as qualified for the following deficiencies.

- Three compounds were qualified as estimated in one sample due to low MS/MSD recoveries.
- Bromomethane was qualified as estimated in two samples due to a low LCS recovery.
- Several compounds were qualified as estimated in all samples due to high continuing calibration %D values.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organics Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier	Affected Sample
4	Bromomethane	40.9%/41.2%/OK	J/UJ	4
	Chloromethane	50.6%/43.6%/OK	J/UJ	
	Dichlorodifluoromethane	66.0%/65.4%/OK	J/UJ	

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B073676-BS1	Bromomethane	35.5%	J/UJ	2, 3

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of acetone, 2-butanone and methylene chloride (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/L	Action Level ug/kg	Qualifier	Affected Samples
TRIP BLANK-01	ND	-	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table presents compounds that exceeded 20 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
05/17/13	tert-Butyl alcohol	0.016 RRF	J/R	All Samples
	1,4-Dioxane	0.002 RRF	J/R	

Continuing Calibration

- The following table presents compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/23/13	tert-Butyl alcohol	34.8%/0.002 RRF	None	See ICAL
	1,2-Dibromo-3-chloropropane	21.7%	J/UJ	1, 4-9
	1,4-Dioxane	0.002 RRF	None	See ICAL
	2-Hexanone	20.7%	J/UJ	1, 4-9
	Naphthalene	24.5%	J/UJ	
	1,2,3-Trichlorobenzene	27.4%	J/UJ	
05/24/13	tert-Butyl alcohol	0.017 RRF	None	See ICAL
	Chloromethane	31.1%	J/UJ	2, 3
	1,2-Dibromo-3-chloropropane	0.047 RRF	J/R	
	1,4-Dioxane	0.002 RRF	None	See ICAL

Compound Quantitation

- EDS Sample ID #1 exhibited elevated reporting limits for all volatile compounds due to foaming in the sample matrix.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. Their precision was acceptable.

VOC				
Compound	130110-MW-10D-0513 ug/L	130110-MW-DUP01-0513 ug/L	RPD	Qualifier
None	ND	ND	-	-

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Very truly yours,
Environmental Data Services, Inc.

Nancy Weaver 7/18/13

Nancy Weaver Date
Senior Chemist

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY
Sample Description:
Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-06-0513
Sampled: 5/20/2013 10:20

Sample ID: 13E0755-01

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Bromomethane	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	40	µg/L	2	~~V-16~~	SW-846 8260C	5/23/13	5/24/13 0:04	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Chloromethane	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH

NW 7/17/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY Sample Description: Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-06-0513 Sampled: 5/20/2013 10:20

Sample ID: 13E0755-01

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,4-Dioxane	~~ND~~ R	100	µg/L	2	~~X-16~~	SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
2-Hexanone (MBK)	~~ND~~ UJ	20	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Isopropylbenzene (Cumene)	2.8	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Methyl tert-Butyl Ether (MTBE)	3.0	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Naphthalene	~~ND~~ UJ	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2,3-Trichlorobenzene	~~ND~~ UJ	10	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Trichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C	5/23/13	5/24/13 0:04	EEH

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	94.3	70-130			5/24/13 0:04
Toluene-d8	97.7	70-130			5/24/13 0:04
4-Bromofluorobenzene	109	70-130			5/24/13 0:04

NW 7/17/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

2

Project Location: Freeport, Long Island, NY
Sample Description:
Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09D-0513
Sampled: 5/20/2013 11:15

Sample ID: 13E0755-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Benzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromodichloromethane	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Bromomethane	~~ND~~ UJ	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	40	µg/L	2	~~V-16~~	SW-846 8260C	5/24/13	5/24/13 13:48	EEH
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Chloromethane	~~ND~~ UJ	4.0	µg/L	2	~~V-05~~	SW-846 8260C	5/24/13	5/24/13 13:48	EEH
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ R	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
cis-1,2-Dichloroethylene	12	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH

NW 7/17/13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY Sample Description: Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09D-0513 Sampled: 5/20/2013 11:15

Sample ID: 13E0755-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,4-Dioxane	~~ND~~ R	100	µg/L	2	~~V-16~~	SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Naphthalene	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Styrene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Tetrachloroethylene	160	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Toluene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Trichloroethylene	27	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C	5/24/13	5/24/13 13:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	93.3	70-130		5/24/13 13:48
Toluene-d8	99.8	70-130		5/24/13 13:48
4-Bromofluorobenzene	106	70-130		5/24/13 13:48

NW 7/17/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

3

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09S-0513 | Sampled: 5/20/2013 12:52

Sample ID: 13E0755-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~V-16~~	SW-846 8260C	5/24/13	5/24/13 13:22	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Chloromethane	~~ND~~ UJ	2.0	µg/L	1	~~V-05~~	SW-846 8260C	5/24/13	5/24/13 13:22	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ R	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH

NW 7/17/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

3

Project Location: Freeport, Long Island, NY Sample Description: Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-09S-0513 Sampled: 5/20/2013 12:52

Sample ID: 13E0755-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,4-Dioxane	ND R	50	µg/L	1	V-16	SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/24/13	5/24/13 13:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.7	70-130		5/24/13 13:22
Toluene-d8	101	70-130		5/24/13 13:22
4-Bromofluorobenzene	107	70-130		5/24/13 13:22

NW 7/17/13

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ANALYTICAL LABORATORY

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4

Project Location: Freeport, Long Island, NY Sample Description: Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10D-0513 Sampled: 5/20/2013 14:42

Sample ID: 13E0755-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Bromomethane	~~ND~~ UJ	2.0	µg/L	1	MS-07A	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Chloromethane	~~ND~~ UJ	2.0	µg/L	1	MS-07A	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Dichlorodifluoromethane (Freon 12)	~~ND~~ UJ	2.0	µg/L	1	MS-07A	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH

NW 7/17/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

4

Project Location: Freeport, Long Island, NY
Sample Description:
Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10D-0513
Sampled: 5/20/2013 14:42

Sample ID: 13E0755-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,4-Dioxane	~~ND~~ R	50	µg/L	1	~~Y-16~~	SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Naphthalene	~~ND~~ UJ	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2,3-Trichlorobenzene	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	93.6	70-130		5/23/13 20:33
Toluene-d8	100	70-130		5/23/13 20:33
4-Bromofluorobenzene	104	70-130		5/23/13 20:33

NW 7/17/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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Project Location: Freeport, Long Island, NY Sample Description: Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10S-0513 Sampled: 5/20/2013 15:18

Sample ID: 13E0755-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/23/13 20:59	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH

NW 7/17/13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10S-0513 | Sampled: 5/20/2013 15:18

Sample ID: 13E0755-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,4-Dioxane	~~ND~~ R	50	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Naphthalene	~~ND~~ UJ	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2,3-Trichlorobenzene	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 20:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	94.3	70-130		5/23/13 20:59
Toluene-d8	96.1	70-130		5/23/13 20:59
4-Bromofluorobenzene	103	70-130		5/23/13 20:59

NW 7/17/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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Project Location: Freeport, Long Island, NY
Sample Description:
Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10M-0513
Sampled: 5/20/2013 16:02

Sample ID: 13E0755-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
tert-Butyl Alcohol (TBA)	32 J	20	µg/L	1	~~V-06, V-16~~	SW-846 8260C	5/23/13	5/23/13 21:26	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH

NW 7/17/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY Sample Description: Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-10M-0513 Sampled: 5/20/2013 16:02

Sample ID: 13E0755-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,4-Dioxane	~~ND~~ R	50	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Methyl tert-Butyl Ether (MTBE)	3.0	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Naphthalene	~~ND~~ UJ	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2,3-Trichlorobenzene	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:26	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.3	70-130		5/23/13 21:26
Toluene-d8	101	70-130		5/23/13 21:26
4-Bromofluorobenzene	106	70-130		5/23/13 21:26

NW 7/17/13

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

7

Project Location: Freeport, Long Island, NY
Sample Description:
Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-04-0513
Sampled: 5/20/2013 16:44

Sample ID: 13E0755-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/23/13 21:52	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
cis-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH

NW 7/17/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

7

Project Location: Freeport, Long Island, NY Sample Description: Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-04-0513 Sampled: 5/20/2013 16:44

Sample ID: 13E0755-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,4-Dioxane	~~ND~~ R	50	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Naphthalene	~~ND~~ UJ	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2,3-Trichlorobenzene	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 21:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.0	70-130		5/23/13 21:52
Toluene-d8	99.6	70-130		5/23/13 21:52
4-Bromofluorobenzene	104	70-130		5/23/13 21:52

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

8

Project Location: Freeport, Long Island, NY
Sample Description:
Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-DUP01-0513
Sampled: 5/20/2013 00:00

Sample ID: 13E0755-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/24/13 1:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH

NW 7/17/13

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY Sample Description: Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: 130110-MW-DUP01-0513 Sampled: 5/20/2013 00:00

Sample ID: 13E0755-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,4-Dioxane	~~ND~~ R	50	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Naphthalene	~~ND~~ UJ	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2,3-Trichlorobenzene	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/24/13 1:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	94.1	70-130		5/24/13 1:49
Toluene-d8	99.6	70-130		5/24/13 1:49
4-Bromofluorobenzene	101	70-130		5/24/13 1:49

NW 7/17/13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY
Sample Description:
Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: Trip Blank-01
Sampled: 5/20/2013 00:00

Sample ID: 13E0755-09

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
tert-Butyl Alcohol (TBA)	~~ND~~ R	20	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/23/13 18:23	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH

NW 7/17/13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Freeport, Long Island, NY | Sample Description: | Work Order: 13E0755

Date Received: 5/22/2013

Field Sample #: Trip Blank-01 | Sampled: 5/20/2013 00:00

Sample ID: 13E0755-09

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,4-Dioxane	~~ND~~ R	50	µg/L	1	~~V-16~~	SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
2-Hexanone (MBK)	~~ND~~ UJ	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Naphthalene	~~ND~~ UJ	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2,3-Trichlorobenzene	~~ND~~ UJ	5.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/23/13	5/23/13 18:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	92.7	70-130		5/23/13 18:23
Toluene-d8	101	70-130		5/23/13 18:23
4-Bromofluorobenzene	106	70-130		5/23/13 18:23

NW 7/17/13

Appendix E

Daily Field Reports, Site Inspection Forms, and Hurricane Status Report

DAILY FIELD REPORT **Day: Monday** **Date: 11/19/12**

NYSDEC

Temperature: (F) NA (am) 50 (pm)

Wind Direction: NA (am) NNE (pm)

Weather: (am) NA
(pm) Cloudy

Project Name
Metal Etching Site
NYSDEC Site # 130110

Contract # D007624-09

Freeport, New York

Arrive at site 1130 (am)

Leave site: 1715 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes ( )	n/a (X)	* No ( )
	Waters	Yes ( )	n/a (X)	* No ( )
	Air	Yes ( )	n/a (X)	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Megan Miller and Pat Rook arrived onsite at 11:30am. Bob Casey was already there. Located and gauged nine of 11 wells. Two wells, MW-01 and MW-05 were not located. Walked site to survey effects of Superstorm Sandy. The marina was closed today, so was not able to enter the site buildings. Both SSDS systems appeared to be off. Purged and sampled monitoring wells MW-06, MW-04, and MW-10D using low-flow techniques with a submersible pump. Decontaminated the pump and water level meter between each well. Left the site at 1715.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
130110-MW-06		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide
130110-MW-04		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide
130110-MW-10D		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

- N/A

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- Could not locate MW-01 and MW-05. Records indicate these wells were not located during 2010 sampling event, prior to construction.

COMMENTS:

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: *Megan Miller*

cc:

DAILY FIELD REPORT **Day: Tuesday** **Date: 11/20/12**

NYSDEC

Temperature: (F) 48 (am) 53 (pm)

Wind Direction: NNE (am) NNE (pm)

Weather: (am) Sunny
(pm) Sunny

Project Name
Metal Etching Site
NYSDEC Site # 130110

Contract # D007624-09

Freeport, New York

Arrive at site 715 (am)

Leave site: 1330 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Megan Miller and Pat Rook arrived onsite at 0715am. Bob Casey arrived at 0800am. Site was closed up-went to main office to get someone to open the gate. Purged and sampled monitoring wells MW-10M, MW-10S, MW-8D, MW-8S, MW9D, and MW-9S using low-flow techniques with a submersible pump. Decontaminated the pump and water level meter between each well. Did general site inspection and Hurricane Project Status Report (separate documents). Bob Casey spoke with Eric (marina employee) who stated that the heat had not been used in the office building since the superstorm, which was in late October. Soil vapor sampling will not be done at this time. Bob Casey left the site at 0900am. Pat and Megan left the site at 1330.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
130110-MW-10M		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide (MS/MSD VOCs/Metals only)
130110-MW-10S		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide
130110-MW-8D		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide
130110-MW-8S		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide
130110-MW-9D		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide
130110-MW-9S		GW VOCs, Metals/Mercury, Chloride, Sulfate, Nitrate, Sulfide (Duplicate VOCs/Metals only)

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

- N/A

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- Heat has not been used in either of the buildings with the SSDSs- will need to do soil vapor sampling during next event or as an independent event during the heating season.

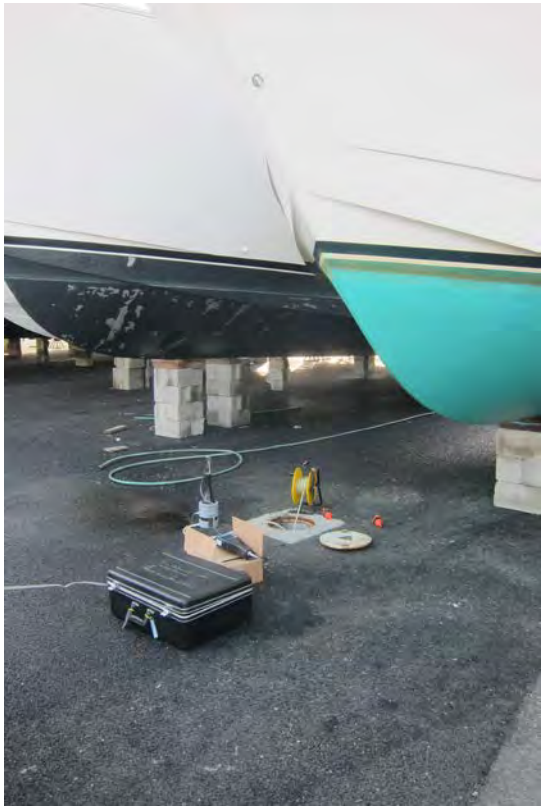
COMMENTS:

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: *Megan Miller*

cc:



DAILY FIELD REPORT

Day: Monday Date: 20 May 2013

Temperature: (F)	60	(am)	71	(pm)
Wind Direction:	S 0-4 mph	(am)	S 8-10 mph	(pm)

Project Name
Metal Etching Site (130110)

Weather: (am) Fog/mist
(pm) Mostly cloudy, some sun

Contract #: D007624-09
Freeport, New York

Arrive at site 0800 (am)
Leave site: 1800 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (X)	* No ( )
Waters	Yes ( )	n/a (X)	* No ( )
Air	Yes ( )	n/a (X)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (X)
Photos Taken: Yes (X) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

C. Schroer and M. Russo on-site at 0800. Gate closed. Called contact phone number. No answer. Contacted M. Miller regarding marina entrance/office location. Spoke with contact and opened gate. Located and gauged wells. MW-8 cluster was apparently covered with ~12" concrete slab and sprung structure containing boat painting equipment. Notified M. Miller.

Began sampling at MW-06. Grundfos pump stopped working at MW-09S and EA switched to peristaltic pump to complete low-flow purge of monitoring wells. Samples collected at each well with dedicated bailer.

Completed sampling at 1644. EA completed site inspection.

Photographs will be included with completed site inspection form.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
130110-MW-06-0513		Groundwater grab sample
130110-MW-09D-0513		Groundwater grab sample
130110-MW-09S-0513		Groundwater grab sample (DUP01)
130110-MW-10D-0513		Groundwater grab sample (MS/MSD)
130110-MW-10S-0513		Groundwater grab sample
130110-MW-10M-0513		Groundwater grab sample
130110-MW-04-0513		Groundwater grab sample

DAILY FIELD REPORT **Day: Monday Date: 20 May 2013**

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Chris Schroer and Mary Russo

Contractor equipment: Truck, Horiba U-52, Grundfos pump, peristaltic pump.

VISITORS TO SITE:

None.

PROJECT SCHEDULE ISSUES:

- None

PROJECT BUDGET ISSUES:

- None.

ITEMS OF CONCERN:

- Concrete slab and boat painting sprung structure over MW-08 cluster. Unknown if decommissioned properly

COMMENTS:

ATTACHMENT(S) TO THIS REPORT:

None.

SITE REPRESENTATIVE:

Name: Chris Schroer

Signature:

DAILY FIELD REPORT

Day: Friday **Date: 7-26-13**

Temperature: (F) 75 (am) 84 (pm)

Wind Direction: North (am) (pm)

Project Name
Metal Etching Site (130110)

Weather: Overcast (am)
Overcast (pm)

Contract #: D007624-09

Freeport, New York

Arrive at site 0745 (am)
Leave site: 1345 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?				
	Soil	Yes (x)	n/a ( )	* No ( )
	Waters	Yes (x)	n/a ( )	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes (x) No ( )
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

Arrived onsite at 7:45 am. Dennis and Bruce from Clearwater Drilling, Inc. with X-ray Utility Services arrived at 7:45 am. Identified locations for the installation of monitoring wells MW-05R, MW-08SR, and MW-08DR (see site sketch, attached). Spoke with Eric (yard manager) at 8:30 am. He stated that a concrete ramp was going to be installed at entrance of recently installed tent structure. The tent structure is located on the west side of the maintenance building (the structure is not shown in aerial photo). Placed MW-08SR and MW-08-DR away from future ramp location, south of space between maintenance building and tent. MW-05R was installed to 13.5 ft bgs, MW-08DR was installed to 31.5 ft bgs, and MW-08SR was installed to 13.5 ft bgs using hollow stem augers. All wells were installed as flush-mount. See boring logs, attached, for installation details. Well installation was complete at 12:30 pm. Drums were stored along the gate behind the portajohn on the northern side of the site (see attached sketch). All left the site at 13:45 pm.

PROJECT TOTALS: N/A

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Contractor and personnel: Mary Russo, EA Engineering; Dennis and Bruce, Clearwater Drilling Inc.

Contractor equipment: Interface probe

VISITORS TO SITE:

NA

DAILY FIELD REPORT **Day: Friday Date: 7-26-13**

PROJECT SCHEDULE ISSUES:

- NA

PROJECT BUDGET ISSUES:

- NA

ITEMS OF CONCERN:

- NA

COMMENTS:

ATTACHMENT(S) TO THIS REPORT:

PDF of approximate well locations. Photos of well locations.

SITE REPRESENTATIVE:

Name: Mary Russo

Signature: Mary Russo

Photographs

Locations of MW-08SR and MW-08DR

FREEPORT METAL ETCHING
SITE MANAGEMENT PLAN
FREEPORT, NEW YORK

FIGURE 12
Groundwater Monitoring
Well Network

0 25 50 100 Feet

Source: NYS GIS Clearing House

Legend

- Existing Monitoring Wells
- New Monitoring Wells

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	PROJECT NO:	DATE:	SCALE:	FILE NO:
RSC	RSC	MEM	RSC	14474.37	AUGUST 2012	AS SHOWN	G:\MegalEtching\SMP\Fig12

Hurricane Project Status Report

Project Information

Site Name: __Metal Etching 11/20/12_____

Address: ____South Main St. Freeport, NY_____

DEC PM Name: ___Dave Chiusano_____

Site Primary Contact Name and No.: ___Dante Grover_____

Site Alternate Contact Name and No.: __Eric_____

Damage and Release Assessment

Does the project have stockpiles? (Yes/No) ____No_____

Are the stockpiles damaged? (Yes/No) _____NA_____

If yes, please provide photographs. Has the damage been repaired? (Yes/No) __ NA_____

Did soil from the project site move offsite? (Yes/No) __No_____

If yes, please describe the approximate volume, nature of impact and area of impact (mud in roads, etc.). Also provide photograph. _____

_____

Was there any erosion damage? ___No_____

_____

Are there any onsite contaminant exposures caused by the storm? ___No_____

_____

Status of stockpiles:____NA_____

_____

Was the excavation damaged?____NA_____

_____

Were there any onsite spill or other releases not described above? __No_____

_____

Spill reported to DEC yet? ___NA_____

Have all active remedial systems (GW pump and treatment, SVE/AS, SSDS) been checked and verified to be operating properly? __SSDSs- Not operating currently, though no apparent damage to systems. The heat is not currently being used in site buildings and they are not currently occupied while closed up- warehouse building is used, though only when garage door is open. Both systems need new manometers and DEC stickers.___

Was any remedial equipment (pumps, blowers, etc) flooded/damaged by the storm? General Debris cleanup by property managers

What corrective actions have been implemented?__None_____

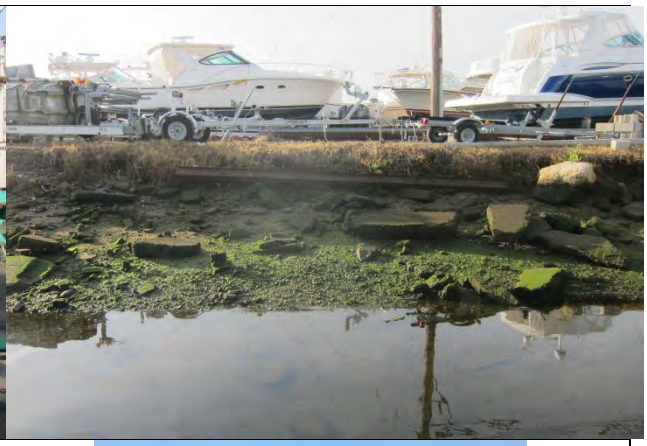
_____

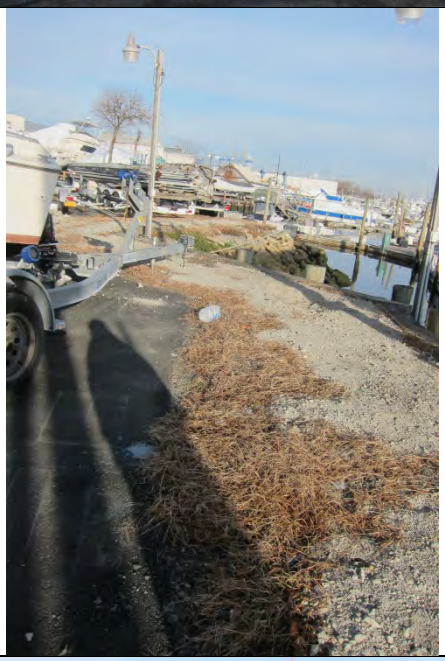
What corrective actions are planned? SSDS termination sampling will be completed; based upon the results of that data, a recommendation for system decommissioning or replacement/repairs will be made.

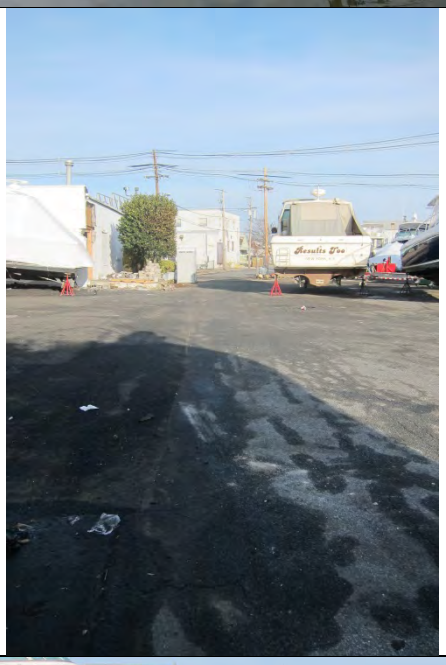
What is the schedule for corrective actions? Termination sampling is scheduled to take place during the 2013-2014 heating season.

Have any environmental response been made (i.e. spills)? Any other pertinent information to report? ___NA_____

Please complete this report and email it back with **PHOTOGRAPHS** of impacted areas to your assigned DEC Project Manager.







SITE-WIDE INSPECTION **Day: ___Tuesday____Date: ____11/20/12____**

NYSDEC		Temperature: (F)	48	(am)	53	(pm)
		Wind Direction:	NNE	(am)	NNE	(pm)
METAL ETCHING SITE		Weather:	(am) Sunny			
NYSDEC Site # 130110			(pm) Sunny			
Contract #		Arrive at site	0715	(am)		
Freeport, New York		Leave site:	1330	(pm)		

Site Security

Evidence of vandalism (wells, protective cover damage):

None

Evidence of cover system intrusion (ruts, burrows, excavations):

Some small punctures to pervious pavement in southeast corner (see photo)

Evidence of penetrations (poles, posts, stakes):

None

General site condition (gates, access, storm drains):

Fence/gate surrounding site is intact. Fence currently opens manually, electric device is not functioning (likely due to Superstorm Sandy)

Additional Comments:

Asphalt Cover

Evidence of settlement, rutting, potholes:

One blowout of porous pavement identified west of the warehouse building (See photo)

Evidence of cracking, distortion, or disintegration:

None

Additional Comments:

Drainage System

Evidence of damage to storm drains:

Eastern drain- concrete is cracking. Both drains are about ½ full of debris

Evidence of stockpiles on porous pavement areas:

None

Evidence of ponding on porous pavement areas:

None

Evidence of spilled liquids:

No obvious spills, though there were likely spills as a result of Superstorm Sandy in late October.

Additional Comments:

Paint/debris observed on porous pavement which may reduce permeability, though no ponding observed at this time. Tested permeability using hose water and buckets- water infiltrated into pavement within seconds.

Sub-Slab Depressurization Systems

Are there any new cracks in the slab that have not been sealed? If so, describe:

Did not enter buildings.

Are there any new cracks in structure walls? If so, describe:

Warehouse has significant cracks in the walls (see photos), door is missing on east side.

Does system PVC pipe appear to be compromised in any way? If so, describe:

No

Does manometer read within range marked?

No- need new manometers on both systems

Is fan making any abnormal noises?

Both systems were observed to be off.

Is contact information on SSDS up to date?

No- need NYSDEC stickers for both systems

Has the building use changed since the last inspection?

The office is not currently used regularly due to the storm. The warehouse is used, but is only occupied when the garage door is wide open.

Has building heating, ventilation and air conditioning changed since the last inspection?

Heat has not been used in the office since the storm.

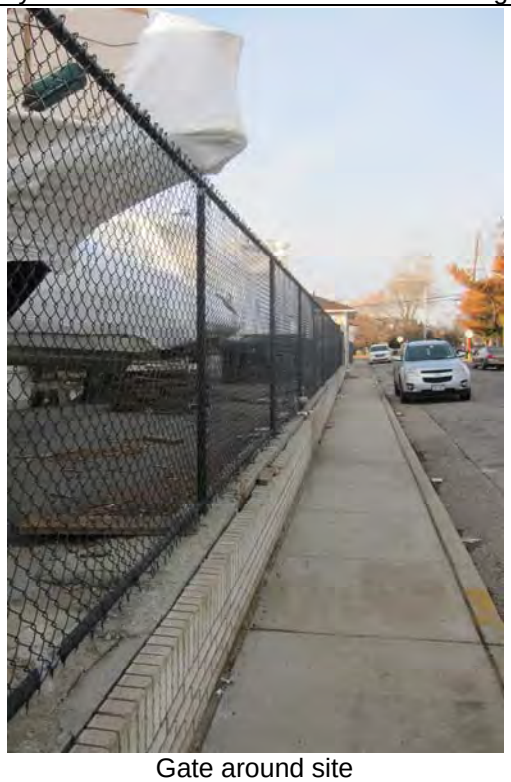
Inspection Photolog

Site entrance gate

Along the east side of the warehouse building

System on east side of warehouse building

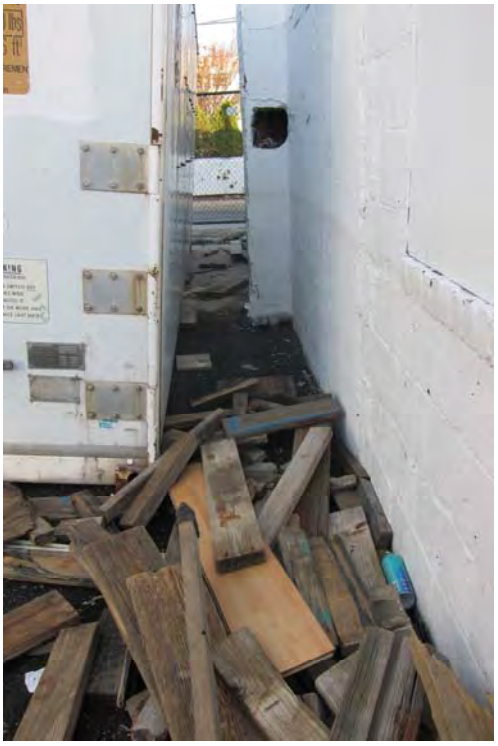
East side of warehouse building



Gate around site

West storm drain

General site condition



West side of warehouse building

Porous pavement blowout west of warehouse

General site condition

System on east side of office building

Fan slightly pulling away from building wall

Stone along southwest fenceline

Hole/pipe observed in southeast portion of site

Punctures observed in porous pavement in southeast corner of site- likely from marina operations

Hole observed in porous pavement in southeast corner of site- likely from marina operations

Storm drain on east side of site

SITE-WIDE INSPECTION **Day: Monday Date: 20 May 2013**

NYSDEC		Temperature: (F)	60	(am)	71	(pm)
		Wind Direction:	S	(am)	S	(pm)
METAL ETCHING SITE		Weather:	(am) Overcast/Light fog			
NYSDEC Site # 130110			(pm) Mostly cloudy, sunny periods			
Contract # D-007624.09		Arrive at site	0800	(am)		
Freeport, New York		Leave site:	1800	(pm)		

Site Security

Evidence of vandalism (wells, protective cover damage):

None

Evidence of cover system intrusion (ruts, burrows, excavations):

None

Evidence of penetrations (poles, posts, stakes):

None

General site condition (gates, access, storm drains):

Fence/gate surrounding site is intact. Fence currently opens manually, electric device is not functioning (likely due to Superstorm Sandy).

Additional Comments:

New sprung structure with ~12" concrete pad erected for boat painting. Structure is located adjacent to small garage and covers MW-08 cluster.

Asphalt Cover

Evidence of settlement, rutting, potholes:

None. Several boats are drydocked on concrete blocks and other support structures located on porous asphalt cover. May result in depressions and/or rutting.

Evidence of cracking, distortion, or disintegration:

None

Additional Comments:

Drainage System

Evidence of damage to storm drains:

Eastern drain- concrete is cracking. Drain was clogged from early morning rain event. Completely drained by mid-afternoon.

Evidence of stockpiles on porous pavement areas:

None

Evidence of ponding on porous pavement areas:

None

Evidence of spilled liquids:

No obvious spills observed. Some sheen, cloudy water was observed on non-porous pavement surfaces. Pale yellow/green pollen also thickly coated wet/liquid surfaces.

Additional Comments:

Paint/debris observed on porous pavement which may reduce permeability, though no ponding observed at this time. Tested permeability using hose water and buckets- water infiltrated into pavement within seconds.

A new piling system is in place on the eastern side of the boatyard including new decking and access stairs.

Sub-Slab Depressurization Systems

Are there any new cracks in the slab that have not been sealed? If so, describe:

Did not enter buildings.

Are there any new cracks in structure walls? If so, describe:

None observed.

Does system PVC pipe appear to be compromised in any way? If so, describe:

Warehouse system pvc is no longer in line to the building. Window was repaired and pipe was removed. See photos. Office building pipe is in place, fan not currently on.

Does manometer read within range marked?

NA

Is fan making any abnormal noises?

NA

Is contact information on SSDS up to date?

No- need NYSDEC stickers for both systems

Has the building use changed since the last inspection?

The office is in use as an office building once again (was not used following Superstorm Sandy due to flooding). The warehouse is used, but is only occupied when the garage door is wide open.

Has building heating, ventilation and air conditioning changed since the last inspection?

Unknown.

Inspection Photolog

Site entrance gate- operates manually, does not lock

Perimeter fence is intact

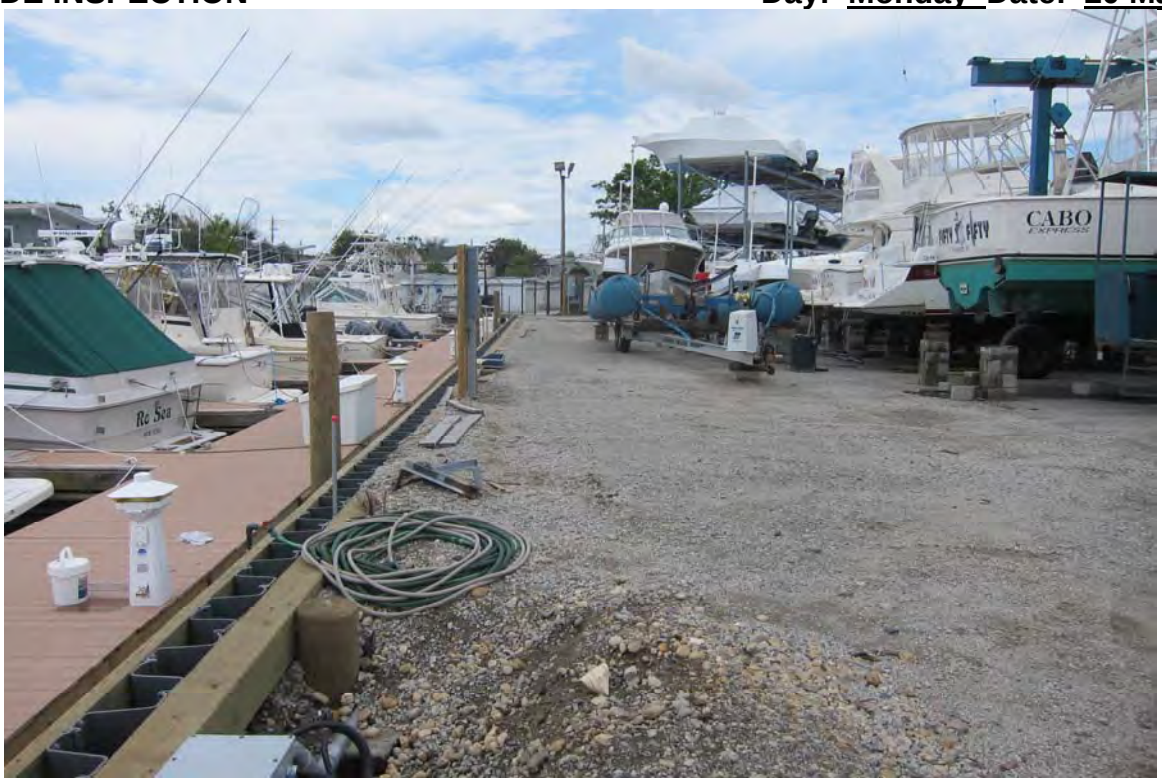
Western storm drain appears to be fully functional, no ponding following prior rain events.

Eastern storm drain clogged from recent storm event

Eastern bulkhead area

New sprung structure with an approximately 12” concrete slab on top of the existing asphalt. A boat was inside in the process of being repainted.

The boatyard was crowded with several boats drydocked and propped up by various methods including steel supports, concrete blocks, and wood piers.



Southeastern piling system

Overview of porous pavement- limited ponding

Southeastern corner area

MW-9 cluster looking west


System on warehouse building is no longer operational. Window has been repaired and pipe has been removed.


System on office building appears to be operational, but is not currently in use.

Appendix F

Monitoring Well Installation and Development Forms

EA Engineering, Science, and Technology

3.5' = riser
4" augers

Job. No.	Client: NYSDEC
Location:	Freeport, NY
Drilling Method:	HSA
Sampling Method:	NA
Boring No.	MW-05R
Well Depth:	13.5'
Page	1 of 2
Screened Interval:	10'
Well Type:	PVC
Sand Interval:	2.5-13.5'
Screen Type/Size:	PVC slotted / 0.01 slot
Bentonite Interval:	1.5 - 2.5'
Sand Type:	Filpro #1
Well Diameter:	2 in
Bentonite Type:	cetco tablets
Date:	7-26-13
Start Drilling Date/Times	7/26/13 0900
Finish	7/26/13 1230
Water Level (fbg):	7.40
Surface Conditions:	asphalt

Interval	Sample Type	Driven / Recovered (ft.)	Casing Depth (ft)	Samp # / depth (ft)	HS PID (ppm)	USCS Class	FT BGS	SOIL DESCRIPTION
0-2'	NA	5'/NA	5'	1/0-5	NA		0	0-5': Black to dark brown med-coarse sand
							1	
2'-4'							2	
							3	
4'-6'							4	
	NA	5'/NA	10'	2/5-10'	NA		5	5-10': Black to dark brown m-c sand with little silt
6'-8'							6	
							7	
8'-10'							8	10-~~13.5~~ 15': SAA
							9	
10'-12'	NA	~~5'~~ 5'/NA	~~15'~~ 15'	3/10-~~13.5~~ 15'	NA		10	
							11	
12'-14'							12	
							13	Terminal Depth: ~~13.5'~~ 15'
14'-16'							14	
							15	
16'-18'							16	
							17	
18'-20'							18	
							19	

Logged by: M. Russo Date: 7-26-13

Drilling Contractor: Clear Water Driller: Dennis

EA Engineering, Science, and Technology

Job. No.	Client: NYSDEC	Location: Freeport, NY	
Drilling Method: HSA		Boring No. MW-08BR DR	
Sampling Method: NA		Page 1 of 2	
Well Depth: 31.5'		Well Type: PVC	
Screened Interval: 21.5 - 31.5'		Screen Type/Size: PVC / 10 slot	
Sand Interval: 6-13'; 19-31.5'		Sand Type: Filpro #1	
Bentonite Interval: 15-19'		Bentonite Type: Cetco 1/4" tablets	
Well Diameter: 2"			
Date: 7-26-13		Drilling Date/Times: Start 7/26/13 1015; Finish 7/26/13 1230	
Water Level (fbg): 3.35			
Surface Conditions: asphalt			

Interval	Sample Type	Driven / Recovered (ft.)	Casing Depth (ft)	Samp # / depth (ft)	HS PID (ppm)	USCS Class	FT BGS	SOIL DESCRIPTION
0-2'							0	0-5': brown to dark brown m-c sand little M. gravel
							1	
2'-4'							2	
							3	
4'-6'							4	
							5	5-10': SAA
6'-8'							6	
							7	
8'-10'							8	
							9	
10'-12'							10	10-15': Dark brown F-C sand; wet
							11	
12'-14'							12	
							13	
14'-16'							14	
							15	15'-20': dark brown M-C sand, little M. gravel: saturated
16'-18'							16	
							17	
18'-20'							18	
							19	

Logged by: M. Russo Date: 7-26-13

Drilling Contractor: CDJ Driller: Dennis

Interval	Sample Type	Driven / Recovered (ft.)	Casing Depth (ft)	Samp # / depth (ft)	HS PID (ppm)	USCS Class	FT BGS		SOIL DESCRIPTION
20'-22'							20		20-25': SAA, little fine gravel; saturated
							21		
22'-24'							22		
							23		
24'-26'							24		
							25		25-30': brown m-c sand, some F. gravel saturated
26'-28'							26		
							27		
28'-30'							28		
							29		
30'-32'							30		30-35': SAA
							31		
32'-34'							32		
							33		
34'-36'							34		
							35		term. depth: 35'
36'-38'							36		*well set @ 31.5'
							37		
38'-40'							38		
							39		
40'-42'							40		
							41		
42'-44'							42		
							43		
44'-46'							44		
							45		

Logged by: _____ Date: _____

Drilling Contractor: _____ Driller: _____

EA Engineering, Science, and Technology

Job. No.	Client: NYSDEC	Location: Freeport, NY	
Drilling Method: HSA		Boring No. MW-08BR SR	
Sampling Method: NA		Page 1 of 2	
Well Depth: 13.56'		Well Type: PVC	
Screened Interval: 3.5 - 13.56'		Screen Type/Size: slotted / 10 slot	
Sand Interval: 2.5 - 13.5'		Sand Type: Filpro #1	
Bentonite Interval: 1.5 - 2.5'		Bentonite Type: cetco tablets 3/4"	
Well Diameter: 2"			
Date: 7/26/13		Start: 7/26/13 1136	Drilling Date/Times	Finish: 7/26/13 1230
Water Level (fbg): 4.00			
Surface Conditions: asphalt			

Interval	Sample Type	Driven / Recovered (ft.)	Casing Depth (ft)	Samp # / depth (ft)	HS PID (ppm)	USCS Class	FT BGS	SOIL DESCRIPTION
0-2'							0	0-5': Brown to gray m-c sand
							1	
2'-4'							2	
							3	
4'-6'							4	
							5	5-10': SAA
6'-8'							6	
							7	
8'-10'							8	
							9	
10'-12'							10	10-15': SAA
							11	
12'-14'							12	
							13	
14'-16'							14	
							15	terminal depth: 15'
16'-18'							16	
							17	
18'-20'							18	
							19	

Logged by: M. Rosso Date: 7-26-13

Drilling Contractor: CDI Driller: Dennis

Location 435 So. Main St., Freeport NY Date 7-26-13

Project / Client Metal Etching / NYSDEC

Site: 435 S. Main St., Freeport, NY
Metal Etching

Geologist: Mary Russo

Vehicle: Explorer

conditions: 60's, overcast

work scope: install nested wells MW-08S + MW-08D and MW-05S.

0755 on-site

0758 speak w/ metal etching manager. Clearwater Drilling on-site (Dennis & Bruce). X-ray utility locating services on-site. Discuss plan.

0820 Gate to site opened Locate well locations and x-ray completes mark out.

0900 Begin drilling at MW-05R location.

1010 Move to MW-08DR location.

1136 Move to MW-08SR location.

Location 435 S. Main St, Freeport, NY Date 7-26-13

Project / Client Metal Etching / NYSDEC

MW-05R

Well Details:

2" pvc

screen = 3.5' - 13.5' // 0 slot

riser = 0-3.5'

Filpro #1 cement tablets (1/4") sand = 2.5' - 18-5'

bentonite = 1.5' - 2.5'

Soil description:

0-5': Asphalt 0-.5'

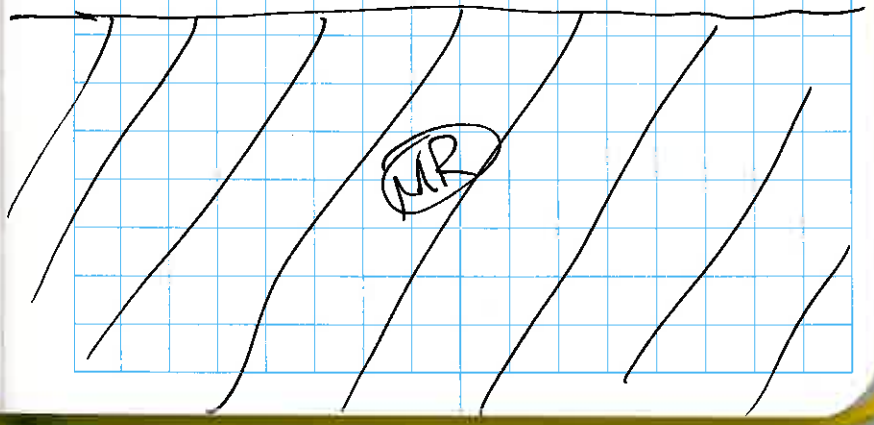
.5'-5' Black to dark brown m-c sand, little fine gravel

5-10': Black to dark brown m-c sand, some silt

10-~~15~~ MR 5': SAA

Terminal Depth: ~~13.5~~ MR 15'

* well set @ 13.5'



Location 435 S. Main St, Freeport, NY Date 7-26-13

Project / Client Metal Etching / NYSDEC

MW-08DR

Well Details:

2" pvc Backfill = 15-13'

screen: ~~20' 30'~~ 21.5-31.5'

riser: 0-20.5'

sand = 19-21.5', 0-13'

Bentonite = 15-19', .5-.8'

Soil Description:

0-5': 0-.5' Asphalt
.5-5': Brown to dark brown m-c sand, little m. gravel

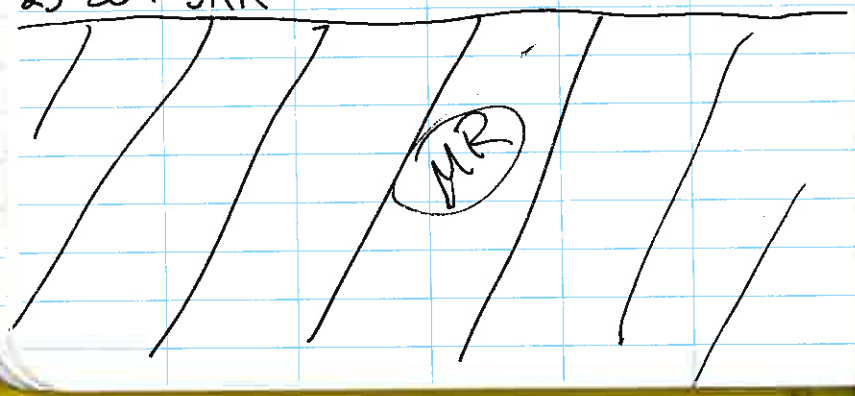
5-10': SAA

10-15': Dark brown f-c sand; wet

15'-20': Dark brown m-c sand, little m. gravel; saturated

20-25': SAA, little F. gravel

25-30': SAA



Location 435 S. Main St., Freeport, NY Date 7-26-13

Project / Client Metal Etching / NYSDEC

MW-08SR

Well Details

2" PVC

Screen = 3.5-13.5'

riser = 0-3.5'

sand = 2.5'-13.5'

Bentonite = 1.5-2.5'

Soil Description

0-5': 0-.5': asphalt
.5-5': Brown to gray m-c sand, little m. gravel

5-10': SAA

10-15': SAA

1217 Well GW Levels

	DTW	DTB
MW-08SR	13.00	13.36
MW-08DR	3.35	31.05
MW-05R	1.40	13.53

1230 Concrete well casings

1330 Clearwater Drilling offsite. Tell manager drilling complete.

1345 offsite

MR

FREEPORT METAL ETCHING
SITE MANAGEMENT PLAN
FREEPORT, NEW YORK

FIGURE 12
Groundwater Monitoring
Well Network

0 25 50 100 Feet

Source: NYS GIS Clearing House

Legend

- Existing Monitoring Wells
- New Monitoring Wells

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	PROJECT NO:	DATE:	SCALE:	FILE NO:
RSC	RSC	MEM	RSC	14474.37	AUGUST 2012	AS SHOWN	G:\MegalEtching\SMP\Fig12

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation:
Casing Below Surface:
Reference Elevation:
Reference Description:

Job. No.	Client:	NYSDEC	Location:
1490709	Project:	Freeport Metal Etching Site	Metal Etching Site, Freeport, NY

Drilling Method: Hollow Stem Auger
Soil Boring Number: MW-05R
Sampling Method: NA
Sheet 1 of 1

Water Level:	1.40				Drilling Start	Drilling Finish
Time:	12:17				DATE 7/26/13	DATE 7/26/13
Date:	26-Jul-13				TIME 09:00	TIME 10:11

Surface Conditions: asphalt
Weather: cloudy
Temperature: 65 deg

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppm)	Depth in Feet	
		Concrete / Collar		0	0-5': Black to dark brown medium coarse sand
		Bentonite / Chips		1	
				2	
				3	
				4	
				5	5-10': Black to dark brown m&c sand with little silt
		SCREEN		6	
				7	
		Filpro #1 Sand		8	
		PVC		9	
				10	10-15': SAA
		10 Slot		11	
				12	
				13	
				14	
				15	Terminal Depth: 15'
				16	
				17	
				18	
				19	
				20	
				21	
				22	
				23	
				24	
				25	
				26	
				27	
				28	
				29	

Monitoring Well Construction Information

Monitoring Well Diameter:	2	in		
Bottom of Monitoring Well:	13.5	ft bgs		
Stick Up or Flush Mount:	Flush Mount			
Screen Interval:	3.5	To	13.5	ft bgs
Riser Interval:	0	To	3.5	ft bgs
Sand Pack Interval:	2.5	To	15	ft bgs
Bentonite Seal:	1.5	To	2.5	ft bgs
Grout Interval:	0	To	1.5	ft bgs

Soil Vapor Point Installation Information

Depth of Soil Vapor Point:	ft
Bottom of Tubing:	ft
Top of Sand Pack:	ft
Top of Bentonite Seal:	ft

Logged by: M. Russo
Drilling Contractor: CDI
Date: 7/26/13
Driller: Dennis

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Job. No. 1490709	**Client:** NYSDEC		**Location:** Metal Etching Site, Freeport, NY
	Project: Freeport Metal Etching Site		
Drilling Method: Hollow Stem Auger			**Soil Boring Number:** MW-08SR
Sampling Method: NA			**Sheet 1 of 1**
Water Level:	4.00		**Drilling** Start: DATE 7/26/13 TIME 11:36 / Finish: DATE 7/26/13 TIME 12:30
Time:	12:18		
Date:	26-Jul-13		

Coordinates: Northing _____ Easting: _____
Surface Elevation:
Casing Below Surface:
Reference Elevation:
Reference Description:

Surface Conditions: asphalt
Weather: cloudy
Temperature: 65 deg

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppm)	Depth in Feet	
		Concrete / Bentonite / Filpro #1 Sand / 10 Slot PVC SCREEN / Collar / Chips		0	0-5': Brown to dark brown m-c sand
				1	
				2	
				3	
				4	
				5	5-10': SAA
				6	
				7	
				8	
				9	
				10	10-15': SAA
				11	
				12	
				13	
				14	
				15	
				16	
				17	
				18	
				19	
				20	
				21	
				22	
				23	
				24	
				25	
				26	
				27	
				28	
				29	

Monitoring Well Construction Information

Monitoring Well Diameter:	2	in		
Bottom of Monitoring Well:	13.5	ft bgs		
Stick Up or Flush Mount:	Flush Mount			
Screen Interval:	3.5	To	13.5	ft bgs
Riser Interval:	0	To	3.5	ft bgs
Sand Pack Interval:	2.5	To	15	ft bgs
Bentonite Seal:	1.5	To	2.5	ft bgs
Grout Interval:	0	To	1.5	ft bgs

Soil Vapor Point Installation Information

Depth of Soil Vapor Point:	ft
Bottom of Tubing:	ft
Top of Sand Pack:	ft
Top of Bentonite Seal:	ft

Logged by: M. Russo
Drilling Contractor: CDI
Date: 7/26/13
Driller: Dennis

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Job. No. 1490709	**Client:** NYSDEC		**Location:** Metal Etching Site, Freeport, NY
	Project: Freeport Metal Etching Site		
Drilling Method: Hollow Stem Auger			**Soil Boring Number:** MW-08DR
Sampling Method:			**Sheet 1 of 2**
NA			**Drilling**
Water Level:	3.35		**Start** DATE 7/26/13 / TIME 10:15 — **Finish** DATE 7/26/13 / TIME 11:36
Time:	12:18		
Date:	26-Jul-13		

Coordinates: Northing _____ Easting: _____
Surface Elevation:
Casing Below Surface:
Reference Elevation:
Reference Description:

Surface Conditions: asphalt
Weather: cloudy
Temperature: 65 deg

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppm)	Depth in Feet	
		Concrete / bentonite; Collar		0	0-5': brown to dark brown m-c sand, little m gravel
				1	
				2	
				3	
				4	
		Filpro #1 Sand		5	5-10': SAA
				6	
				7	
				8	
				9	
				10	10-15': Dark Brown F-C sand; wet
				11	
				12	
		Backfill		13	
				14	
		Hydrated Bentonite Chips		15	15-20': dark brown m-c sand, little m. gravel; saturated
				16	
				17	
				18	
				19	
				20	20-25': SAA, little fine gravel; saturated
				21	
		Filpro #1 Sand		22	
		10 Slot PVC Screen		23	
				24	
				25	25-30': Brown m-c sand, some f. gravel, saturated
				26	
				27	
				28	
				29	

Monitoring Well Construction Information

Monitoring Well Diameter:	2	in		
Bottom of Monitoring Well:	31.5	ft bgs		
Stick Up or Flush Mount:	Flush Mount			
Screen Interval:	21.5	To	31.5	ft bgs
Riser Interval:	0	To	21.5	ft bgs
Sand Pack Interval:	1/19	To	13/35	ft bgs
Bentonite Seal:	0.5/15	To	1/19	ft bgs
Grout Interval:	0	To	0.5	ft bgs

Soil Vapor Point Installation Information

Depth of Soil Vapor Point:	ft
Bottom of Tubing:	ft
Top of Sand Pack:	ft
Top of Bentonite Seal:	ft

Logged by: M. Russo — Date: 7/26/13
Drilling Contractor: CDI — Driller: Dennis

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Coordinates:
Surface Elevation:
Casing Below Surface:
Reference Elevation:
Reference Description:

Job. No.	**Client:**	NYSDEC	**Location:**
1490709	**Project:**	Freeport Metal Etching Site	Metal Etching Site, Freeport, NY

Drilling Method:	**Soil Boring Number:**
Hollow Stem Auger	MW-08DR
Sampling Method:	**Sheet 2 of 2**
NA	Drilling

Water Level:					**Start**	**Finish**
Time:						
Date:						

Surface Conditions:
Weather:
Temperature:

Blow Counts (140-lb)	**Feet Driven/Ft. Recvrd**	**Boring Diagram**	**PID (ppm)**	**Depth in Feet**	**USCS Log**	
		Sand		30		30-35': SAA
				31		
				32		
				33		
				34		
				35		Terminal depth: 35'
				36		Well set @ 31.5'
				37		
				38		
				39		
				40		
				41		
				42		
				43		
				44		
				45		
				46		
				47		
				48		
				49		
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				52		
				53		
				54		
				55		
				56		
				57		
				58		
				59		
				60		
				61		
				62		

Logged by: M. Russo Date: 7/26/13

Drilling Contractor: CDI Driller: Dennis

GLAW - HAUPPAUGE 7/12/13

- ADDITIONAL NOTES:
- SKC PUMP WOULD NOT OPERATE @ LOW FLOW (< 0.5 L/min), USE PID'S PUMP W/ VENTED SILICONE TUBING ATTACHED TO ACHIEVE NOTED FLOW RATE. PLEASE NOTE THAT PID FLOW (W/OUT VENTED TUBING) MEASURED 0.43 L/min, AVERAGE. THIS WAS DISCUSSED AND APPROVED BY EAR PM PRIOR TO UTILIZATION OF PURGE METHOD.
- FLOW RATES ~~A~~ NOTED FROM ~~BIOS~~ BIOS DEFENDER 510-L ARE AVERAGES OVER 10 READINGS.
- CALIBRATION SHEETS FROM PINE ENV. HAVE BEEN PHOTOCOPIED AND SUBMITTED TO EAR PM (PID, BIOS DEFENDER, + He GAS DETECTOR (DIELECTRIC MGD-2002)). CHAIN OF CUSTODY AND PB'S NOTES ALSO SUBMITTED.
- ATTEMPTED TO USE SKC PUMP MULTIPLE TIMES PRIOR TO UTILIZING PID FOR PURGE. "LOW BATT" NOTIFICATION ON UNIT WOULD NOT CLEAR, AND CONTINUOUS LOW FLOW OPERATION WAS NOT POSSIBLE.

DEC - FREEPORT 435 7/29/13

START: 0630 ON: 0800 OFF: 1345 END: 1530

PURPOSE: O+D DEVELOPMENT OF (3) ONSITE MW'S BY ODI.
SEE WO# 9/345.
EQUIP: OTS (2) MONSOON - 1+2, WLM - RENTAL TURBIDIMETER
WEATHER: ~75°-80°F SUNNY, WIND FROM NNW.
ONSITE: EAR - SG - GEO
ODI - BV, DCV - HD, ASST

NOTES:
- GATE WAS NOT OPENED UNTIL 0830, STAFF HAD TO MOVE LARGE BOAT TRAILER 8' AWAY FROM MW-05R
- SURGE VIA CATHEAD AND EARTHPROBE. PURGE VIA SS MONSOON.
- VERIFIED CAL OF TURBIDIMETER W/ 800 NTU, 100 NTU, 20 NTU, +10 NTU STANDARDS. CAL IS GOOD, NO RECAL PERFORMED. CAL'D BY PINE ON 7/25/13 (SEE CAL DOC)

DEC-FP435 7/29/13

- MW-05R
- DTW - 2.79 TWD - 13.24'
  - MEASURED @ 0850
- SURGE #1,
  START: 0855 END: 0922
- TWD - 13.39'
- TUR ⇒ NOTE - 1 VOL ≈ 1.75 gal
- PURGE #1, ~20 gal PURGED
  START: 0928 END: 0937
  TWD - 13.34'
  TURB - 269 NTU

- SURGE #2
  START: 0940 END: 0955
  TWD - 13.37'

- PURGE #2 ~17 gal PURGED
  START: 0958 END: 1005
  TWD - 13.37'
  TURB - 158 NTU
  DRAWDOWN TO ~3.6' (DTW) TO 4.0' WHILE PURGING

DEC-FP435 7/29/13

- MW-05R CONT
- SURGE #3
  START: ~~1027~~ 1027 END: 1030
  TWD - 13.37'

PURGE #3 ~17 gal PURGED
START: 1033 END: 1045
TWD - 13.38'
TURB - 115 NTU
DRAWDOWN ~ 10 ~4' (DTW)

- AS DISCUSSED W/ EAR PM WILL CONTINUE SURGE + PURGE TO ACHIEVE 50 NTU OR LESS. WILL NO LONGER COLLECT TURB. SAMPLE FROM BOTTOM OF SCREEN (WORST-CASE SCENARIO), NOT FROM MID-SCREEN, ~~AND~~

- SURGE #4
  START: 1100 END: 1115
  TWD - 13.39'

- MW-05R cont
Purge #4 ~19 gal purged
Start: 1117 End: 1132
TWD - 13.39'
Turb. - 45.2 NTU 1132
Drawdown to 4.5' (DTW)(MAX)
Turb - Confirmation - 28.7 NTU @ 1136
- As per PM, devel. complete
- MW-08SR
DTW - 4.48' TWD - 13.22' (1145)
- Surge #1
Start: 1150 End: 1202
TWD - 13.39'

- Note 1 vol = ~1.5 gal
- Purge #1 ~18 gal purged
Start: 1205 End: 1215
TWD - 13.36'
Turb - 419 NTU
Drawdown to: 7.83' (DTW)(MAX)

- MW-08SR cont
Surge #2
Start: 1218 End: ~~120~~ 1231
TWD - 13.37'

Purge #2 18 gal purged
Start: 1234 End: 1245
TWD - 13.35'
Turb - 492 NTU

Surge #3
Start: 1247 End: 1303
TWD - 13.35'

Purge #3 18 gal purged
Start: 1305 End: 1320
TWD - 13.36'
Turb - 11.3 NTU
Confirmed @ 1325 = 8.9 NTU
- Completed development @ MW-08SR, as discussed w/ EAR PM.
- 2, 55-gallon drums of purged water generated + staged onsite (w/ Cabers)

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID CERT 16020
Description NJ CERT HACH 2100Q Turbidimeter
Calibrated 7/25/2013 10:06:50AM

Manufacturer HACH
Model Number 2100Q
Serial Number/ Lot Number 10030C001850
Location New Jersey
Department

State Certified NJ Cert#: 11034
Status Pass
Temp °C 24.9
Humidity % 42

Calibration Specifications

Group # 1
Group Name Span 1
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 10.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
10.00 / 10.00	NTU	10.00	NTU	10.00	10.00	0.00%	Pass

Group # 2
Group Name Span 2
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 10.0000
Plus/Minus 2.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	NTU	100.00	NTU	98.60	100.00	0.00%	Pass

Group # 3
Group Name Span 3
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 10.0000
Plus/Minus 10.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
800.00 / 800.00	NTU	800.00	NTU	795.00	800.00	0.00%	Pass

Group # 4
Group Name Second Source
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 10.0000
Plus/Minus 1.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
20.00 / 20.00	NTU	20.00	NTU	19.92	20.00	0.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID CERT 16020
Description NJ CERT HACH 2100Q Turbidimeter
Calibrated 7/25/2013 10:06:50AM

Test Instruments Used During the Calibration

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	(As Of Cal Entry Date) Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NJ CAL. REPORT LEGEND	Instrument Cal. report Legend for NJDEP Lab Certification	Pine	DOCUMENTATION			
NJ FRONT PAGE	Front Page for NJDEP Lab Certification	Pine	DOCUMENTATION	FRONT PAGE		
NJ HACH 10 NTU LOT: A3155	10 NTU standard	HACH	10 NTU	A3155	7/25/2013	6/30/2014
NJ HACH 100 NTU LOT: A3161	100 NTU standard	HACH	100 NTU	A3161	7/25/2013	6/30/2014
NJ HACH 20 NTU LOT: A3162	20 NTU standard	HACH	20 NTU	A3162	7/25/2013	6/30/2014
NJ HACH 800 NTU LOT: A3162	800 NTU standard	HACH	800 NTU	A3162	7/25/2013	6/30/2014

Sensor Information

Sensor Type	Manufacturer	Serial Number	Date Installed

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated William Bass

All instruments are calibrated by Pine Environmental Services, LLC. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services, LLC. of any defect within 24 hours of receipt of equipment
Please call 866-960-7463 for Technical Assistance

DEC-FP435 7/30/13

START: 0700 ON: 0800 OFF: 1330 END: 1500

PURPOSE: O+D DEVEL OF MW-08DR B4 CDT. SAMPLE DRUMMED SOIL/GW

EQUIP: SAME AS 7/29/13

ONSITE: SAME AS 7/29/13

WEATHER: SAME AS 7/29/13

- CHECKED CAL OF TURBIDIMETER, AS PER NOTES (7/29/13), CAL IS GOOD, NO RECAL PERFORMED.

NOTES:

- VOLUME @ MW-08DR = ~4.25 gal
- SOIL COMPOSITE → "WASTE SOIL" GENERATED @ 1045
- WATER COMPOSITE → "WASTE WATER" GERATED @ 1120.
- NOTE: MW-08DR LOCATED NEAR PAINT BOOTH FOR BOAT YARD. STARTED SPRAYING BOAT @ ~1115. PRIOR TO FINAL PURGE #5, MONSOON WAS DECON'D AND TURBINE WAS REPLACED (OVERSPRAY WAS COMING OUT OF FRONT OF SPRAY TENT).

MW-08DR - DEVELOPMENT

INITIAL → DTW - 5.27' TWD - 31.26' (0817)

- SURGE #1: START: 0825 END 0845, TWD - 31.24'
- PURGE #1, START: 0850 END: 0910, TWD - 31.20'
- DRAWDOWN TO 5.48' (DTW MAX)
- TURB - OVER ~20 gal PURGED
- SURGE #2: START: 0912 END: 0931, TWD - 31.22'
- PURGE #2: START: 0936 END: 0951, TWD - 31.20'
- TURB - 647 NTU, ~21 gal PURGED
- SURGE #3, START: 0956 END: ~~1015~~, TWD - 31.23'
  → 1019
- PURGE #3; START: 1022 END: 1038 TWD - 31.23
- TURB - 1490 NTU, ~22 gal PURGED
- SURGE #4: START: 1045 END: 1100 TWD: 31.23'
- PURGE #4: START: 1103 END: 1123 TWD: 31.23'
- TURB + 121 NTU, ~22 gal PURGED
- SURGE #5: START: 1125 END: 1140, TWD - 31.23'
- PURGE #5: START: 1147 END: 1213 TWD - 31.23'
- TURB - 95 NTU, ~19 gal PURGED
- SURGE #6 START: 1215 END: 1232 TWD - 31.23'
- PURGE #6 START: 1233 END: 1300, TWD - 31.23'
- TURB - 47.6 NTU 22 gal PURGED
- CONFIRMED READING @ 1305 @ 4.8.2 NTU

DEC-FP435 7/30/13

- 2, 55 gal DRUMS GENERATED FROM DEVER @ MW-08DR
- 7 DRUMS (TOTAL) STAGED FOR DISPOSAL (3 SOIL, 4 WATER).
- ALL DRUMS LABELED

3 OF 3 155 SG

CURVE TABLES

HOW TO USE CURVE TABLES

Table I. contains Tangents and Externals to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20′ to the R. at Station 542 + 72.

Ext. in Tab. I opposite 23° 20′ = 120.87
120.87 ÷ 12 = 10.07. Say a 10° Curve.

Tan. in Tab. I opp. 23° 20′ = 1183.1
1183.1 ÷ 10 = 118.31.

Correction for A. 23° 20′ for a 10° Cur. = 0.16
118.31 + 0.16 = 118.47 = corrected Tangent.

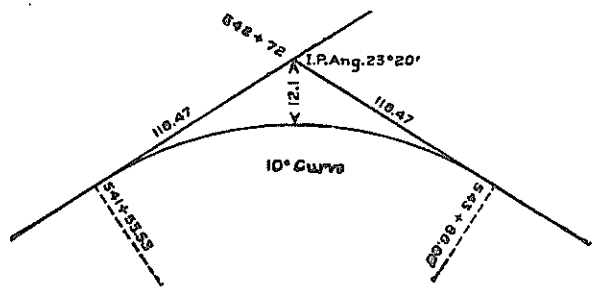
(If corrected Ext. is required find in same way)
Ang. 23° 20′ = 23.33° ÷ 10 = 2.3333 = L. C.

2° 19½′ = def. for sta.	542	I. P. = sta.	542 + 72
4° 49½′ = " " "	+ 50	Tan. =	1 .18.47
7° 19½′ = " " "	543	B. C. = sta.	541 + 53.53
9° 49½′ = " " "	+ 50	L. C. =	2 .33.33
11° 40′ = " " "	543 + 86.86	E. C. = Sta.	543 + 86.86

100 − 53.53 = 46.47 × 3′ (def. for 1 ft. of 10° Cur.) = 139.41′ = 2° 19½′ = def. for sta. 542.

Def. for 50 ft. = 2° 30′ for a 10° Curve.

Def. for 36.86 ft. = 1° 50½′ for a 10° Curve.



777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): IAN HOFMANN	Samplers Name (Printed): EAR-SG	Site/Project Identification: DEC-FREEPORT 435 / SP # 1-30-110
Company: EAR	P. O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address: 225 ATLANTIC AVE	Analysis Turnaround Time: Standard ☐	
City: PATCHOGUE State: NY	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone: 631-447-6400 Fax: 631-447-6997		

Sample Identification	Date	Time	Matrix	No. of Cont.	EPA METHOD 8260	EPA METHOD 8270	RCRA METALS w/ Hg	pH	REACTABILITY						LAB USE ONLY Project No: / Job No: / Sample Numbers
WASTE_SOIL	7/30/13	1045	S	5	X	X	X								
WASTE_WATER	7/30/13	1120	Aq	5	X		X	X	X						

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water:

Special Instructions Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	EAR	7/30/13 1500	1) EAR SAMPLE FRIDGE	EAR
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)