

GEI Consultants

Supplemental Remedial Investigation Work Plan

Clearview Cleaners

202-16 Hillside Avenue, Queens, New York
Site No. C241153

Submitted to:
New York State Department of Environmental Conservation
Region 1
625 Broadway
Albany, NY 12233

Submitted by:
GEI Consultants, Inc. DBA GEI Consultants Engineering,
Geology, Architecture & Landscape Architecture
1000 New York Avenue, Suite B
Huntington Station, NY 11746
631.760.9300

May 2026
Project No. 1607000



William J. Fitchett
Project Manager

Nicholas J. Recchia, PG
Senior Consultant - Hydrogeologist

Table of Contents

Certification ..... **iii**

1. Introduction **4**
1.1. Purpose 4
1.2. Project Background 4
1.2.1. Description of Local Geologic and Hydrogeological Conditions 5
1.2.1.1. Site Soil/Stratigraphy 5
1.2.1.2. Groundwater Flow Direction 5
1.2.1.3. Surface Water Bodies 5
1.2.2. Site History and Previous Investigations 5
1.2.3. GEI Remedial Investigation 6
1.2.3.1. Soil 7
1.2.3.2. Groundwater 7
1.2.3.3. Soil Vapor, Indoor Air, and Outdoor Air 8
1.3. Project Organization and Responsibility 8

2. Scope of Work **11**
2.1. Execution of the Work Plan 11
2.2. Mobilization and Site Access 11
2.3. Soil, Groundwater and Soil Vapor Investigation 12
2.3.1. Soil 12
2.3.2. Groundwater 13
2.3.3. Interior Sub-Slab Soil Vapor Investigation 14
2.3.4. Exterior Soil Vapor Investigation 15
2.3.5. Material Handling 15
2.3.6. Odor and Fugitive Dust Control 15
2.3.7. Site Restoration 16

3. Data Evaluation **17**
3.1. Data Evaluation 17
3.2. Remedial Investigation Report 17

4. Citizen Participation Activities **18**
4.1. Description of Citizen Participation Activities 18
4.1.1. Citizen Participation Plan 18
4.1.2. Interim Remedial Measures (IRM) 18
4.1.3. Remedial Action Work Plan (RAWP) 19
4.1.4. Post Remedial Action 19

5. Schedule 20

Tables

Table 1 Historical Validated Soil Analytical Results
Table 2 Historical Validated On-Site Groundwater Analytical Results
Table 3 Historical Validated Off-Site Groundwater Analytical Results
Table 4 Historical Validated Sidewalk and Parking Lot Soil Vapor Results

Figures

Figure 1 Site Location
Figure 2 Interior Floor Plan
Figure 3 Historical Onsite Soil Sample Locations (2003)
Figure 4 LBG Historic On/Off-Site Sampling Locations (2013)
Figure 5 Historical Onsite Soil Exceedances (2020)
Figure 6 Historical Onsite Groundwater Exceedances (2021)
Figure 7 Historical Offsite Groundwater Exceedances (2021)
Figure 8 Historical Soil Vapor, Outdoor Air, and Indoor Air Detections (2024)
Figure 9 Proposed Exterior Sample Locations
Figure 10 Proposed Interior Sample Locations

Appendices

Appendix A Key GEI Personnel Resumes
Appendix B Previous Reports
B.1. Leggette, Brashears & Graham, Inc. Remedial Investigation (April 2013)
B.2. Leggette, Brashears & Graham, Inc. Subsurface Investigation Report (June 2013)
B.3. PMG Northeast, LLC Site Status Update Report (April 2017)
B.1. Leggette, Brashears & Graham, Inc. Remedial Investigation (April 2013)
B.2. Leggette, Brashears & Graham, Inc. Subsurface Investigation Report (June 2013)
B.3. PMG Northeast, LLC Site Status Update Report (April 2017)
Appendix C Health and Safety Plan
Appendix D Community Air Monitoring Program
Appendix E GEI Field Standard Operating Procedures

WJF/NJR:ag
B:\StaffData\2700 Huntington Station NY\Environmental Projects\Clearview Cleaners JAB\SRIWP\2026 Resubmittal\C241153_ClearviewCleaners Supplemental Remedial Investigation Work Plan_rev.docx

Certification

I, Nicholas J. Recchia, P.G., certify that I am a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Supplemental Remedial Investigation Work Plan (SRIWP) was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

(Signature) May 27, 2026 (Date)

1. Introduction

GEI Consultants, Inc. DBA GEI Consultants Engineering, Geology, Architecture & Landscape Architecture (GEI) prepared this Supplemental Remedial Investigation Work Plan (SRIWP) for the Site known as 202-16 Hillside Avenue, Queens, New York (the Site). It was prepared on behalf of JAB Property Corp. (JAB), the owner of the Site. On March 20, 2017, JAB was accepted as a Participant into the New York State Brownfield Cleanup Program (BCP) for this Site (Site No. C241153).

The Site is approximately 9,838 square feet (ft) in area. The property is developed with a 1-story commercial retail dry cleaner, currently known as Clearview Cleaners, a paved parking lot in front of the property along Hillside Avenue and an unpaved side yard area on the west side of the building. The property fronts Hillside Avenue, a major thoroughfare, which is used by the community for commercial and retail establishments.

The site has been operating as a dry-cleaning facility since at least 1961. On July 26, 2013, the New York State Department of Environmental Conservation (NYSDEC) issued a letter addressed to the current owner of the Site (JAB) and its tenant providing notification that the Site was a potential inactive hazardous waste disposal site. The letter also included information about the results of a site characterization investigation performed at a nearby Gulf gasoline filling station that detected chlorinated volatile organic compounds (CVOCs) in groundwater monitoring wells that were suggestive of the Clearview Cleaners Site being a source of the CVOCs.

1.1. Purpose

The purpose of the supplemental investigation is to further characterize the nature and extent of contamination associated with historical dry-cleaning operations. The scope of work for these tasks is detailed in Section 2 of this report.

1.2. Project Background

As previously stated, the Site has operated as a dry-cleaning facility since at least 1961. The Environmental Protection Agency (EPA) ID for the site is NYD045423035 and has been generating and manifesting spent solvent (F002) waste to off-Site disposal since at least 1988.

The project Site, known as Clearview Cleaners, is located on the southwest corner of Hillside Avenue and 204th Street. The Site is utilized as a retail dry cleaner that currently utilizes perchloroethylene (PCE). The Site is developed with a one-story brick commercial building with a parking lot on the north side of the property and a small grassy area on the west side of the property. Sidewalks are located along the northern and eastern boundaries. A Site location map is shown on Figure 1.

1.2.1. Description of Local Geologic and Hydrogeological Conditions

1.2.1.1. Site Soil/Stratigraphy

Queens is comprised of a wedge-shaped mass of unconsolidated sand, gravel, silt, and clay, underlain by consolidated bedrock located in the Atlantic Coastal Plain physiographic province of the United States. The thickness of these unconsolidated glacial and deltaic deposits ranges from a few hundred ft in the northwestern sections of Suffolk County to more than 2,000 ft along Suffolk's south shore barrier beaches.

These unconsolidated deposits constitute the groundwater reservoir. Essentially, three aquifers underlie the region: The Upper Glacial, Magothy, and Lloyd aquifers. The Upper Glacial extends from the surface to depths of up to 400 ft. This aquifer is used widely for water supply in areas of central and eastern Suffolk County. Suffolk County obtains the majority of its water supply from the Magothy aquifer at depths of 600 to 1,200 ft The Upper Glacial aquifer, in Suffolk County, is generally of degraded quality due to past sanitary and industrial waste disposal practices. The Lloyd aquifer lies below the Magothy aquifer and rests on the consolidated bedrock. Depths from land surface range from 200 ft, along the north shore, to more than 1,800 ft along the south shore. The Lloyd aquifer principally supplies water to the south shore barrier beach communities, where the Magothy aquifer has become contaminated by saltwater intrusion.

The local geology of Queens County consists of unconsolidated glacial deposits overlying crystalline bedrock at approximately 80 ft below ground surface (bgs). Soil core samples collected from nearby investigations consisted of fill material containing brown coarse to medium sand with gravel and sand.

1.2.1.2. Groundwater Flow Direction

The Site is located approximately 6 miles northeast of Jamaica Bay. According to data provided by Leggette, Brashears & Grahm, Inc. (LBG) in June 2013, the overburden in the vicinity of the newly-installed monitoring wells consists primarily of medium to coarse sand with some gravel. The depth to groundwater beneath and in the vicinity of the site on May 7, 2013, ranged from 48.55 ft bgs to 56.68 ft bgs. Based on these measurements, the groundwater flow direction beneath the site is toward the southwest. The nearest United States Geological Survey (USGS) monitoring well is located approximately 1 mile northwest and is listed as Well Q 366.1. Depth to water in this well in 2010 was measured to be 47.29 ft bgs. The nearest hydraulically downgradient NYCDEP water supply wells are identified as 7 and 7b and are located approximately 2,000 ft south/southeast of the site.

1.2.1.3. Surface Water Bodies

Review of USGS Topographic Map confirms there are no surface water bodies are located within a ½-mile radius of the Site.

1.2.2. Site History and Previous Investigations

Two previous investigations were conducted at the Site. Reports of these investigations are listed below and are included in Appendix B. A limited investigation was performed at the Site in 2003 by others, no

report is available for this work; however, Figure 2 in this report shows locations and PCE detections from soil samples collected during that investigation.

- A letter, dated April 23, 2013, by LBG regarding Cumberland Farms, Inc.
- A Subsurface Investigation Report by LBG, dated June 2013.
- A Site Status Update Report by Groundwater & Environmental Services, Inc., dated April 2017.

The above-mentioned report and the July 26, 2013, NYSDEC letter relate to a characterization investigation performed at the nearby Gulf gasoline filling station for NYSDEC Spill# 9713740. Clearview Cleaners was identified as a possible source of elevated levels of CVOCs detected in up-gradient groundwater monitoring wells associated with the Gulf site investigation. A subsequent supplemental site investigation by LBG detected elevated concentrations in the soils and groundwater at this Site.

In 2013, LBG mobilized to the Site and installed two soil borings on the Clearview Cleaners site; soil was sampled from the surface to 62 ft bgs. The maximum concentration of PCE was 1,810 milligram per kilogram (mg/kg) at a depth of 3 to 4 ft bgs. The maximum concentration of trichloroethylene (TCE) was detected at 220 mg/kg at the same sampling interval along with cis 1,2-dichloroethene (DCE), which was detected at 74.7 mg/kg. Please reference Table 2 in the Subsurface Investigation Report by LBG, dated June 2013 for complete analytical results. Soil boring locations can be seen in Figure 1.0 within that same report.

LBG also collected groundwater samples from two on-Site (upgradient) wells, along with samples from the downgradient monitoring wells located on the gas station property. The monitoring wells were installed at a depth of 65 ft bgs with a 20-foot screened interval. Concentrations detected in the on-Site wells (MW-9 and MW-10) were as high as 753 micrograms per liter (µg/L) for PCE, 8.76 µg/L for TCE, and 13.1 µg/L for DCE. Concentrations of chlorinated solvents in the down-gradient wells, located on the gas station property and two off-Site down gradient wells (MW-5 and MW-11) were detected at concentrations ranging from 39.5 µg/L to 2,020 µg/L which are above the NYSDEC Technical & Operational Guide Series (TOGS) Groundwater Quality Standards. Please reference Table 3 in the Subsurface Investigation Report conducted by LBG in June 2013. Figure 3 in this report indicates LBG Historic on/off-Site Sampling Location (2013) as it pertains to the Cumberland Farms investigation.

1.2.3. GEI Remedial Investigation

A Remedial Investigation (RI) was performed by GEI during 2020, 2021, and 2024. The work was performed largely in accordance with the NYSDEC-approved February 2019 Remedial Investigation Work Plan (RIWP). The parking lot and sidewalk sub-slab soil vapor sampling was requested by NYSDEC in 2024. A detailed summary along with conclusions in recommendations related to these sampling events will be included in the Remedial Investigation Report (RIR), as well as figures, tables, Category B Data Deliverables, and data usability summary report (DUSRs). For the purposes of this SRIWP, a summary of the findings of GEI RI is below:

1.2.3.1. Soil

Soil samples were collected during the drilling mobilization conducted in January 2020. Volatile organic compound (VOC) exceedances above the Unrestricted Use (UU) Soil Cleanup Objectives (SCOs) and Protection of Groundwater (PG) SCOs were limited to one soil boring located adjacent to the Clearview Cleaners building [SB-1 (0 to 5 ft)] in which PCE was detected at a concentration of 8.3 mg/Kg. No other VOC detections above UUSCOs were identified. Metals were detected at all three boring locations above the UUSCOs but below PGSCOs and Restricted Commercial SCOs. Pesticides detected at two of the three boring locations above the UUSCOs but below PGSCOs and Restricted Commercial SCOs. PCBs were not detected in any of the samples collected. Historical soil analytical results are summarized on Table 1. GEI RI soil exceedances of UUSCOs and PGSCOs are summarized on Figure 4.

1.2.3.2. Groundwater

A groundwater sampling event was conducted in March 2021. On-Site VOC exceedances of the Ambient Water Quality Standards (AWQS) were limited to PCE. Exceedances of PCE were found in MW 1 (54 µg/L), MW 2S (62 µg/L), MW-2I (22 µg/L), MW-3S (47 µg/L), and MW-3I (12µg/L).

Total and dissolved metals detections were identified in all monitoring wells. No source area in soil was identified for metals. As such, it is likely that the metal detections represent localized groundwater conditions and/or are migrating beneath the Site from an off-Site source. Metals are not considered a contaminant of concern (COC) for this Site.

Pesticides were detected slightly above AWQS in the two on-Site deep monitoring wells. Additionally, PCBs were detected slightly above AWQS in two on-Site shallow monitoring well (MW-2S and MW-3S) and one deep monitoring well (MW-2S). No on-Site source area was identified for pesticides or PCBs, and these compounds are not considered COCs for this Site.

No SVOCs were detected at levels above NYSDEC AWQS.

VOC exceedances in off-Site monitoring wells were limited to PCE, TCE, and several petroleum-related VOCs. A gasoline station is located immediately west of the Site, hydraulically downgradient. NYSDEC Spill Number 9713740 has been assigned to this property. This spill number was closed in 2022, after the RI groundwater sampling was completed. Since the off-Site monitoring wells which displayed elevated petroleum VOC concentrations are located downgradient of the gasoline station, it is likely that the elevated concentrations were the result of the spill incident at this property.

PCE was detected in seven of the eight off-Site monitoring wells and exceeded its NYSDEC AWQS in six of the off-Site monitoring wells. The highest off-Site detection of PCE was identified in downgradient monitoring well EMW-4, with a concentration of 120 µg/L. TCE was detected in five of the eight off-Site monitoring wells and exceeded its NYSDEC AWQS only in off-Site monitoring well EMW-11, with a concentration of 16 µg/L.

It should be noted that the CVOC DCE was detected above its NSYDEC AWQS in two off-Site monitoring wells. The highest detection of DCE was found in monitoring well EMW-11, with a concentration of 56 µg/L.

Analysis for the emerging contaminant 1,4 dioxane was conducted utilizing Selective Ion Monitoring (SIM) in samples collected from all seven on-Site monitoring wells. This analysis did not reveal the presence of 1,4-dioxane in any monitoring well.

Additionally, the emerging contaminants per- and polyfluoroalkyl substances (PFAS) compounds were analyzed for in samples collected from all seven on-Site monitoring wells. The NYSDEC issued its most recent guidance on PFAS in groundwater in April 2023. According to the NYSDEC guidance, further assessment of groundwater may be warranted if perfluorooctanoic acid (PFOA) or perfluorooctane sulfonic acid (PFOS) is detected at a concentration above 6.7 nanograms per liter (ng/L) or 2.7 ng/L, respectively, and it is attributable to the Site. PFOA was detected above 6.7 ng/L in all seven on-Site monitoring wells, and PFOS was detected above 2.7 ng/L in five on-Site monitoring wells. The maximum detection of PFOA was 43.1 ng/L, which was identified in monitoring well MW-3I and the associated duplicate sample. The maximum detection of PFOS was 26.8 ng/L, identified in monitoring well MW-3S. No historical on- or off-Site sources were identified for PFAS, and these detections are not considered attributable to the Site. Historical on-Site groundwater analytical results are shown on Table 2. On-Site historical exceedances of NYSDOC TOGS Standards and Guidance Values are shown on Figure 5. Off-Site historical groundwater analytical results (from groundwater samples collected by GEI in 2021) are summarized on Table 3. Off-Site historical exceedances of NYSDOC TOGS Standards and Guidance Values are shown on Figure 6.

1.2.3.3. Soil Vapor, Indoor Air, and Outdoor Air

Sidewalk and Parking Lot Soil Vapor Investigation

In April 2024, a total of seven soil vapor samples were collected from the sidewalk along the west side of 202nd Street, the on-Site parking lot, and the sidewalk along the east side of 204th Street. Samples were collected from approximately 2" below the concrete or asphalt slab. Detections of CVOCs included methylene chloride at a maximum concentration of 10.6 micrograms per cubic meter (µg/m³) in SV-3, TCE at maximum concentrations of 7.15 µg/m³ in SV-4, and PCE at a maximum concentration of 208 µg/m³, in SV-4.

Detections of petroleum-related VOCs included n-hexane at a maximum concentration of 18.6 µg/m³ in SV-4, benzene at a maximum detection of 7.86 µg/m³ in SV-5, cyclohexane at a maximum detection of 1.21 µg/m³ in SV-4, 2,2,4-trimethylpentane at a maximum detection of 1.74 µg/m³ in SV-4, heptane at a maximum detection of 24.6 µg/m³ in SV-4, toluene at a maximum detection of 5.16 µg/m³ in SV-5, p,m-xylene at a maximum detection of 2.16 µg/m³ in SV-5, and 1,2,4-trimethylbenze at a maximum detection of 2.01 µg/m³ in SV-2. Results are summarized on Table 4 and detections are shown on Figure 7.

1.3. Project Organization and Responsibility

GEI will coordinate with NYSDEC, 10 business days prior to commencing the Supplemental Remedial Investigation (SRI). Approval of this SRIWP by NYSDEC will be obtained prior to the commencement of field activities.

The drilling subcontractor will be responsible for all drilling activities to include, but not be limited to, compliance with all applicable Occupational Safety and Health Administration (OSHA) regulations as well as personnel health and safety. GEI will conduct all activities in accordance with the site-specific Health and Safety Plan (HASP).

GEI will be responsible for project management, subcontractor oversight, SRIWP compliance, determination of corrective measures when needed, monitoring for health and safety, perimeter-air monitoring activities, collection of analytical samples, and completion of Site sampling logs. GEI will also serve as the Site Health and Safety Officer.

The following are the key personnel or agencies involved with SRIWP activities at the Site:

NYSDEC:

Mr. Erick Bower
Project Manager
NYSDEC Division of Environmental Remediation
625 Broadway
Albany, New York 12233
518.402.9824
erick.bower@dec.ny.gov

NYSDOH:

Sarita Wagh
Project Manager
NYSDOH Bureau of Environmental Exposure Investigation
Empire State Plaza
Corning Tower Room 1787
Albany, NY 12237
518.402.7817
sarita.wagh@health.ny.gov

Drilling Subcontractor:

TBD

GEI:

Nicholas J. Recchia
Program Manager
GEI Consultants, Inc.
1000 New York Avenue, Suite B
Huntington Station, NY 11746
631.759.2973

William J. Fitchett
Project Manager
GEI Consultants, Inc.
1000 New York Avenue, Suite B
Huntington Station, NY 11746
631.759.3509

JAB Property Corp.:

Joseph Burachio, President
202-16 Hillside Avenue
Hollis, NY 11423

Resumes of key GEI personnel for this project are included in Appendix A.

2. Scope of Work

Scope of work for the proposed Supplemental Investigation Work Plan is as follows, work details are provided in the subsequent subsections:

- Install and sample four sub-slab soil vapor points; collect one outdoor ambient air sample.
- Install and sample four exterior soil vapor points.
- Install seven soil borings to 65 ft bgs (or the maximum depth feasible).
- Collect seven groundwater samples from existing on-Site monitoring wells.
- Collect groundwater samples from accessible and sampleable off-Site monitoring wells.

Field work will follow the health and safety protocols detailed in the HASP, which is included in Appendix D. A Community Air Monitoring Plan (CAMP) will be implemented during field activities and is included in Appendix E. CAMP data summary reports will be provided to the NYSDEC and NYSDOH Project Managers. These reports will consist of figures showing work zones and monitoring stations and will include downloaded CAMP data. Reports will indicate any CAMP exceedances and corrective actions taken. CAMP exceedances will be reported within one business day. The locations of all proposed sampling points for the scope of work detailed below are presented on Figures 9 and 10.

2.1. Execution of the Work Plan

Exterior site work will commence no earlier than 7:00 a.m. Monday through Friday. All exterior work must be completed and the work area closed for the evening at 5:00 p.m. unless otherwise authorized by the property owner. During working hours, the drilling subcontractor will make every effort to minimize potential community impacts. These include, but are not limited to, noise and traffic concerns associated with the execution of the SRIWP.

2.2. Mobilization and Site Access

The selected drilling subcontractor will submit a Site-specific HASP meeting the minimum requirements of GEI's HASP, which is included in Appendix D. All work will be performed in accordance with OSHA, state, and industry safety standards. All on-Site personnel performing intrusive activities that have the potential to come in contact with impacted materials will have the requisite 1910.120 OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Training, as well as Site-specific training prior to intrusive activities. All personnel performing work associated with this SRIWP will be required to have both general and Site-specific training. The general training includes all applicable OSHA and state required training, such as 40-hour HAZWOPER and the 8-hour Refresher Training. Supervisory personnel will also have supervisory training. All personnel will be in a medical surveillance program. Also, Site-specific training will be given to all personnel performing fieldwork at the Site on a daily basis. This Site-specific training will include a review of potential Site hazards, required personal protective equipment (PPE), and Site warning and evacuation procedures.

The property owner will provide access to the Site for the SRIWP activities. The drilling subcontractor will be prepared for limited traffic management when drilling in the Site parking lot. The drilling subcontractor will be responsible for contacting New York 811 to request that all utilities on the adjacent public rights-of-way be located and marked. The locations of on-Site utilities have been previously marked and will be confirmed prior to the start of intrusive activities. The Contractor is responsible for resolving all potential conflicts. Underground utility protection will be the responsibility of the selected Contractor. When all utilities have been verified/confirmed/protected, then intrusive activities may be initiated.

The selected drilling subcontractor will mobilize all necessary labor, equipment, supplies and materials to complete the SRIWP. Lay down areas for equipment, supplies and materials, the appropriate exclusion zone(s) and support area(s) will be identified to conduct the planned activities safely and effectively. All equipment will be inspected prior to utilization for the SRIWP and checked periodically for performance and corrective repair. All equipment will be cleaned prior to arrival on the project Site.

2.3. Soil, Groundwater and Soil Vapor Investigation

2.3.1. Soil

Six soil borings are planned for advancement at strategic locations in the side yard, parking lot and building area. The soil borings will attempt to vertically delineate the contamination to better understand the most suitable remedy.

The soil borings will be advanced to 65 ft bgs and a sample will be collected from a discrete depth within each 5-foot interval in each boring and submitted for laboratory analysis (0 to 5 ft, 5 to 10 ft, 10 to 15 ft, and all subsequent 5-foot intervals through 60 to 65 ft). All soils will be continuously logged and screened for impacts using a portable photoionization detector (PID) with an 11.7 eV lamp, as well as for visual and olfactory impacts. The discrete sample depth will be selected based upon the highest PID readings, and/or where visual or olfactory impacts are noted. If no PID readings or visual/olfactory impacts are observed, the sample will be collected from the bottom of the interval. Depth to water is anticipated to be approximately 55 to 60 ft bgs. Soil sample acquisition will be obtained using disposable macrocore liners. To minimize the loss of volatiles when collecting soil samples, maocrocore liners will be kept horizontal and out of direct sunlight. EnCore® samplers (or equivalent) will be utilized to collect soil samples from the center of the core, immediately after opening the liner. The sampler will be immediately capped and sealed after collection and placed in an ice-filled cooler. Please see Appendix E for Field Sampling Standard Operation Procedures (SOPs) for logging and sample acquisition.

The final locations for the interior soil borings will be determined after review of the on-Site sub-slab soil vapor data. Interior soil boring locations will be biased towards the soil vapor samples that displayed the highest detections of CVOCs. The interior soil borings will be installed to the maximum depth feasible based upon the accessibility of the boring location to a portable indoor drilling rig machine. If the proposed boring location is accessible only with less advanced drilling equipment, the boring will be installed to the greatest depth feasible with the drilling equipment available.

Soil samples will be properly transported to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory under chain-of-custody (COC) procedures and analyzed for target compound list (TCL) VOCs by United States EPA Method 8260B. Quality Assurance/Quality Control (QA/QC) samples will be collected according to the Quality Assurance Project Plan (QAPP). QA/QC samples including matrix spike, matrix spike duplicates (MS/MSDs), field duplicates and equipment blanks will be collected in accordance with NYSDEC protocols. The data will be provided in a Category B data deliverable for use in a DUSR.

2.3.2. Groundwater

Seven groundwater monitoring wells were installed in 2020 as part of the original GEI RI. The locations are designated MW-1, MW-2, and MW-3. Within each of the downgradient locations, designated MW-1 and MW-2, are a cluster of wells screened at a shallow (55 to 65 ft) interval, an intermediate (75 to 85 ft) interval, and a deep (95 to 105 ft) interval. The upgradient well (MW-2) is screened at the water table (55 to 65 ft), as shown in the table below.

Monitoring Well Identification	Screened Interval (ft. bgs)	Date Installed	Location
MW-1	53-68	2/5/2020	On-site – Southeast corner of parking lot
MW-2S	55-65	2/10/2020	Onsite – Northwest corner of landscaped side yard
MW-2I	75-85	2/12/2020	Onsite – Northwest corner of landscaped side yard
MW-2D	95-105	2/11/2020	Onsite – Northwest corner of landscaped side yard
MW-3S	55-65	2/6/2020	Onsite – Southwest corner of landscaped side yard
MW-3I	75-85	2/6/2020	Onsite – Southwest corner of landscaped side yard
MW-3D	94-104	2/10/2020	Onsite – Southwest corner of landscaped side yard
EMW-1	Unknown	Unknown	Adjacent gasoline station
EMW-2	Unknown	Unknown	Adjacent gasoline station
EMW-4	Unknown	Unknown	East side of sidewalk along 202nd Street
EMW-5	Unknown	Unknown	East side of sidewalk along 202nd Street
EMW-7	Unknown	Unknown	Adjacent gasoline station
EMW-11	Unknown	Unknown	West side of sidewalk along 202nd Street
EMW-12	Unknown	Unknown	Adjacent gasoline station
EMW-13	Uknown	Unknown	Adjacent gasoline station

As part of this SRIWP, an additional round of groundwater samples will be attempted to be collected from the existing monitoring wells shown on Figure 7. During the GEI RI, groundwater samples were collected from eight offsite monitoring wells previously installed by others. As part of the SRIWP, a field assessment will be performed to determine whether any offsite wells are still present and sampleable. For monitoring wells located on private property, an attempt will be made to contact the property owner for access prior to sampling. A round of groundwater samples will be collected from any wells that are found to be accessible and sampleable.

The monitoring wells will be purged and sampled utilizing low flow sampling techniques. Field parameter readings, including pH, oxidation reduction potential (ORP), specific conductance, and dissolved oxygen (DO) will be monitored during sampling. Once field parameters are stabilized, groundwater samples will be collected in laboratory supplied bottles.

Groundwater samples will be properly transported to a NYSDOH ELAP-certified laboratory under COC procedures and analyzed for TCL VOCs by USEPA Method 8260B. QA/QC samples will be collected according to the QAPP. QA/QC samples including MS/MSDs, field duplicates and equipment blanks will be collected in accordance with NYSDEC protocols. The data will be provided in a Category B data deliverable for use in a DUSR.

All accessible and sampleable monitoring wells will be surveyed by a New York State-Licensed Land Surveyor. The elevation of each monitoring well will be determined to an ±0.01-foot accuracy and all monitoring well locations and elevations will be tied to the New York State Plane Coordinate System.

2.3.3. Interior Sub-Slab Soil Vapor Investigation

A total of four sub-slab soil vapor samples will be collected from the on-Site building. Because Clearview Cleaners actively uses PCE and is the sole tenant of the building, no indoor air samples will be collected. One outdoor ambient air sample will be collected for comparison purposes. This sub-slab soil vapor sampling will follow the NYSDOH Guidance for Evaluating Soil Vapor Intrusion document (October 2006). The sub-slab vapor points will be installed by advancing a small diameter hole through the concrete slab. The holes will be installed via a hammer drill or similar tool and will be advanced approximately 2 inches below the slab. A stainless-steel soil vapor point will be deployed down the holes so that the screened portion of the vapor point is exposed below the slab. Quarter-inch Teflon tubing will be connected to the vapor point and attached to an 8-hour flow controller affixed to a 6-liter SUMMA canister. A bentonite seal will be installed at the slab surface to prevent ambient air from infiltrating the sample. A tracer gas will be used in accordance with NYSDOH protocols to serve as a QA/QC device to verify the integrity of the seal. Helium will be used as the tracer gas and a box will serve to keep it in contact with the probe during testing. A portable monitoring device will be used to analyze a soil vapor sample for the tracer prior to sampling. If the sample shows a significant presence of the tracer, the probe seals will be adjusted, as necessary. Following sample collection, tracer monitoring will be performed a second time to confirm the integrity of the seal.

One to three implant volumes will be purged from the sub-slab soil vapor points prior to being sampled. Samples will be collected at a flow rate no greater than 200 ml/min for a duration of 8 hours. Upon sample collection, a PID reading will be recorded and documented. The ambient outdoor air sample will be collected at an up-wind location. All samples will be collected in batch certified, cleaned SUMMA canisters and submitted under strict chain of custody to New York State ELAP-certified laboratory for testing by Methodology TO-15. All results will require an Analytical Services Protocol (ASP) Category-B deliverable package that will be submitted to a certified laboratory for validation.

GEI will perform a chemical inventory of the sampling areas at each location prior to sampling. The purpose of the chemical inventory is to determine if the recent use or storage of any chemicals will affect the analytical data provided by the proposed collection of samples. If it is determined that the potential for this exists, GEI will notify the client requesting removal of the identified chemicals from the building. Sampling can be performed approximately 24 hours later.

Building factors, such as structure, floor layout, air flow, and physical conditions will be documented during the evaluation.

2.3.4. Exterior Soil Vapor Investigation

A total of four exterior soil vapor samples will be collected from a depth of approximately 5 ft. bgs. Three of the soil vapor points will be installed in the asphalt parking lot area, and one soil vapor point will be installed in the landscaped side yard. The soil vapor points will be advanced using direct push drilling methods and will consist of 1-inch diameter steel rods with a prefabricated 3-inch perforated steel vapor probe tip attached to ⅜-inch diameter low-density polyethylene (LDPE) plastic tubing. Once driven to depth, the rods will be removed leaving only the perforated tip and tubing. The vapor probe borehole will be backfilled with #2 Morie well grade gravel and a minimum 3-foot-thick seal will be constructed using an impermeable bentonite clay seal.

A tracer gas will be used in accordance with NYSDOH protocols to serve as a QA/QC device to verify the integrity of the seal. Helium will be used as the tracer gas and a box will serve to keep it in contact with the probe during testing. A portable monitoring device will be used to analyze a soil vapor sample for the tracer prior to sampling. If the sample shows a significant presence of the tracer, the probe seals will be adjusted, as necessary. Following sample collection, tracer monitoring will be performed a second time to confirm the integrity of the seal

One to three implant volumes will be purged from the soil vapor points prior to being sampled. Samples will be collected at a flow rate no greater than 200 ml/min for a duration of 8 hours. Upon sample collection, a PID reading will be recorded and documented. The ambient outdoor air sample will be collected at an up-wind location.

All samples will be collected in batch certified, cleaned SUMMA canisters and submitted under strict chain of custody to New York State ELAP-certified laboratory for testing by Methodology TO-15. All results will require an Analytical Services Protocol (ASP) Category-B deliverable package that will be submitted to a certified laboratory for validation.

2.3.5. Material Handling

SRIWP-derived wastes produced during soil boring, including soil cuttings, groundwater, decontamination waters, and removed groundwater will be collected and stored within 55-gallon United States Department of Transportation/United Nations (USDOT/UN) drums. The transporter and transport vehicle must be approved in accordance with New York Codes, Rules and Regulations (NYCRR), Chapter IV, Part 364.

2.3.6. Odor and Fugitive Dust Control

In accordance with NYSDEC and NYSDOH requirements, a CAMP will be implemented at the Site during exterior drilling activities. The objective of the CAMP is to provide a measure of protection for the downwind community (i.e., off-Site receptors, including residences and businesses and on-Site workers not involved with Site SRI activities) from potential airborne contaminant releases as a direct result of intrusive SRI activities. Air monitoring stations will be placed upwind and downwind of each intrusive work area (i.e., soil boring, soil vapor probe, and monitoring well locations). VOCs and respirable particulates (PM-10) will be monitored at the upwind and downwind stations on a continuous basis. In

addition to the fixed stations, VOCs and particulates will be monitored in the work zone using handheld equipment. VOCs and particulates will also be monitored around the perimeter of the work zone on a regular basis (hourly) by the GEI air monitoring personnel.

2.3.7. Site Restoration

The drilling subcontractor will restore all areas disturbed by the SRIWP activities to pre-existing conditions based on the applicable access agreements. Restoration actions shall include, but may not be limited to:

- Removal of all temporary facilities, including decontamination areas, and unused materials.
- Replacement or repair of all asphalt and concrete surfaces removed or damaged during the SRIWP implementation, as appropriate.

3. Data Evaluation

3.1. Data Evaluation

The purpose of the data evaluation is to determine the extent of any identified soil, groundwater, and soil vapor impacts associated with historic usage of the Site as a dry cleaner, and to assure that data obtained during the implementation of the SRIWP are adequate in quantity and quality, and applicable to project objectives. To make this determination, the data will be reviewed for the quality of data coverage, and completeness, with respect to meeting project objectives.

To facilitate the interpretation of data generated during the investigation activities, the data will be tabulated in data summary tables. Figures showing sampling locations with the corresponding analytical results will be prepared to enhance the overall understanding of Site conditions regarding the magnitude and location of contamination.

3.2. Remedial Investigation Report

The results, along with supporting documentation, will be provided to NYSDEC in a RIR. Laboratory data will be provided as a Category B deliverable and a third-party DUSR will be prepared. All data generated as part of the SRI will be submitted to NYSDEC in the appropriate Electronic Data Deliverable (EDD) format. The RIR will contain a description of the source of any contamination identified, as well as characterizations of the geologic, hydrogeologic, soil, soil vapor, and water quality.

4. Citizen Participation Activities

GEI will furnish personnel and materials to assist the NYSDEC in providing the community with information relating to the ongoing investigations at the Site. GEI will:

- Participate in public meetings that the NYSDEC deems necessary to apprise the community of the current or proposed activities.
- Disseminate the approved fact sheets to the Site Contact List.

The following have already been completed as part of the BCP application process.

- A Community Information Repository at the local library was established.
- Public and elected officials have been identified who may have a need to be informed and were sent written notice about the Participant's application to the BCP.
- Tenants, neighbors and other members of the public who may have an interest in the Site have been identified and were sent written notice about the Participant's application to the BCP.
- A notice was published in The Daily News by the Participant about its application to the BCP.
- A Site Contact List was created, composed of the public and elected officials, the tenants, neighbors and other members of public who may have an interest in the Site and persons who contacted the NYSDEC or Participant and requested to be added to the Site Contact List.
- A Scoping Sheet for Major Issues of Public Concern and Citizen Participation Plan (CPP) was approved by the NYSDEC and distributed to the Document Repository.

4.1. Description of Citizen Participation Activities

This section describes the specific citizen participation activities that are to be carried out during and following the implementation of the SRIWP. Further details are available in the CPP.

4.1.1. Citizen Participation Plan

A CPP was drafted and has reviewed and approved by NYSDEC. The CPP is available in the designated document repository. In addition to the CPP, copies of the prior studies, are currently on file in the document repository.

4.1.2. Interim Remedial Measures (IRM)

Following the implementation of the SRIWP, a Draft IRM Work Plan may be required. The IRM Work Plan will include the results of the RI and supplemental RI and will detail the proposed IRM. If the IRM represents (or is likely to represent) all or a significant portion of the remedy, public comments will be solicited to aid in the preparation of the Final IRM Work Plan. The Draft IRM Work Plan will be placed in the document repository. A Fact Sheet will be distributed to the Site Contact List describing the proposed IRM and announcing a 45-day comment period. A public meeting will be conducted, if required.

Following the public comment period, any public comments will be incorporated into the IRM Work Plan as needed, and NYSDEC will approve the Final IRM Work Plan for implementation. A copy of the Final IRM Work Plan will be placed in the document repository

4.1.3. Remedial Action Work Plan (RAWP)

Should additional remedial or mitigative measures be deemed necessary, a Draft RAWP will be prepared which details the proposed Remedial Action Plan (RAP). Following submittal, NYSDEC will issue a Preliminary Decision Document (PDD). The PDD will be placed in the document repository. A Fact Sheet will be prepared and distributed to the Site Contact List to announce the availability of the PDD for public review and comment. A Fact Sheet and notice of public meeting, if necessary, will be distributed to the Site Contact List. The RAWP submittal will then follow the process detailed above for the IRM. A Fact Sheet will be distributed to the Site Contact List announcing the start of the remedial action.

4.1.4. Post Remedial Action

Following completion of the remedial action, or actions, two fact sheets will be prepared. The first will summarize the Final Engineering Report (FER) and the second will announce the issuance of the Certificate of Completion.

5. Schedule

The proposed project schedule for implementation of the SRIWP activities is presented below. The schedule may be affected by regulatory review time periods, contractor response timeframes, timeframes necessary to negotiate access agreements with property owners, community issues, permit review and approval timeframes, or other unknown factors. In addition, if the scope of the proposed SRIWP changes as a result of negotiating access or regulatory review, then revisions to the work plan, and plans and specifications or change orders with the drilling subcontractor and/or GEI may be required and the schedule presented herein, may be impacted. Every effort, however, will be made to keep the project on the anticipated schedule.

Milestone	Time Frame (weeks)	
	Individual	Cumulative
GEI Submits SRIWP to NYSDEC	0	0
NYSDEC Approves SRIWP	4	4
Drilling Subcontractor Mobilizes for SRI	4	8
SRI Activities Completed	4	12
RI Report Submitted to NYSDEC	8	20
GEI Submits Draft IRM Work Plan (IRM WP) or RAWP	8	28

Tables

Table 1 Historical Validated Soil Analytical Results

Table 2 Historical Validated On-Site Groundwater Analytical Results

Table 3 Historical Validated Off-Site Groundwater Analytical Results

Table 4 Historical Validated Sidewalk and Parking Lot Soil Vapor Results

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-1 (0-5) 1/21/2020 0-5		SB-1 (5-10) 1/21/2020 5-10		SB-1 (5-10) 1/21/2020 5-10		SB-1 (10-15) 1/21/2020 10-15		SB-1 (15-20) 1/21/2020 15-20		SB-1 (20-25) 1/21/2020 20-25		SB-1 (25-30) 1/21/2020 25-30		SB-1 (30-35) 1/21/2020 30-35		SB-1 (35-40) 1/21/2020 35-40		SB-1 (40-45) 1/21/2020 40-45		SB-1 (45-50) 1/21/2020 45-50		SB-1 (50-55) 1/21/2020 50-55		SB-1 (55-60) 1/21/2020 55-60		SB-1 (60-65) 1/21/2020 60-65	
Volatile Organic Compounds	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Methylene chloride	0.05	0.05	500	0.3	U	0.0066	U	0.29	U	0.0057	U	0.0052	U	0.0052	U	0.0059	U	0.0056	U	0.0049	U	0.0062	U	0.0055	U	0.0054	U	0.0064	UJ	0.0055	U
1,1-Dichloroethane	0.27	0.27	240	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
Chloroform	0.37	0.37	350	0.089	U	0.002	U	0.087	U	0.0017	U	0.0016	U	0.0016	U	0.0018	U	0.0017	U	0.0015	U	0.0018	U	0.00016	J	0.0016	U	0.0019	UJ	0.00034	J
Carbon tetrachloride	0.76	0.76	22	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
1,2-Dichloropropane	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
Dibromochloromethane	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
1,1,2-Trichloroethane	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
Tetrachloroethene	1.3	1.3	150	0.41		0.15		0.15		0.013	J	0.0064		0.0089		0.014		0.0053		0.0022		0.0024		0.0017		0.0017		0.012	J	0.0058	
Chlorobenzene	1.1	1.1	500	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
Trichlorofluoromethane	NVG	NVG	NVG	0.24	U	0.0053	U	0.23	U	0.0046	U	0.0042	U	0.0042	U	0.0047	U	0.0045	U	0.0039	U	0.0049	U	0.0044	U	0.0043	U	0.0051	UJ	0.0044	U
1,2-Dichloroethane	0.02	0.02	30	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
1,1,1-Trichloroethane	0.68	0.68	500	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
Bromodichloromethane	NVG	NVG	NVG	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
trans-1,3-Dichloropropene	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
cis-1,3-Dichloropropene	NVG	NVG	NVG	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
1,3-Dichloropropene, Total	NVG	NVG	NVG	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
1,1-Dichloropropene	NVG	NVG	NVG	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
Bromoform	NVG	NVG	NVG	0.24	U	0.0053	U	0.23	U	0.0046	U	0.0042	U	0.0042	U	0.0047	U	0.0045	U	0.0039	U	0.0049	U	0.0044	U	0.0043	U	0.0051	UJ	0.0044	U
1,1,2,2-Tetrachloroethane	NVG	NVG	NVG	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
Benzene	0.06	0.06	44	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
Toluene	0.7	0.7	500	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
Ethylbenzene	1	1	390	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
Chloromethane	NVG	NVG	NVG	0.24	U	0.0053	UJ	0.23	U	0.0046	UJ	0.0042	UJ	0.0042	UJ	0.0047	UJ	0.0045	U	0.0039	U	0.0049	U	0.0044	U	0.0043	U	0.0051	UJ	0.0044	UJ
Bromomethane	NVG	NVG	NVG	0.12	U	0.0019	J	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	UJ
Vinyl chloride	0.02	0.02	13	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	UJ
Chloroethane	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,1-Dichloroethene	0.33	0.33	500	0.059	U	0.0013	UJ	0.058	U	0.0011	UJ	0.001	UJ	0.001	UJ	0.0012	UJ	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
trans-1,2-Dichloroethene	0.19	0.19	500	0.089	U	0.0058		0.087	U	0.0017	U	0.0016	U	0.0016	U	0.0018	U	0.0017	U	0.0015	U	0.0018	U	0.0017	U	0.0016	U	0.0019	UJ	0.0016	U
Trichloroethene	0.47	0.47	200	0.019	J	0.16		0.028	J	0.0033		0.00039	J	0.00024	J	0.00024	J	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.001	J	0.00055	U
1,2-Dichlorobenzene	1.1	1.1	500	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,3-Dichlorobenzene	2.4	2.4	280	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,4-Dichlorobenzene	1.8	1.8	130	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
Methyl tert butyl ether	0.93	0.93	500	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
p/m-Xylene	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
o-Xylene	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
Xylenes, Total	0.26	1.6	500	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
cis-1,2-Dichloroethene	0.25	0.25	500	0.012	J	0.23		0.08		0.0056		0.00093	J	0.0011		0.00096	J	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0014	J	0.0011	U
1,2-Dichloroethene, Total	NVG	NVG	NVG	0.012	J	0.24		0.08		0.0056		0.00093	J	0.0011		0.00096	J	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0014	J	0.0011	U
Dibromomethane	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
Styrene	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
Dichlorodifluoromethane	NVG	NVG	NVG	0.59	U	0.013	UJ	0.58	U	0.011	UJ	0.01	UJ	0.01	UJ	0.012	UJ	0.011	U	0.0098	U	0.012	U	0.011	U	0.011	U	0.013	UJ	0.011	UJ
Acetone	0.05	0.05	500	0.59	U	0.013	U	0.58	U	0.011	U	0.01	U	0.01	U	0.012	U	0.011	U	0.0098	U	0.012	U	0.011	U	0.011	U	0.0094	J	0.011	UJ
Carbon disulfide	NVG	NVG	NVG	0.59	U	0.013	U	0.58	U	0.011	U	0.01	U	0.01	U	0.012	U	0.011	U	0.0098	U	0.012	U	0.011	U	0.011	U	0.013	UJ	0.011	U
2-Butanone	0.12	0.12	500	0.59	U	0.013	U	0.58	U	0.011	U	0.01	U	0.01	U	0.012	U	0.011	U	0.0098	U	0.012	U	0.011	U	0.011	U	0.013	UJ	0.011	UJ

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-1 (0-5) 1/21/2020 0-5		SB-1 (5-10) 1/21/2020 5-10		SB-1 (5-10) 1/21/2020 5-10		SB-1 (10-15) 1/21/2020 10-15		SB-1 (15-20) 1/21/2020 15-20		SB-1 (20-25) 1/21/2020 20-25		SB-1 (25-30) 1/21/2020 25-30		SB-1 (30-35) 1/21/2020 30-35		SB-1 (35-40) 1/21/2020 35-40		SB-1 (40-45) 1/21/2020 40-45		SB-1 (45-50) 1/21/2020 45-50		SB-1 (50-55) 1/21/2020 50-55		SB-1 (55-60) 1/21/2020 55-60		SB-1 (60-65) 1/21/2020 60-65	
Vinyl acetate	NVG	NVG	NVG	0.59	U	0.013	U	0.58	U	0.011	U	0.01	U	0.01	U	0.012	U	0.011	U	0.0098	U	0.012	U	0.011	U	0.011	U	0.013	UJ	0.011	U
4-Methyl-2-pentanone	NVG	NVG	NVG	0.59	U	0.013	U	0.58	U	0.011	U	0.01	U	0.01	U	0.012	U	0.011	U	0.0098	U	0.012	U	0.011	U	0.011	U	0.013	UJ	0.011	U
1,2,3-Trichloropropane	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
2-Hexanone	NVG	NVG	NVG	0.59	U	0.013	UJ	0.58	U	0.011	U	0.01	U	0.01	U	0.012	U	0.011	U	0.0098	U	0.012	U	0.011	U	0.011	U	0.013	UJ	0.011	U
Bromochloromethane	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
2,2-Dichloropropane	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,2-Dibromoethane	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
1,3-Dichloropropane	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,1,1,2-Tetrachloroethane	NVG	NVG	NVG	0.03	U	0.00066	U	0.029	U	0.00057	U	0.00052	U	0.00052	U	0.00059	U	0.00056	U	0.00049	U	0.00062	U	0.00055	U	0.00054	U	0.00064	UJ	0.00055	U
Bromobenzene	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
n-Butylbenzene	12	12	500	0.059	U	0.00026	J	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
sec-Butylbenzene	11	11	500	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
tert-Butylbenzene	5.9	5.9	500	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
o-Chlorotoluene	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
p-Chlorotoluene	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,2-Dibromo-3-chloropropane	NVG	NVG	NVG	0.18	U	0.004	U	0.17	U	0.0034	U	0.0031	U	0.0031	U	0.0035	U	0.0033	U	0.0029	U	0.0037	U	0.0033	U	0.0032	U	0.0038	UJ	0.0033	U
Hexachlorobutadiene	NVG	NVG	NVG	0.24	U	0.0053	U	0.23	U	0.0046	U	0.0042	U	0.0042	U	0.0047	U	0.0045	U	0.0039	U	0.0049	U	0.0044	U	0.0043	U	0.0051	UJ	0.0044	U
Isopropylbenzene	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
p-Isopropyltoluene	NVG	NVG	NVG	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
Naphthalene	12	12	500	0.056	J	0.0053	U	0.23	U	0.0008	J	0.0042	U	0.0042	U	0.0047	U	0.0045	U	0.0039	U	0.0049	U	0.0044	U	0.0043	U	0.0051	UJ	0.0044	U
Acrylonitrile	NVG	NVG	NVG	0.24	U	0.0053	U	0.23	U	0.0046	U	0.0042	U	0.0042	U	0.0047	U	0.0045	U	0.0039	U	0.0049	U	0.0044	U	0.0043	U	0.0051	UJ	0.0044	UJ
n-Propylbenzene	3.9	3.9	500	0.059	U	0.0013	U	0.058	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.0011	U	0.00098	U	0.0012	U	0.0011	U	0.0011	U	0.0013	UJ	0.0011	U
1,2,3-Trichlorobenzene	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,2,4-Trichlorobenzene	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,3,5-Trimethylbenzene	8.4	8.4	190	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,2,4-Trimethylbenzene	3.6	3.6	190	0.037	J	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,4-Dioxane	0.1	0.1	130	4.7	U	0.11	U	4.6	U	0.092	U	0.083	U	0.083	U	0.094	U	0.089	U	0.078	U	0.099	U	0.089	U	0.087	U	0.1	UJ	0.088	U
p-Diethylbenzene	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
p-Ethyltoluene	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
1,2,4,5-Tetramethylbenzene	NVG	NVG	NVG	0.013	J	0.001	J	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
Ethyl ether	NVG	NVG	NVG	0.12	U	0.0027	U	0.12	U	0.0023	U	0.0021	U	0.0021	U	0.0024	U	0.0022	U	0.002	U	0.0025	U	0.0022	U	0.0022	U	0.0026	UJ	0.0022	U
trans-1,4-Dichloro-2-butene	NVG	NVG	NVG	0.3	U	0.0066	U	0.29	U	0.0057	U	0.0052	U	0.0052	U	0.0059	U	0.0056	U	0.0049	U	0.0062	U	0.0055	U	0.0054	U	0.0064	UJ	0.0055	U

Notes:
Q - Qualifier
mg/kg - milligrams per kilogram
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYC Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Protectic and Restricted-Commercial
NVG - No Value Given. There is no SCO for this compound.
U - Not detected at the reported detection limit for the sample.
J - Estimated Concentration
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Unrestricted Use SCOs and Part 375 Protection of Groundwater SCOs

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-2 (0-5) 1/22/2020 0-5		SB-2 (5-10) 1/22/2020 5-10		SB-2 (10-15) 1/22/2020 10-15		SB-2 (15-20) 1/22/2020 15-20		SB-2 (20-25) 1/22/2020 20-25		SB-2 (25-30) 1/23/2020 25-30		SB-2 (30-35) 1/23/2020 30-35		SB-2 (35-40) 1/23/2020 35-40		SB-2 (40-45) 1/23/2020 40-45		SB-2 (45-50) 1/23/2020 45-50		SB-2 (50-55) 1/23/2020 50-55		SB-2 (55-60) 1/23/2020 55-60		SB-2 (60-65) 1/23/2020 60-65	
Volatile Organic Compounds	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Methylene chloride	0.05	0.05	500	0.0046	U	0.005	U	0.0051	U	0.0049	U	0.0053	U	0.0055	U	0.0052	U	0.0053	U	0.0048	U	0.0053	U	0.0053	U	0.005	U	0.005	U
1,1-Dichloroethane	0.27	0.27	240	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
Chloroform	0.37	0.37	350	0.00028	J	0.00025	J	0.0015	U	0.0015	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U	0.0014	U	0.0016	U	0.0016	U	0.0015	U	0.0015	U
Carbon tetrachloride	0.76	0.76	22	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
1,2-Dichloropropane	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
Dibromochloromethane	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
1,1,2-Trichloroethane	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
Tetrachloroethene	1.3	1.3	150	0.057		0.0012		0.0025		0.0023		0.0027		0.0059		0.0067		0.0034		0.003		0.0025		0.0029		0.016		0.036	
Chlorobenzene	1.1	1.1	500	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
Trichlorofluoromethane	NVG	NVG	NVG	0.0037	U	0.004	U	0.0041	U	0.0039	U	0.0042	U	0.0044	U	0.0041	U	0.0042	U	0.0038	U	0.0043	U	0.0042	U	0.004	U	0.004	U
1,2-Dichloroethane	0.02	0.02	30	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
1,1,1-Trichloroethane	0.68	0.68	500	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
Bromodichloromethane	NVG	NVG	NVG	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
trans-1,3-Dichloropropene	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
cis-1,3-Dichloropropene	NVG	NVG	NVG	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
1,3-Dichloropropene, Total	NVG	NVG	NVG	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
1,1-Dichloropropene	NVG	NVG	NVG	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
Bromoform	NVG	NVG	NVG	0.0037	U	0.004	U	0.0041	U	0.0039	U	0.0042	U	0.0044	U	0.0041	U	0.0042	U	0.0038	U	0.0043	U	0.0042	U	0.004	U	0.004	U
1,1,2,2-Tetrachloroethane	NVG	NVG	NVG	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
Benzene	0.06	0.06	44	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
Toluene	0.7	0.7	500	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
Ethylbenzene	1	1	390	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
Chloromethane	NVG	NVG	NVG	0.0037	UJ	0.004	UJ	0.0041	U	0.0039	U	0.0042	U	0.0044	UJ	0.0041	UJ	0.0042	UJ	0.0038	UJ	0.0043	UJ	0.0042	UJ	0.004	UJ	0.004	UJ
Bromomethane	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	UJ	0.002	UJ	0.0021	UJ	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
Vinyl chloride	0.02	0.02	13	0.00093	UJ	0.001	UJ	0.001	U	0.00098	U	0.001	U	0.0011	UJ	0.001	UJ	0.001	UJ	0.00095	UJ	0.0011	UJ	0.001	UJ	0.001	UJ	0.001	UJ
Chloroethane	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	UJ	0.0021	UJ	0.0021	UJ	0.0019	UJ	0.0021	UJ	0.0021	UJ	0.002	UJ	0.002	UJ
1,1-Dichloroethene	0.33	0.33	500	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
trans-1,2-Dichloroethene	0.19	0.19	500	0.0014	U	0.0015	U	0.0015	U	0.0015	U	0.0016	U	0.00048	J	0.00038	J	0.00047	J	0.00044	J	0.00052	J	0.00054	J	0.0005	J	0.00047	J
Trichloroethene	0.47	0.47	200	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
1,2-Dichlorobenzene	1.1	1.1	500	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,3-Dichlorobenzene	2.4	2.4	280	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,4-Dichlorobenzene	1.8	1.8	130	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
Methyl tert butyl ether	0.93	0.93	500	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
p/m-Xylene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
o-Xylene	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
Xylenes, Total	0.26	1.6	500	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
cis-1,2-Dichloroethene	0.25	0.25	500	0.00093	U	0.001	U	0.001	U	0.00017	J	0.001	U	0.00027	J	0.00025	J	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
1,2-Dichloroethene, Total	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00017	J	0.001	U	0.00075	J	0.00063	J	0.00047	J	0.00044	J	0.00052	J	0.00054	J	0.0005	J	0.00047	J
Dibromomethane	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
Styrene	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
Dichlorodifluoromethane	NVG	NVG	NVG	0.0093	UJ	0.01	UJ	0.01	U	0.0098	U	0.01	U	0.011	UJ	0.01	UJ	0.01	UJ	0.0095	UJ	0.011	UJ	0.01	UJ	0.01	UJ	0.01	UJ
Acetone	0.05	0.05	500	0.0093	U	0.01	U	0.01	U	0.0098	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0095	U	0.011	U	0.01	U	0.01	U	0.01	U
Carbon disulfide	NVG	NVG	NVG	0.0093	U	0.01	U	0.01	U	0.0098	U	0.01	U	0.011	UJ	0.01	UJ	0.01	UJ	0.0095	UJ	0.011	UJ	0.01	UJ	0.01	UJ	0.01	UJ
2-Butanone	0.12	0.12	500	0.0093	U	0.01	U	0.01	U	0.0098	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0095	U	0.011	U	0.01	U	0.01	U	0.01	U

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-2 (0-5) 1/22/2020 0-5		SB-2 (5-10) 1/22/2020 5-10		SB-2 (10-15) 1/22/2020 10-15		SB-2 (15-20) 1/22/2020 15-20		SB-2 (20-25) 1/22/2020 20-25		SB-2 (25-30) 1/23/2020 25-30		SB-2 (30-35) 1/23/2020 30-35		SB-2 (35-40) 1/23/2020 35-40		SB-2 (40-45) 1/23/2020 40-45		SB-2 (45-50) 1/23/2020 45-50		SB-2 (50-55) 1/23/2020 50-55		SB-2 (55-60) 1/23/2020 55-60		SB-2 (60-65) 1/23/2020 60-65	
Vinyl acetate	NVG	NVG	NVG	0.0093	U	0.01	U	0.01	U	0.0098	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0095	U	0.011	U	0.01	U	0.01	U	0.01	U
4-Methyl-2-pentanone	NVG	NVG	NVG	0.0093	U	0.01	U	0.01	U	0.0098	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0095	U	0.011	U	0.01	U	0.01	U	0.01	U
1,2,3-Trichloropropane	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
2-Hexanone	NVG	NVG	NVG	0.0093	U	0.01	U	0.01	U	0.0098	U	0.01	U	0.011	U	0.01	U	0.01	U	0.0095	U	0.011	U	0.01	U	0.01	U	0.01	U
Bromochloromethane	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
2,2-Dichloropropane	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,2-Dibromoethane	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
1,3-Dichloropropane	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,1,1,2-Tetrachloroethane	NVG	NVG	NVG	0.00046	U	0.0005	U	0.00051	U	0.00049	U	0.00053	U	0.00055	U	0.00052	U	0.00053	U	0.00048	U	0.00053	U	0.00053	U	0.0005	U	0.0005	U
Bromobenzene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
n-Butylbenzene	12	12	500	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
sec-Butylbenzene	11	11	500	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
tert-Butylbenzene	5.9	5.9	500	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
o-Chlorotoluene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
p-Chlorotoluene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,2-Dibromo-3-chloropropane	NVG	NVG	NVG	0.0028	U	0.003	U	0.0031	U	0.0029	U	0.0032	U	0.0033	U	0.0031	U	0.0032	U	0.0028	U	0.0032	U	0.0032	U	0.003	U	0.003	U
Hexachlorobutadiene	NVG	NVG	NVG	0.0037	U	0.004	U	0.0041	U	0.0039	U	0.0042	U	0.0044	U	0.0041	U	0.0042	U	0.0038	U	0.0043	U	0.0042	U	0.004	U	0.004	U
Isopropylbenzene	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
p-Isopropyltoluene	NVG	NVG	NVG	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
Naphthalene	12	12	500	0.0037	U	0.004	U	0.0041	U	0.0039	U	0.0042	U	0.0044	U	0.0041	U	0.0042	U	0.0038	U	0.0043	U	0.0042	U	0.004	U	0.004	U
Acrylonitrile	NVG	NVG	NVG	0.0037	U	0.004	U	0.0041	U	0.0039	U	0.0042	U	0.0044	U	0.0041	U	0.0042	U	0.0038	U	0.0043	U	0.0042	U	0.004	U	0.004	U
n-Propylbenzene	3.9	3.9	500	0.00093	U	0.001	U	0.001	U	0.00098	U	0.001	U	0.0011	U	0.001	U	0.001	U	0.00095	U	0.0011	U	0.001	U	0.001	U	0.001	U
1,2,3-Trichlorobenzene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,2,4-Trichlorobenzene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,3,5-Trimethylbenzene	8.4	8.4	190	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,2,4-Trimethylbenzene	3.6	3.6	190	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,4-Dioxane	0.1	0.1	130	0.074	U	0.08	U	0.082	U	0.078	U	0.084	U	0.089	U	0.083	U	0.084	U	0.076	U	0.085	U	0.084	U	0.08	U	0.081	U
p-Diethylbenzene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
p-Ethyltoluene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
1,2,4,5-Tetramethylbenzene	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
Ethyl ether	NVG	NVG	NVG	0.0019	U	0.002	U	0.002	U	0.002	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0019	U	0.0021	U	0.0021	U	0.002	U	0.002	U
trans-1,4-Dichloro-2-butene	NVG	NVG	NVG	0.0046	U	0.005	U	0.0051	U	0.0049	U	0.0053	U	0.0055	U	0.0052	U	0.0053	U	0.0048	U	0.0053	U	0.0053	U	0.005	U	0.005	U

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

LOCATION SAMPLING DATE SAMPLE DEPTH (ft.)	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-3 (0-5) 1/21/2020 0-5		SB-3 (5-10) 1/21/2020 5-10		SB-3 (10-15) 1/21/2020 10-15		SB-3 (15-20) 1/21/2020 15-20		SB-3 (20-25) 1/21/2020 20-25		SB-3 (25-30) 1/22/2020 25-30		SB-3 (30-35) 1/22/2020 30-35		SB-3 (35-40) 1/22/2020 35-40		SB-3 (40-45) 1/22/2020 40-45		SB-3 (45-50) 1/22/2020 45-50		SB-3 (50-55) 1/22/2020 50-55		SB-3 (55-60) 1/22/2020 55-60		SB-3 (60-65) 1/22/2020 60-65		FIELD 1/21/2020		TRIP BLANK 1/21/2020		DUP-1_01212020 1/21/2020 10-15 SB-1 (10-15)	
Volatile Organic Compounds	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	ug/l	Q	ug/l	Q	mg/kg	Q
Methylene chloride	0.05	0.05	500	0.25	U	0.0046	U	0.0052	U	0.0052	U	0.0052	U	0.006	U	0.0052	U	0.0052	U	0.0052	U	0.0049	U	0.0051	U	0.005	U	0.005	U	2.5	U	2.5	U	0.0054	U
1,1-Dichloroethane	0.27	0.27	240	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
Chloroform	0.37	0.37	350	0.076	U	0.00021	J	0.0016	U	0.0016	U	0.0016	U	0.0018	U	0.0016	U	0.0016	U	0.0016	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	2.5	U	2.5	U	0.00089	J
Carbon tetrachloride	0.76	0.76	22	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	0.5	U	0.5	U	0.0011	U
1,2-Dichloropropane	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	1	U	1	U	0.0011	U
Dibromochloromethane	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	0.5	U	0.5	U	0.0011	U
1,1,2-Trichloroethane	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	1.5	U	1.5	U	0.0011	U
Tetrachloroethene	1.3	1.3	150	8.3		0.068		0.0028		0.0037		0.004		0.0063		0.0072		0.003		0.0026		0.0017		0.0017		0.046		0.0063		0.5	U	0.5	U	0.0041	J
Chlorobenzene	1.1	1.1	500	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	2.5	U	2.5	U	0.00054	U
Trichlorofluoromethane	NVG	NVG	NVG	0.2	U	0.0037	U	0.0041	U	0.0042	U	0.0042	U	0.0048	U	0.0042	U	0.0042	U	0.0042	U	0.0039	U	0.0041	U	0.004	U	0.004	U	2.5	U	2.5	U	0.0043	U
1,2-Dichloroethane	0.02	0.02	30	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	0.5	U	0.5	U	0.0011	U
1,1,1-Trichloroethane	0.68	0.68	500	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	2.5	U	2.5	U	0.00054	U
Bromodichloromethane	NVG	NVG	NVG	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	0.5	U	0.5	U	0.00054	U
trans-1,3-Dichloropropene	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	0.5	U	0.5	U	0.0011	U
cis-1,3-Dichloropropene	NVG	NVG	NVG	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	0.5	U	0.5	U	0.00054	U
1,3-Dichloropropene, Total	NVG	NVG	NVG	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	0.5	U	0.5	U	0.00054	U
1,1-Dichloropropene	NVG	NVG	NVG	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	2.5	U	2.5	U	0.00054	U
Bromoform	NVG	NVG	NVG	0.2	U	0.0037	U	0.0041	U	0.0042	U	0.0042	U	0.0048	U	0.0042	U	0.0042	U	0.0042	U	0.0039	U	0.0041	U	0.004	U	0.004	U	2	U	2	U	0.0043	U
1,1,2,2-Tetrachloroethane	NVG	NVG	NVG	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	0.5	U	0.5	U	0.00054	U
Benzene	0.06	0.06	44	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	0.5	U	0.5	U	0.00054	U
Toluene	0.7	0.7	500	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
Ethylbenzene	1	1	390	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
Chloromethane	NVG	NVG	NVG	0.2	U	0.0037	UJ	0.0041	UJ	0.0042	UJ	0.0042	UJ	0.0048	UJ	0.0042	UJ	0.0042	UJ	0.0042	UJ	0.0039	UJ	0.0041	UJ	0.004	UJ	0.004	UJ	2.5	U	2.5	U	0.0043	UJ
Bromomethane	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	UJ	0.0021	UJ	0.0021	UJ	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	UJ	2.5	UJ	0.0021	UJ
Vinyl chloride	0.02	0.02	13	0.051	U	0.00093	UJ	0.001	UJ	0.001	UJ	0.001	UJ	0.0012	UJ	0.001	UJ	0.001	UJ	0.001	UJ	0.00097	UJ	0.001	UJ	0.00099	UJ	0.001	UJ	1	U	1	U	0.0011	UJ
Chloroethane	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,1-Dichloroethene	0.33	0.33	500	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	0.5	U	0.5	U	0.0011	U
trans-1,2-Dichloroethene	0.19	0.19	500	0.076	U	0.0014	U	0.0016	U	0.0016	U	0.0016	U	0.0018	U	0.0016	U	0.0016	U	0.0016	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	2.5	U	2.5	U	0.0016	U
Trichloroethene	0.47	0.47	200	0.21		0.0031		0.00035	J	0.00041	J	0.00031	J	0.00026	J	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0016		0.0005	U	0.5	U	0.5	U	0.00068	
1,2-Dichlorobenzene	1.1	1.1	500	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,3-Dichlorobenzene	2.4	2.4	280	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,4-Dichlorobenzene	1.8	1.8	130	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
Methyl tert butyl ether	0.93	0.93	500	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
p/m-Xylene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
o-Xylene	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
Xylenes, Total	0.26	1.6	500	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
cis-1,2-Dichloroethene	0.25	0.25	500	0.23		0.0022		0.0014		0.001		0.00076	J	0.00082	J	0.00076	J	0.001	U	0.001	U	0.00097	U	0.001	U	0.0016		0.001	U	2.5	U	2.5	U	0.0013	
1,2-Dichloroethene, Total	NVG	NVG	NVG	0.23		0.0022		0.0014		0.001		0.00076	J	0.00082	J	0.00076	J	0.001	U	0.001	U	0.00097	U	0.001	U	0.0016		0.001	U	2.5	U	2.5	U	0.0013	
Dibromomethane	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	5	U	5	U	0.0021	U
Styrene	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
Dichlorodifluoromethane	NVG	NVG	NVG	0.51	U	0.0093	UJ	0.01	UJ	0.01	UJ	0.01	UJ	0.012	UJ	0.01	UJ	0.01	UJ	0.01	UJ	0.0097	UJ	0.01	UJ	0.0099	UJ	0.01	UJ	5	U	5	U	0.011	UJ
Acetone	0.05	0.05	500	0.51	U	0.0093	U	0.01	UJ	0.01	UJ	0.01	UJ	0.012	U	0.01	U	0.01	U	0.01	U	0.0097	U	0.01	U	0.0099	U	0.01	U	2	U	2	U	0.011	UJ
Carbon disulfide	NVG	NVG	NVG	0.51	U	0.0093	U	0.01	U	0.01	U	0.01	U	0.012	U	0.01	U	0.01	U	0.01	U	0.0097	U	0.01	U	0.0099	U	0.01	U	5	U	5	U	0.011	U
2-Butanone	0.12	0.12	500	0.51	U	0.0093	U	0.01	UJ	0.01	UJ	0.01	UJ	0.012	U	0.01	U	0.01	U	0.01	U	0.0097	U	0.01	U	0.0099	U	0.01	U	5	U	5	U	0.011	UJ

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

LOCATION SAMPLING DATE SAMPLE DEPTH (ft.)	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-3 (0-5) 1/21/2020 0-5		SB-3 (5-10) 1/21/2020 5-10		SB-3 (10-15) 1/21/2020 10-15		SB-3 (15-20) 1/21/2020 15-20		SB-3 (20-25) 1/21/2020 20-25		SB-3 (25-30) 1/22/2020 25-30		SB-3 (30-35) 1/22/2020 30-35		SB-3 (35-40) 1/22/2020 35-40		SB-3 (40-45) 1/22/2020 40-45		SB-3 (45-50) 1/22/2020 45-50		SB-3 (50-55) 1/22/2020 50-55		SB-3 (55-60) 1/22/2020 55-60		SB-3 (60-65) 1/22/2020 60-65		FIELD 1/21/2020		TRIP BLANK 1/21/2020		DUP-1_01212020 1/21/2020 10-15 SB-1 (10-15)	
Vinyl acetate	NVG	NVG	NVG	0.51	U	0.0093	U	0.01	U	0.01	U	0.01	U	0.012	U	0.01	U	0.01	U	0.01	U	0.0097	U	0.01	U	0.0099	U	0.01	U	5	U	5	U	0.011	U
4-Methyl-2-pentanone	NVG	NVG	NVG	0.51	U	0.0093	U	0.01	U	0.01	U	0.01	U	0.012	U	0.01	U	0.01	U	0.01	U	0.0097	U	0.01	U	0.0099	U	0.01	U	5	UJ	5	UJ	0.011	U
1,2,3-Trichloropropane	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
2-Hexanone	NVG	NVG	NVG	0.51	U	0.0093	U	0.01	U	0.01	U	0.01	U	0.012	U	0.01	U	0.01	U	0.01	U	0.0097	U	0.01	U	0.0099	U	0.01	U	5	U	5	U	0.011	U
Bromochloromethane	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
2,2-Dichloropropane	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,2-Dibromoethane	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2	U	2	U	0.0011	U
1,3-Dichloropropane	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,1,1,2-Tetrachloroethane	NVG	NVG	NVG	0.025	U	0.00046	U	0.00052	U	0.00052	U	0.00052	U	0.0006	U	0.00052	U	0.00052	U	0.00052	U	0.00049	U	0.00051	U	0.0005	U	0.0005	U	2.5	U	2.5	U	0.00054	U
Bromobenzene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
n-Butylbenzene	12	12	500	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
sec-Butylbenzene	11	11	500	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
tert-Butylbenzene	5.9	5.9	500	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
o-Chlorotoluene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
p-Chlorotoluene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,2-Dibromo-3-chloropropane	NVG	NVG	NVG	0.15	U	0.0028	U	0.0031	U	0.0031	U	0.0031	U	0.0036	U	0.0031	U	0.0031	U	0.0031	U	0.0029	U	0.0031	U	0.003	U	0.003	U	2.5	U	2.5	U	0.0032	U
Hexachlorobutadiene	NVG	NVG	NVG	0.2	U	0.0037	U	0.0041	U	0.0042	U	0.0042	U	0.0048	U	0.0042	U	0.0042	U	0.0042	U	0.0039	U	0.0041	U	0.004	U	0.004	U	2.5	U	2.5	U	0.0043	U
Isopropylbenzene	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
p-Isopropyltoluene	NVG	NVG	NVG	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
Naphthalene	12	12	500	0.2	U	0.0037	U	0.0041	U	0.0042	U	0.0042	U	0.0048	U	0.0042	U	0.0042	U	0.0042	U	0.0039	U	0.0041	U	0.004	U	0.004	U	2.5	U	2.5	U	0.0012	J
Acrylonitrile	NVG	NVG	NVG	0.2	U	0.0037	U	0.0041	UJ	0.0042	UJ	0.0042	UJ	0.0048	U	0.0042	U	0.0042	U	0.0042	U	0.0039	U	0.0041	U	0.004	U	0.004	U	5	U	5	U	0.0043	UJ
n-Propylbenzene	3.9	3.9	500	0.051	U	0.00093	U	0.001	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.00097	U	0.001	U	0.00099	U	0.001	U	2.5	U	2.5	U	0.0011	U
1,2,3-Trichlorobenzene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,2,4-Trichlorobenzene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,3,5-Trimethylbenzene	8.4	8.4	190	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,2,4-Trimethylbenzene	3.6	3.6	190	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
1,4-Dioxane	0.1	0.1	130	4.1	U	0.074	U	0.083	U	0.083	U	0.084	U	0.095	U	0.083	U	0.083	U	0.083	U	0.078	U	0.082	U	0.079	U	0.08	U	250	U	250	U	0.086	U
p-Diethylbenzene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2	U	2	U	0.0021	U
p-Ethyltoluene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2	U	2	U	0.0021	U
1,2,4,5-Tetramethylbenzene	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2	U	2	U	0.0021	U
Ethyl ether	NVG	NVG	NVG	0.1	U	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0024	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.002	U	2.5	U	2.5	U	0.0021	U
trans-1,4-Dichloro-2-butene	NVG	NVG	NVG	0.25	U	0.0046	U	0.0052	U	0.0052	U	0.0052	U	0.006	U	0.0052	U	0.0052	U	0.0052	U	0.0049	U	0.0051	U	0.005	U	0.005	U	2.5	U	2.5	U	0.0054	U

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-1 (0-5) 1/21/2020 0-5		SB-1 (5-10) 1/21/2020 5-10		SB-1 (10-15) 1/21/2020 10-15		SB-1 (55-60) 1/21/2020 55-60		SB-1 (60-65) 1/21/2020 60-65		DUP-1_01212020 1/21/2020 10-15 SB-1 (10-15)	
Semi Volatile Organic Compounds	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Acenaphthene	20	98	500	0.062	J	0.046	J	0.14	U	0.15	U	0.15	U	0.14	U
1,2,4-Trichlorobenzene	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Hexachlorobenzene	0.33	3.2	6	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U
Bis(2-chloroethyl)ether	NVG	NVG	NVG	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U
2-Chloronaphthalene	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
1,2-Dichlorobenzene	1.1	1.1	500	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
1,3-Dichlorobenzene	2.4	2.4	280	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
1,4-Dichlorobenzene	1.8	1.8	130	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
3,3'-Dichlorobenzidine	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
2,4-Dinitrotoluene	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
2,6-Dinitrotoluene	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Fluoranthene	100	1000	500	0.89		0.9		0.028	J	0.11	U	0.11	U	0.078	J
4-Chlorophenyl phenyl ether	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
4-Bromophenyl phenyl ether	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Bis(2-chloroisopropyl)ether	NVG	NVG	NVG	0.22	U	0.23	U	0.21	U	0.22	U	0.23	U	0.21	U
Bis(2-chloroethoxy)methane	NVG	NVG	NVG	0.2	U	0.21	U	0.19	U	0.2	U	0.21	U	0.19	U
Hexachlorobutadiene	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Hexachlorocyclopentadiene	NVG	NVG	NVG	0.52	U	0.55	U	0.51	U	0.53	UJ	0.55	U	0.5	U
Hexachloroethane	NVG	NVG	NVG	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U
Isophorone	NVG	NVG	NVG	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U
Naphthalene	12	12	500	0.066	J	0.029	J	0.18	U	0.18	U	0.19	U	0.18	U
Nitrobenzene	NVG	NVG	NVG	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U
NDPA/DPA	NVG	NVG	NVG	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U
n-Nitrosodi-n-propylamine	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Bis(2-ethylhexyl)phthalate	NVG	NVG	NVG	0.066	J	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Butyl benzyl phthalate	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Di-n-butylphthalate	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Di-n-octylphthalate	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Diethyl phthalate	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Dimethyl phthalate	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Benzo(a)anthracene	1	1	5.6	0.42		0.32		0.11	U	0.11	U	0.11	U	0.031	J
Benzo(a)pyrene	1	22	1	0.33		0.21		0.14	U	0.15	U	0.15	U	0.14	U
Benzo(b)fluoranthene	1	1.7	5.6	0.49		0.28		0.11	U	0.11	U	0.11	U	0.031	J
Benzo(k)fluoranthene	0.8	1.7	56	0.2		0.13		0.11	U	0.11	U	0.11	U	0.1	U
Chrysene	1	1	56	0.42		0.35		0.11	U	0.11	U	0.11	U	0.026	J
Acenaphthylene	100	107	500	0.05	J	0.056	J	0.14	U	0.15	U	0.15	U	0.14	U
Anthracene	100	1000	500	0.19		0.12		0.11	U	0.11	U	0.11	U	0.1	U
Benzo(ghi)perylene	100	1000	500	0.33		0.24		0.14	U	0.15	U	0.15	U	0.14	U
Fluorene	30	386	500	0.077	J	0.07	J	0.18	U	0.18	U	0.19	U	0.18	U
Phenanthrene	100	1000	500	0.7		0.78		0.032	J	0.11	U	0.11	U	0.073	J
Dibenzo(a,h)anthracene	0.33	1000	0.56	0.078	J	0.05	J	0.11	U	0.11	U	0.11	U	0.1	U

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-1 (0-5) 1/21/2020 0-5		SB-1 (5-10) 1/21/2020 5-10		SB-1 (10-15) 1/21/2020 10-15		SB-1 (55-60) 1/21/2020 55-60		SB-1 (60-65) 1/21/2020 60-65		DUP-1_01212020 1/21/2020 10-15 SB-1 (10-15)	
Indeno(1,2,3-cd)pyrene	0.5	8.2	5.6	0.34		0.25		0.14	U	0.15	U	0.15	U	0.14	U
Pyrene	100	1000	500	0.8		0.72		0.021	J	0.11	U	0.11	U	0.057	J
Biphenyl	NVG	NVG	NVG	0.42	U	0.44	U	0.4	U	0.42	U	0.44	U	0.4	U
4-Chloroaniline	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Nitroaniline	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
3-Nitroaniline	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
4-Nitroaniline	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Dibenzofuran	7	210	350	0.049	J	0.034	J	0.18	U	0.18	U	0.19	U	0.18	U
2-Methylnaphthalene	NVG	NVG	NVG	0.03	J	0.23	U	0.21	U	0.22	U	0.23	U	0.21	U
1,2,4,5-Tetrachlorobenzene	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Acetophenone	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
2,4,6-Trichlorophenol	NVG	NVG	NVG	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U
p-Chloro-m-cresol	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Chlorophenol	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
2,4-Dichlorophenol	NVG	NVG	NVG	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U
2,4-Dimethylphenol	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Nitrophenol	NVG	NVG	NVG	0.4	U	0.42	U	0.38	U	0.4	U	0.41	U	0.38	U
4-Nitrophenol	NVG	NVG	NVG	0.26	U	0.27	U	0.25	U	0.26	U	0.27	U	0.25	U
2,4-Dinitrophenol	NVG	NVG	NVG	0.88	U	0.93	U	0.85	U	0.89	U	0.92	U	0.85	U
4,6-Dinitro-o-cresol	NVG	NVG	NVG	0.48	U	0.5	U	0.46	U	0.48	U	0.5	U	0.46	U
Pentachlorophenol	0.8	0.8	6.7	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U
Phenol	0.33	0.33	500	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Methylphenol	0.33	0.33	500	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	0.33	500	0.26	U	0.28	U	0.26	U	0.27	U	0.28	U	0.25	U
2,4,5-Trichlorophenol	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Benzoic Acid	NVG	NVG	NVG	0.59	R	0.63	R	0.57	R	0.6	U	0.62	R	0.57	R
Benzyl Alcohol	NVG	NVG	NVG	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
Carbazole	NVG	NVG	NVG	0.05	J	0.047	J	0.18	U	0.18	U	0.19	U	0.18	U
1,4-Dioxane	0.1	0.1	130	0.028	U	0.029	U	0.026	U	0.028	U	0.029	U	0.026	U

Notes:
Q - Qualifier
mg/kg - milligrams per kilogram
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYC
Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Protecti
and Restricted-Commercial
NVG - No Value Given. There is no SCO for this compound.
U - Not detected at the reported detection limit for the sample.
J - Estimated Concentration
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Unrestricted Use SCOs and Part 375 Protection of Groundwater SCOs

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-2 (0-5) 1/22/2020 0-5		SB-2 (5-10) 1/22/2020 5-10		SB-2 (10-15) 1/22/2020 10-15		SB-3 (0-5) 1/21/2020 0-5		SB-3 (5-10) 1/21/2020 5-10		SB-3 (10-15) 1/21/2020 10-15	
Semi Volatile Organic Compounds	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Acenaphthene	20	98	500	0.06	J	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U
1,2,4-Trichlorobenzene	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Hexachlorobenzene	0.33	3.2	6	0.11	U	0.11	U	0.1	U	0.12	U	0.11	U	0.1	U
Bis(2-chloroethyl)ether	NVG	NVG	NVG	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U
2-Chloronaphthalene	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
1,2-Dichlorobenzene	1.1	1.1	500	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
1,3-Dichlorobenzene	2.4	2.4	280	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
1,4-Dichlorobenzene	1.8	1.8	130	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
3,3'-Dichlorobenzidine	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2,4-Dinitrotoluene	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2,6-Dinitrotoluene	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Fluoranthene	100	1000	500	1.4		0.11	U	0.1	U	0.36		0.04	J	0.1	U
4-Chlorophenyl phenyl ether	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
4-Bromophenyl phenyl ether	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Bis(2-chloroisopropyl)ether	NVG	NVG	NVG	0.22	U	0.22	U	0.21	U	0.23	U	0.23	U	0.21	U
Bis(2-chloroethoxy)methane	NVG	NVG	NVG	0.2	U	0.2	U	0.19	U	0.21	U	0.2	U	0.19	U
Hexachlorobutadiene	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Hexachlorocyclopentadiene	NVG	NVG	NVG	0.52	U	0.53	U	0.49	U	0.55	U	0.54	U	0.5	U
Hexachloroethane	NVG	NVG	NVG	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U
Isophorone	NVG	NVG	NVG	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U
Naphthalene	12	12	500	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Nitrobenzene	NVG	NVG	NVG	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U
NDPA/DPA	NVG	NVG	NVG	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U
n-Nitrosodi-n-propylamine	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Bis(2-ethylhexyl)phthalate	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Butyl benzyl phthalate	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Di-n-butylphthalate	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Di-n-octylphthalate	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Diethyl phthalate	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Dimethyl phthalate	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Benzo(a)anthracene	1	1	5.6	0.59		0.11	U	0.1	U	0.23		0.026	J	0.1	U
Benzo(a)pyrene	1	22	1	0.49		0.15	U	0.14	U	0.24		0.15	U	0.14	U
Benzo(b)fluoranthene	1	1.7	5.6	0.64		0.11	U	0.1	U	0.28		0.04	J	0.1	U
Benzo(k)fluoranthene	0.8	1.7	56	0.26		0.11	U	0.1	U	0.096	J	0.11	U	0.1	U
Chrysene	1	1	56	0.51		0.11	U	0.1	U	0.21		0.026	J	0.1	U
Acenaphthylene	100	107	500	0.029	J	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U
Anthracene	100	1000	500	0.2		0.11	U	0.1	U	0.046	J	0.11	U	0.1	U
Benzo(ghi)perylene	100	1000	500	0.32		0.15	U	0.14	U	0.16		0.025	J	0.14	U
Fluorene	30	386	500	0.056	J	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Phenanthrene	100	1000	500	0.73		0.11	U	0.1	U	0.15		0.11	U	0.1	U
Dibenzo(a,h)anthracene	0.33	1000	0.56	0.064	J	0.11	U	0.1	U	0.04	J	0.11	U	0.1	U

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-2 (0-5) 1/22/2020 0-5		SB-2 (5-10) 1/22/2020 5-10		SB-2 (10-15) 1/22/2020 10-15		SB-3 (0-5) 1/21/2020 0-5		SB-3 (5-10) 1/21/2020 5-10		SB-3 (10-15) 1/21/2020 10-15	
Indeno(1,2,3-cd)pyrene	0.5	8.2	5.6	0.32		0.15	U	0.14	U	0.16		0.15	U	0.14	U
Pyrene	100	1000	500	1.1		0.11	U	0.1	U	0.34		0.034	J	0.1	U
Biphenyl	NVG	NVG	NVG	0.42	U	0.42	U	0.39	U	0.44	U	0.43	U	0.4	U
4-Chloroaniline	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2-Nitroaniline	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
3-Nitroaniline	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
4-Nitroaniline	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Dibenzofuran	7	210	350	0.025	J	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2-Methylnaphthalene	NVG	NVG	NVG	0.22	U	0.22	U	0.21	U	0.23	U	0.23	U	0.21	U
1,2,4,5-Tetrachlorobenzene	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Acetophenone	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2,4,6-Trichlorophenol	NVG	NVG	NVG	0.11	U	0.11	U	0.1	U	0.12	U	0.11	U	0.1	U
p-Chloro-m-cresol	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2-Chlorophenol	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2,4-Dichlorophenol	NVG	NVG	NVG	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U
2,4-Dimethylphenol	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2-Nitrophenol	NVG	NVG	NVG	0.4	U	0.4	U	0.37	U	0.42	U	0.41	U	0.38	U
4-Nitrophenol	NVG	NVG	NVG	0.26	U	0.26	U	0.24	U	0.27	U	0.27	U	0.25	U
2,4-Dinitrophenol	NVG	NVG	NVG	0.88	U	0.89	U	0.83	U	0.93	U	0.92	U	0.84	U
4,6-Dinitro-o-cresol	NVG	NVG	NVG	0.48	U	0.48	U	0.45	U	0.5	U	0.5	U	0.46	U
Pentachlorophenol	0.8	0.8	6.7	0.15	U	0.15	U	0.14	U	0.15	U	0.15	U	0.14	U
Phenol	0.33	0.33	500	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
2-Methylphenol	0.33	0.33	500	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	0.33	500	0.26	U	0.27	U	0.25	U	0.28	U	0.27	U	0.25	U
2,4,5-Trichlorophenol	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Benzoic Acid	NVG	NVG	NVG	0.6	U	0.6	U	0.56	U	0.63	R	0.62	R	0.57	R
Benzyl Alcohol	NVG	NVG	NVG	0.18	U	0.18	U	0.17	U	0.19	U	0.19	U	0.18	U
Carbazole	NVG	NVG	NVG	0.036	J	0.18	U	0.17	U	0.022	J	0.19	U	0.18	U
1,4-Dioxane	0.1	0.1	130	0.028	U	0.028	U	0.026	U	0.029	U	0.029	U	0.026	U

Notes:
Q - Qualifier
mg/kg - milligrams per kilogram
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYC
Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Protecti
and Restricted-Commercial
NVG - No Value Given. There is no SCO for this compound.
U - Not detected at the reported detection limit for the sample.
J - Estimated Concentration
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Unrestricted Use SCOs and Part 375 Protection of Groundwater SCOs

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-1 (0-5) 1/21/2020 0-5		SB-1 (5-10) 1/21/2020 5-10		SB-1 (10-15) 1/21/2020 10-15		SB-1 (55-60) 1/21/2020 55-60		SB-1 (60-65) 1/21/2020 60-65		DUP-1_01212020 1/21/2020 10-15 SB-1 (10-15)	
Total Metals	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Aluminum	NVG	NVG	NVG	3660		7200		3250		2580		1160		3520	
Antimony	NVG	NVG	NVG	0.361	J	4.47	U	4.13	U	4.48	U	4.54	U	4.24	U
Arsenic	13	16	16	5.04		6.92		0.826	U	0.906		0.908	U	0.39	J
Barium	350	820	400	44.4		42.8		18.6		26.6		9.8		20.1	
Beryllium	7.2	47	590	0.12	J	0.304	J	0.107	J	0.054	J	0.454	U	0.076	J
Cadmium	2.5	7.5	9.3	0.628	J	0.34	J	0.24	J	0.296	J	0.227	J	0.203	J
Calcium	NVG	NVG	NVG	4830		1440		490		487		124		484	
Chromium	NVG	NVG	NVG	12.6		15.9		13.8		13		5.09		9.68	
Cobalt	NVG	NVG	NVG	3.11		4.75		8.19		4.19		2.1		3.26	
Copper	50	1720	270	27.2		9.84		7.07		9.28		3.41		6.98	
Iron	NVG	NVG	NVG	8680		11500		8610		11200		8030		6980	
Lead	63	450	1000	**113**		16.6		1.81	J	2.55	J	1.23	J	1.75	J
Magnesium	NVG	NVG	NVG	1560		1180		990		1090		438		974	
Manganese	1600	2000	10000	119	J	267	J	208	J	125	J	79.1	J	144	J
Mercury	0.18	0.73	2.8	**0.345**		**0.244**		0.071	U	0.09	U	0.08	U	0.072	U
Nickel	30	130	310	8.8		7.42		15.2		9.75		5.4		11	
Potassium	NVG	NVG	NVG	338		307		308		715		431		370	
Selenium	3.9	4	1500	1.72	U	1.79	U	1.65	U	1.79	U	1.82	U	1.7	U
Silver	2	8.3	1500	0.86	U	0.893	U	0.826	U	0.897	U	0.908	U	0.848	U
Sodium	NVG	NVG	NVG	54.8	UJ	62.2	UJ	40.6	UJ	58.1	UJ	26.6	UJ	40.9	UJ
Thallium	NVG	NVG	NVG	1.72	U	1.79	U	1.65	U	1.79	U	1.82	U	1.7	U
Vanadium	NVG	NVG	NVG	15.5		19.7		12		11.6		8.78		11.6	
Zinc	109	2480	10000	90.8		20.8		8.7		15.3		9.03		9.77	

Notes:
Q - Qualifier
mg/kg - milligrams per kilogram
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Pro and Restricted-Commercial
NVG - No Value Given. There is no SCO for this compound.
U - Not detected at the reported detection limit for the sample.
J - Estimated Concentration
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Unrestricted Use SCOs and Part 375 Protection of Groundwater SCOs

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-2 (0-5) 1/22/2020 0-5		SB-2 (5-10) 1/22/2020 5-10		SB-2 (10-15) 1/22/2020 10-15		SB-3 (0-5) 1/21/2020 0-5		SB-3 (5-10) 1/21/2020 5-10		SB-3 (10-15) 1/21/2020 10-15		FIELD BLANK_01212020 1/21/2020	
Total Metals	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	ug/l	Q
Aluminum	NVG	NVG	NVG	6970		13000		4760		4720		9630		4250		100	U
Antimony	NVG	NVG	NVG	0.92	U	1.39	J	0.611	J	4.54	U	0.787	J	4.21	U	50	U
Arsenic	13	16	16	4.79		3.39		0.81	U	6.93		5.09		0.48	J	5	U
Barium	350	820	400	140		38.6		27		63.5		73.7		22.1		10	U
Beryllium	7.2	47	590	0.327	J	0.489		0.182	J	0.454	U	0.389	J	0.118	J	5	U
Cadmium	2.5	7.5	9.3	0.447	J	0.356	J	0.149	J	0.535	J	**3.51**		0.252	J	5	U
Calcium	NVG	NVG	NVG	3190		1240		437		92600		1490		484		100	U
Chromium	NVG	NVG	NVG	14.5		24		11.6		11.3		18		13.9		10	U
Cobalt	NVG	NVG	NVG	4.55		7.66		4.24		3.67		6.11		3.87		20	U
Copper	50	1720	270	19.8		10.9		7.18		24.4		23.8		8.4		10	U
Iron	NVG	NVG	NVG	11200		21200		8080		9990		15800		8890		50	U
Lead	63	450	1000	**114**		7.99		1.68	J	**128**		**93.5**		2.3	J	10	U
Magnesium	NVG	NVG	NVG	1450		1610		1240		40900		1570		1130		100	U
Manganese	1600	2000	10000	198		269		189		267	J	316	J	191	J	10	U
Mercury	0.18	0.73	2.8	**0.266**		0.072	U	0.067	U	**0.401**		0.119		0.074	U	0.2	U
Nickel	30	130	310	11.1		12.8		21		7.37		12.6		16.6		25	U
Potassium	NVG	NVG	NVG	414		525		677		428		400		463		2500	U
Selenium	3.9	4	1500	0.43	J	0.551	J	0.264	J	1.81	U	1.85	U	1.68	U	10	U
Silver	2	8.3	1500	0.86	U	0.889	U	0.826	U	0.907	U	0.926	U	0.842	U	7	U
Sodium	NVG	NVG	NVG	87.1	J	136	J	64.7	J	35.4	UJ	46.5	UJ	40	UJ	2000	U
Thallium	NVG	NVG	NVG	1.72	U	1.78	U	1.65	U	1.81	U	1.85	U	1.68	U	3	J
Vanadium	NVG	NVG	NVG	21		31.8		14		18.2		24.1		15.9		10	U
Zinc	109	2480	10000	**239**		20		12.5		87.8		662		12.5		50	U

Notes:
Q - Qualifier
mg/kg - milligrams per kilogram
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Pro and Restricted-Commercial
NVG - No Value Given. There is no SCO for this compound.
U - Not detected at the reported detection limit for the sample.
J - Estimated Concentration
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Unrestricted Use SCOs and Part 375 Protection of Groundwater SCOs

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-1 (0-5) 1/21/2020 0-5		SB-1 (5-10) 1/21/2020 5-10		SB-1 (10-15) 1/21/2020 10-15		SB-1 (55-60) 1/21/2020 55-60		SB-1 (60-65) 1/21/2020 60-65		DUP-1_01212020 1/21/2020 10-15 SB-1 (10-15)	
Organochlorine Pesticides	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Delta-BHC	0.04	0.25	500	0.0172	U	0.00175	U	0.00162	U	0.00179	U	0.00179	U	0.00169	U
Lindane	0.1	0.1	9.2	0.00715	U	0.000729	U	0.000673	U	0.000746	U	0.000747	U	0.000704	U
Alpha-BHC	0.02	0.02	3.4	0.00715	U	0.000729	U	0.000673	U	0.000746	U	0.000747	U	0.000704	U
Beta-BHC	0.036	0.09	3	0.0172	U	0.00175	U	0.00162	U	0.00179	U	0.00179	U	0.00169	U
Heptachlor	0.042	0.38	15	0.00858	U	0.000875	U	0.000808	U	0.000896	U	0.000897	U	0.000844	U
Aldrin	0.005	0.19	0.68	0.0172	U	0.00175	U	0.00162	U	0.00179	U	0.00179	U	0.00169	U
Heptachlor epoxide	NVG	NVG	NVG	0.0322	U	0.00328	U	0.00303	U	0.00336	U	0.00336	U	0.00317	U
Endrin	0.014	0.06	89	0.00715	U	0.000729	U	0.000673	U	0.000746	U	0.000747	U	0.000704	U
Endrin aldehyde	NVG	NVG	NVG	0.0214	U	0.00219	U	0.00202	U	0.00224	U	0.00224	U	0.00211	U
Endrin ketone	NVG	NVG	NVG	0.0172	U	0.00175	U	0.00162	U	0.00179	U	0.00179	U	0.00169	U
Dieldrin	0.005	0.1	1.4	0.0107	U	0.00109	U	0.00101	U	0.00112	U	0.00112	U	0.00106	U
4,4'-DDE	0.0033	17	62	0.0438	J	0.00175	U	0.000386	J	0.00179	U	0.00179	U	0.00169	U
4,4'-DDD	0.0033	14	92	**0.0832**		0.00175	U	0.00162	U	0.00179	U	0.00179	U	0.00169	U
4,4'-DDT	0.0033	136	47	**0.0266**	J	0.00328	U	0.00303	U	0.00336	U	0.00336	U	0.00317	U
Endosulfan I	2.4	102	200	0.0172	U	0.00175	U	0.00162	U	0.00179	U	0.00179	U	0.00169	U
Endosulfan II	2.4	102	200	0.0172	U	0.00175	U	0.00162	U	0.00179	U	0.00179	U	0.00169	U
Endosulfan sulfate	2.4	1000	200	0.00715	U	0.000729	U	0.000673	U	0.000746	U	0.000747	U	0.000704	U
Methoxychlor	NVG	NVG	NVG	0.0322	U	0.00328	U	0.00303	U	0.00336	U	0.00336	U	0.00317	U
Toxaphene	NVG	NVG	NVG	0.322	U	0.0328	U	0.0303	U	0.0336	U	0.0336	U	0.0317	U
cis-Chlordane	0.094	2.9	24	0.0214	U	0.00219	U	0.00202	U	0.000634	J	0.00224	U	0.00211	U
trans-Chlordane	NVG	NVG	NVG	0.0214	U	0.00219	U	0.00202	U	0.00224	U	0.00224	U	0.00211	U
Chlordane	NVG	NVG	NVG	0.139	U	0.0142	U	0.0131	U	0.0146	U	0.0146	U	0.0137	U
Polychlorinated Biphenyls	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Aroclor 1016	0.1	3.2	1	0.0364	U	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
Aroclor 1221	0.1	3.2	1	0.0364	U	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
Aroclor 1232	0.1	3.2	1	0.0364	U	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
Aroclor 1242	0.1	3.2	1	0.0364	U	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
Aroclor 1248	0.1	3.2	1	0.0364	U	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
Aroclor 1254	0.1	3.2	1	0.0364	U	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
Aroclor 1260	0.1	3.2	1	0.0128	J	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
Aroclor 1262	0.1	3.2	1	0.0364	U	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
Aroclor 1268	0.1	3.2	1	0.0364	U	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U
PCBs, Total	0.1	3.2	1	0.0128	J	0.038	U	0.0339	U	0.036	U	0.0378	U	0.0336	U

Notes:
Q - Qualifier
mg/kg - milligrams per kilogram
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Prc and Restricted-Commercial
NVG - No Value Given. There is no SCO for this compound.
U - Not detected at the reported detection limit for the sample.
J - Estimated Concentration
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Unrestricted Use SCOs and Part 375 Protection of Groundwater SCOs

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.) Parent Sample	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-2 (0-5) 1/22/2020 0-5		SB-2 (5-10) 1/22/2020 5-10		SB-2 (10-15) 1/22/2020 10-15		SB-3 (0-5) 1/21/2020 0-5		SB-3 (5-10) 1/21/2020 5-10		SB-3 (10-15) 1/21/2020 10-15		FIELD BLANK_01212020 1/21/2020	
Organochlorine Pesticides	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	ug/l	Q
Delta-BHC	0.04	0.25	500	0.00169	U	0.00173	U	0.00169	U	0.00183	U	0.00186	U	0.0017	U	0.014	U
Lindane	0.1	0.1	9.2	0.000706	U	0.000721	U	0.000706	U	0.000763	U	0.000777	U	0.000709	U	0.014	U
Alpha-BHC	0.02	0.02	3.4	0.000706	U	0.000721	U	0.000706	U	0.000763	U	0.000777	U	0.000709	U	0.014	U
Beta-BHC	0.036	0.09	3	0.00169	U	0.00173	U	0.00169	U	0.00183	U	0.00186	U	0.0017	U	0.014	U
Heptachlor	0.042	0.38	15	0.000847	U	0.000865	U	0.000847	U	0.000916	U	0.000932	U	0.00085	U	0.014	U
Aldrin	0.005	0.19	0.68	0.00169	U	0.00173	U	0.00169	U	0.00183	U	0.00186	U	0.0017	U	0.014	U
Heptachlor epoxide	NVG	NVG	NVG	0.00318	U	0.00324	U	0.00318	U	0.00379		0.0035	U	0.00319	U	0.014	U
Endrin	0.014	0.06	89	0.000706	U	0.000721	U	0.000706	U	0.000763	U	0.000777	U	0.000709	U	0.029	U
Endrin aldehyde	NVG	NVG	NVG	0.00212	U	0.00216	U	0.00212	U	0.00229	U	0.00233	U	0.00213	U	0.029	U
Endrin ketone	NVG	NVG	NVG	0.00169	U	0.00173	U	0.00169	U	0.00183	U	0.00186	U	0.0017	U	0.029	U
Dieldrin	0.005	0.1	1.4	0.00106	U	0.00108	U	0.00106	U	**0.00521**		0.00116	U	0.00106	U	0.029	U
4,4'-DDE	0.0033	17	62	0.00464		0.00173	U	0.00169	U	**0.0235**		0.00186	U	0.0017	U	0.029	U
4,4'-DDD	0.0033	14	92	0.00204	J	0.00173	U	0.00169	U	**0.0509**		0.00186	U	0.0017	U	0.029	U
4,4'-DDT	0.0033	136	47	0.00852	J	0.00324	U	0.00318	U	**0.0691**		0.0035	U	0.00319	U	0.029	U
Endosulfan I	2.4	102	200	0.00169	U	0.00173	U	0.00169	U	0.00183	U	0.00186	U	0.0017	U	0.014	U
Endosulfan II	2.4	102	200	0.00169	U	0.00173	U	0.00169	U	0.00183	U	0.00186	U	0.0017	U	0.029	U
Endosulfan sulfate	2.4	1000	200	0.000706	U	0.000721	U	0.000706	U	0.000763	U	0.000777	U	0.000709	U	0.029	U
Methoxychlor	NVG	NVG	NVG	0.00318	U	0.00324	U	0.00318	U	0.00343	U	0.0035	U	0.00319	U	0.143	U
Toxaphene	NVG	NVG	NVG	0.0318	U	0.0324	U	0.0318	U	0.0343	U	0.035	U	0.0319	U	0.143	U
cis-Chlordane	0.094	2.9	24	0.00303		0.00216	U	0.00212	U	0.00405		0.00233	U	0.00213	U	0.014	U
trans-Chlordane	NVG	NVG	NVG	0.00286	J	0.00216	U	0.00212	U	0.00397	J	0.00233	U	0.00213	U	0.014	U
Chlordane	NVG	NVG	NVG	0.0304		0.014	U	0.0138	U	0.0441		0.0151	U	0.0138	U	0.143	U
Polychlorinated Biphenyls	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	ug/l	Q
Aroclor 1016	0.1	3.2	1	0.0355	U	0.0362	U	0.0341	U	0.0374	U	0.0385	U	0.0341	U	0.083	U
Aroclor 1221	0.1	3.2	1	0.0355	U	0.0362	U	0.0341	U	0.0374	U	0.0385	U	0.0341	U	0.083	U
Aroclor 1232	0.1	3.2	1	0.0355	U	0.0362	U	0.0341	U	0.0374	U	0.0385	U	0.0341	U	0.083	U
Aroclor 1242	0.1	3.2	1	0.0355	U	0.0362	U	0.0341	U	0.0374	U	0.0385	U	0.0341	U	0.083	U
Aroclor 1248	0.1	3.2	1	0.0355	U	0.0362	U	0.0341	U	0.0374	U	0.0385	U	0.0341	U	0.083	U
Aroclor 1254	0.1	3.2	1	0.0355	U	0.0362	U	0.0341	U	0.0433		0.0385	U	0.0341	U	0.083	U
Aroclor 1260	0.1	3.2	1	0.027	J	0.0362	U	0.0341	U	0.0297	J	0.0385	U	0.0341	U	0.083	U
Aroclor 1262	0.1	3.2	1	0.0355	U	0.0362	U	0.0341	U	0.0374	U	0.0385	U	0.0341	U	0.083	U
Aroclor 1268	0.1	3.2	1	0.0355	U	0.0362	U	0.0341	U	0.0374	U	0.0385	U	0.0341	U	0.083	U
PCBs, Total	0.1	3.2	1	0.027	J	0.0362	U	0.0341	U	0.073	J	0.0385	U	0.0341	U	0.083	U

Notes:
Q - Qualifier
mg/kg - milligrams per kilogram
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Prc and Restricted-Commercial
NVG - No Value Given. There is no SCO for this compound.
U - Not detected at the reported detection limit for the sample.
J - Estimated Concentration
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Unrestricted Use SCOs and Part 375 Protection of Groundwater SCOs

Table 1. Validated Soil Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date Sample Depth (ft.)	NY_6 NYCRR 375 SCO UNRESTRICTED USE	NY_6 NYCRR 375 SCO PROTECTION OF GROUNDWATER	NY_6 NYCRR 375 SCO RESTRICTED COMMECIAL	SB-2 (0-5) 1/22/2020 0-5		SB-3 (0-5) 1/22/2020 0-5	
Perfluorinated Alkyl Acids by Isotope Dilution	ug/kg	ug/kg	ug/kg	ug/kg	Q	ug/kg	Q
Perfluorobutanoic Acid (PFBA)	NVG	NVG	NVG	0.053	U	0.039	U
Perfluoropentanoic Acid (PFPeA)	NVG	NVG	NVG	0.149	J	0.215	J
Perfluorobutanesulfonic Acid (PFBS)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluorohexanoic Acid (PFHxA)	NVG	NVG	NVG	0.142	J	0.201	J
Perfluoroheptanoic Acid (PFHpA)	NVG	NVG	NVG	0.179	J	0.05	J
Perfluorohexanesulfonic Acid (PFHxS)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluorooctanoic Acid (PFOA)	0.66	0.8	500	0.544	J	0.231	J
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluoroheptanesulfonic Acid (PFHpS)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluorononanoic Acid (PFNA)	NVG	NVG	NVG	0.176	J	1.04	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	1	440	**6.52**		**20.1**	
Perfluorodecanoic Acid (PFDA)	NVG	NVG	NVG	0.2	J	0.164	J
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NVG	NVG	NVG	1.05	U	1.04	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluoroundecanoic Acid (PFUnA)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluorodecanesulfonic Acid (PFDS)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluorooctanesulfonamide (FOSA)	NVG	NVG	NVG	1.05	U	1.81	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NVG	NVG	NVG	1.05	U	1.69	
Perfluorododecanoic Acid (PFDoA)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluorotridecanoic Acid (PFTrDA)	NVG	NVG	NVG	1.05	U	1.04	U
Perfluorotetradecanoic Acid (PFTA)	NVG	NVG	NVG	1.05	U	1.04	U
PFOA/PFOS, Total	NVG	NVG	NVG	7.06	J	20.3	J

Notes:
Q - Qualifier
mg/kg - milligrams per kilogram
6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYCRR, Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Protection of Groundwater and Restricted-Commercial
NVG - No Value Given. There is no SCO for this compound.
U - Not detected at the reported detection limit for the sample.
J - Estimated Concentration
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Unrestricted Use SCOs and Part 375 Protection of Groundwater SCOs

Table 2. Historical Validated On-Site Groundwater Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hillside Avenue
Queens, New York

Location Sample Date Parent Sample	NY AWQS	MW-1 4/2/2021	MW-2S 4/2/2021	MW-2I 4/2/2021	MW-2D 4/2/2021	MW-3S 4/2/2021	MW-3I 4/2/2021	MW-X 4/2/2021 MW-3I	MW-3D 4/2/2021	TB040221 4/2/2021	FB040221 4/2/2021
1,4 Dioxane by 8270D-SIM	**ug/L**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dioxane	NS	0.139 U	0.156 U	0.144 U	0.15 U	0.15 U	0.156 U	0.144 U	0.144 U	NA	0.144 U
Dissolved Metals	NS										
Aluminum, Dissolved	NS	4.69 J	3.95 J	10 U	10 U	5.89 J	10 U	4.18 J	10 U	NA	NA
Antimony, Dissolved	3	4 U	4 U	0.8 J	4 U	4 U	4 U	4 J	4 U	NA	NA
Arsenic, Dissolved	25	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	0.5 U	NA	NA
Barium, Dissolved	1000	254.1	149	78.91	75.3	72.91	73.75	71.99	66.15	NA	NA
Beryllium, Dissolved	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA
Cadmium, Dissolved	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA
Calcium, Dissolved	NS	106000	60000	33000	42400	36700	36600	35600	41400	NA	NA
Chromium, Dissolved	50	0.29 J	0.25 J	0.69 J	0.24 J	0.4 J	0.67 J	0.94 J	0.63 J	NA	NA
Cobalt, Dissolved		0.39 J	0.5 U	0.5 U	0.3 J	0.18 J	0.19 J	0.21 J	0.17 J	NA	NA
Copper, Dissolved	200	10.82	1 U	0.55 J	1 U	0.39 J	0.41 J	1 U	1.41	NA	NA
Iron, Dissolved	300	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA	NA
Lead, Dissolved	25	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA
Magnesium, Dissolved	35000	**37300**	15200	11300	16600	7790	12400	12000	13200	NA	NA
Manganese, Dissolved	300	20.56	4.06	2.87	8.62	3.72	3.1	3.17	2.76	NA	NA
Mercury, Dissolved	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA
Nickel, Dissolved	100	6.29	3.96	4.86	5.8	2.32	6.21	6.4	6.2	NA	NA
Potassium, Dissolved	NS	3540	2660	2040	2020	2070	2030	1930	1980	NA	NA
Selenium, Dissolved	10	2.27 J	1.84 J	5 U	5 U	1.83 J	5 U	5 U	5 U	NA	NA
Silver, Dissolved	50	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	NA	NA
Sodium, Dissolved	20000	**300000**	**97000**	**89500**	**70200**	**57800**	**74100**	**73300**	**63000**	NA	NA
Thallium, Dissolved	0.5	1 U	1 U	0.19 J	1 U	1 U	1 U	1 U	1 U	NA	NA
Vanadium, Dissolved	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA
Zinc, Dissolved	2000	4.36 J	10 U	10 U	10 U	12.34	3.58 J	4.54 J	10 U	NA	NA
Organochlorine Pesticides	**ug/L**										
4,4'-DDD	0.3	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	NA	0.029 U
4,4'-DDE	0.2	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	NA	0.029 U
4,4'-DDT	0.2	0.029 U	0.006 J	0.029 U	0.029 U	0.008 J	0.029 U	0.029 U	0.029 U	NA	0.029 U
Aldrin	0	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	NA	0.014 U
Alpha-BHC	0.01	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	NA	0.014 U
Beta-BHC	0.04	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	NA	0.014 U
Chlordane	0.05	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	**0.185**	NA	0.143 U
cis-Chlordane	NS	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.015	NA	0.014 U
Delta-BHC	0.04	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	NA	0.014 U
Dieldrin	0.004	0.029 U	0.029 U	0.029 U	**0.007 J**	0.029 U	0.029 U	0.029 U	0.029 U	NA	0.029 U
Endosulfan I	NS	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	NA	0.014 U
Endosulfan II	NS	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	NA	0.029 U
Endosulfan sulfate	NS	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	NA	0.029 U
Endrin	0	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	NA	0.029 U
Endrin aldehyde	5	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	NA	0.029 U
Endrin ketone	5	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	NA	0.029 U
Heptachlor	0.04	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	NA	0.014 U
Heptachlor epoxide	0.03	0.014 U	0.014 U	0.014 U	0.003 J	0.014 U	0.014 U	0.014 U	0.014 U	NA	0.014 U
Lindane	0.05	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	NA	0.014 U
Methoxychlor	35	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	NA	0.143 U
Toxaphene	0.06	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	NA	0.143 U
trans-Chlordane	NS	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.007 J	NA	0.014 U
Perfluorinated Alkyl Acids (PFAS)*	**ug/L***										
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.00185 U	NA	0.00199 U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.00185 U	NA	0.00199 U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.000753 J	NA	0.00199 U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.000953 J	NA	0.00199 U
Perfluorobutanesulfonic Acid (PFBS)	NVG	0.011	0.0145	0.0145	0.00905	0.01	0.0157	0.0147	0.00755	NA	0.00199 U
Perfluorobutanoic Acid (PFBA)	NVG	0.0158	0.0211	0.0164	0.0129	0.00963	0.0167	0.0165	0.011	NA	0.00199 U
Perfluorodecanesulfonic Acid (PFDS)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.00185 U	NA	0.00199 U
Perfluorodecanoic Acid (PFDA)	NVG	0.00175 U	0.00215 U	0.00184 U	0.00125 J	0.00185 U	0.002 UJ	0.00187 UJ	0.000567 J	NA	0.00199 U
Perfluorododecanoic Acid (PFDoA)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.00185 U	NA	0.00199 U
Perfluoroheptanesulfonic Acid (PFHpS)	NVG	0.00175 U	0.00215 U	0.00133 J	0.000818 J	0.00185 U	0.00228	0.00208 J	0.00079 J	NA	0.00199 U
Perfluoroheptanoic Acid (PFHpA)	NVG	0.0114	0.012	0.0154	0.0134	0.0154	0.0171 J	0.0171 J	0.0129	NA	0.00199 U
Perfluorohexanesulfonic Acid (PFHxS)	NVG	0.00906	0.00531	0.00592	0.00785	0.00424	0.00602	0.00597	0.00858	NA	0.00199 U
Perfluorohexanoic Acid (PFHxA)	NVG	0.029	0.0348	0.0349	0.0259	0.0167	0.0367 J	0.0366 J	0.0236	NA	0.00199 U
Perfluorononanoic Acid (PFNA)	NVG	0.00175 U	0.000953 J	0.00184 U	0.000862 J	0.00315	0.000591 J	0.000605 J	0.00163 J	NA	0.00199 U
Perfluorooctanesulfonamide (FOSA)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.00185 U	NA	0.00199 U
Perfluorooctanesulfonic Acid (PFOS)	0.0027	0.00272	0.0129	0.00209 J	0.0182	0.0268	0.00169 U	0.00159 U	0.0105	NA	0.00199 U
Perfluorooctanoic Acid (PFOA)	0.0067	0.0278	0.0277	0.0356	0.0344	0.0364	0.0431 J	0.0431 J	0.034	NA	0.00199 U
Perfluoropentanoic Acid (PFPeA)	NVG	0.0551	0.0674	0.0572	0.0377	0.0203	0.0627 J	0.0609 J	0.0316 J	NA	0.00199 U
Perfluorotetradecanoic Acid (PFTA)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.00185 U	NA	0.00199 U
Perfluorotridecanoic Acid (PFTrDA)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.00185 U	NA	0.00199 U
Perfluoroundecanoic Acid (PFunA)	NVG	0.00175 U	0.00215 U	0.00184 U	0.002 U	0.00185 U	0.002 U	0.00187 U	0.00185 U	NA	0.00199 U
PFOA/PFOS, Total	NVG	0.0305	0.0406	0.0377	0.0526	0.0632	0.0448 JB	0.0447 JB	0.0445	NA	0.00199 U
Polychlorinated Biphenyls	**ug/L**										
Aroclor 1016	0.09	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	NA	0.071 U
Aroclor 1221	0.09	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	NA	0.071 U
Aroclor 1232	0.09	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	NA	0.071 U
Aroclor 1242	0.09	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	NA	0.071 U
Aroclor 1248	0.09	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	NA	0.071 U
Aroclor 1254	0.09	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	NA	0.071 U
Aroclor 1260	0.09	0.071 U	**0.24**	0.071 U	**0.284**	**0.805**	0.071 U	0.071 U	0.071 U	NA	0.071 U
Aroclor 1262	0.09	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	NA	0.071 U
Aroclor 1268	0.09	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	NA	0.071 U
PCBs, Total	NS	0.071 U	0.24	0.071 U	0.284	0.805	0.071 U	0.071 U	0.071 U	NA	0.071 U

Table 2. Historical Validated On-Site Groundwater Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hillside Avenue
Queens, New York

Location **Sample Date** **Parent Sample**	**NY-AWQS**	**MW-1** **4/2/2021**	**MW-2S** **4/2/2021**	**MW-2I** **4/2/2021**	**MW-2D** **4/2/2021**	**MW-3S** **4/2/2021**	**MW-3I** **4/2/2021**	**MW-X** **4/2/2021** **MW-3I**	**MW-3D** **4/2/2021**	**TB040221** **4/2/2021**	**FB040221** **4/2/2021**
Semivolatile Organic Compounds	**ug/L**	**Results**	**Results**	**Results**	**Results**	Results		**Results**	**Results**	**Results**	**Results**
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,4-Dichlorophenol	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
2-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
3,3'-Dichlorobenzidine	5	5 R	5 R	5 R	5 R	5 R	5 R	5 R	5 R	NA	5R
3-Methylphenol/4-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
4,6-Dinitro-o-cresol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Benzoic Acid	NS	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA	50 U
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Biphenyl	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Bis(2-chloroethyl)ether	1	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Bis(2-chloroisopropyl)ether	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Bis(2-ethylhexyl)phthalate	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	NA	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	4.8 J
Carbazole	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Dibenzofuran	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Diethyl phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA	20 U
Isophorone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
n-Nitrosodi-n-propylamine	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
NDPA/DPA	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Nitrobenzene	0.4	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
p-Chloro-m-cresol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Phenol	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	0.2 U
2-Methylnaphthalene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Acenaphthene	20	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Acenaphthylene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Anthracene	50	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzo(a)anthracene	0.002	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzo(a)pyrene	0	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzo(b)fluoranthene	0.002	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzo(ghi)perylene	NS	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzo(k)fluoranthene	0.002	0.1 U	0.1 U	0.1 U	0.01 J	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Chrysene	0.002	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Dibenzo(a,h)anthracene	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Fluoranthene	50	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Fluorene	50	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
Indeno(1,2,3-cd)pyrene	0.002	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Naphthalene	10	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.06 J	NA	0.1 U
Pentachlorophenol	1	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 UJ	0.8 U	NA	0.8 U
Phenanthrene	50	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Pyrene	50	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Total Metals	**ug/L**										
Aluminum, Total	NS	35.3	135	29.1	46.5	13.3	14.9	12.5	46.6	NA	10 U
Antimony, Total	3	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	NA	4 U
Arsenic, Total	25	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
Barium, Total	1000	270.2	156.1	79.49	78.61	76.9	75.87	75.44	68.16	NA	0.22 J
Beryllium, Total	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
Cadmium, Total	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	0.2 U
Calcium, Total	NS	100000	59500	31600	41200	31900	34900	34500	44100	NA	40.1 J
Chromium, Total	50	0.62 U	0.82 U	10.69	24.65	0.53 U	22.08	20.12	41.17	NA	0.23 U
Cobalt, Total	NS	0.54	0.37 J	0.37 J	1	0.18 J	0.44 J	0.38 J	1.05	NA	0.5 U
Copper, Total	200	12.85	0.64 J	0.96 U	2.24	1 U	1.22 U	1.07	2.5	NA	1 U
Iron, Total	300	177	**368**	242	**409**	72.8	221	186	**448**	NA	50 U
Lead, Total	25	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	1 U
Magnesium, Total	35000	31300	15200	11500	16400	6880	12400	12200	14100	NA	70 U
Manganese, Total	300	26.2	15.49	10.06	14.9	4.26	8.27	7.17	12.18	NA	1 U
Mercury, Total	0.7	0.19 J	0.16 U	0.16 U	0.15 U	0.17 U	0.16 U	0.15 U	0.2 U	NA	0.12 U
Nickel, Total	100	6.78	4.83	11.68	29.34	2.56	18.56	16.11	32.08	NA	2 U
Potassium, Total	NS	3620	2730	1970	2050	1860	1930	1940	2150	NA	100 U
Selenium, Total	10	2.44 J	1.95 J	5 U	1.77 J	5 U	5 U	5 U	1.85 J	NA	5 U
Silver, Total	50	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	NA	0.4 U
Sodium, Total	20000	**280000**	**93700**	**86400**	**68900**	**61400**	**70400**	**70600**	**66700**	NA	258
Thallium, Total	0.5	0.17 U	1 U	1 U	1 U	1 U	1 U	1 U	0.14 U	NA	0.27 J
Vanadium, Total	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Zinc, Total	2000	8.68 U	10 U	5.05 J	10 U	8.17 J	10 U	10 U	3.87 J	NA	10 U

Table 2. Historical Validated On-Site Groundwater Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hillside Avenue
Queens, New York

Location Sample Date Parent Sample	NY-AWQS	MW-1 4/2/2021	MW-2S 4/2/2021	MW-2I 4/2/2021	MW-2D 4/2/2021	MW-3S 4/2/2021	MW-3I 4/2/2021	MW-X 4/2/2021 MW-3I	MW-3D 4/2/2021	TB040221 4/2/2021	FB040221 4/2/2021
Volatile Organics by GC/MS	**ug/L**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene, Total	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	NS	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.5 J	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Carbon disulfide	60	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
p-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	**54**	**62**	**22**	2.1	**47**	**12**	**12**	2.1	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5	0.31 J	0.34 J	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Qualifier Key
P - The RPD between the results for the two columns exceeds the method-specified criteria.
U - Not detected at the reported detection limit for the sample.
J - Estimated Detection
NA - Not Analyzed For
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
NS - No Standard
*PFAS were compared to: NYSDEC Part 375 Sampling, Analysis, and Assessment of PFAS April 2023
Exceeds AWQS or April 2023 PFAS Guidance

Table 3. Historical Validated Off-Site Groundwater Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location / **Sample Date**	**NY AWQS**	**EMW-1 3/30/2021**		**EMW-2 3/30/2021**		**EMW-4 3/30/2021**		**EMW-5 3/30/2021**		**EMW-7 3/30/2021**	
Volatile Organic Compounds	ug/L	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	1.1	J
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	NVG	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	NVG	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	NVG	250	U	250	U	250	U	250	U	250	UJ
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NVG	5	U	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Carbon disulfide	60	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	2.5	U	1.3	J	2.5	U	2.5	U	2.5	U
Chloromethane	NVG	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U
Ethyl ether	NVG	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	2.5	U	2.5	U	2.5	U	2.5	U	0.93	J
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	NVG	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	NVG	2	U	2	U	2	U	2	U	2	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	**16**		**50**		**120**		**43**		**23**	
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	0.5	U	0.39	J	0.69		0.33	J	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NVG	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	NVG	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U

Table 3. Historical Validated Off-Site Groundwater Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hollis Avenue
Queens, New York

Location Sample Date	NY AWQS	EMW-11 3/30/2021		EMW-12 3/31/2021		EMW-13 3/31/2021		TB033021 3/30/2021		TB033121 3/31/2021	
Volatile Organic Compounds	ug/L	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1,2-Tetrachloroethane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	2	U	5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	6	U	15	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	2	U	5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	10	U	25	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	**38**		**120**		**5.8**		2	U	2	U
1,2,4-Trichlorobenzene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	**650**		**1800**		4.2		2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	10	U	25	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	8	U	20	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	10	U	25	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	2	U	5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	NVG	56		29		2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	4	U	10	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	**160**		**640**		2.1	J	2.5	U	2.5	U
1,3-Dichlorobenzene	3	10	U	25	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	NVG	2	U	5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	10	U	25	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	NVG	1000	U	2500	UJ	250	UJ	250	U	250	UJ
2,2-Dichloropropane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	20	U	50	U	5	U	5	U	5	U
2-Hexanone	50	20	U	50	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NVG	20	U	50	U	5	U	5	U	5	U
Acetone	50	20	U	15	J	3.2	J	5	U	5	U
Acrylonitrile	5	20	U	50	U	5	U	5	U	5	U
Benzene	1	2	U	5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	2	U	5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	8	U	20	U	2	U	2	U	2	U
Bromomethane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
Carbon disulfide	60	20	U	50	U	5	U	5	U	5	U
Carbon tetrachloride	5	2	U	5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
Chloroform	7	10	U	25	U	2.5	U	2.5	U	2.5	U
Chloromethane	NVG	10	U	25	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	**56**		**29**		2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	2	U	5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	2	U	5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	20	U	50	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	20	U	50	U	5	U	5	U	5	U
Ethyl ether	NVG	10	U	25	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	**36**		**32**		2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	10	U	25	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	**18**		**44**		2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	10	U	25	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	10	U	25	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	**6.5**	J	**13**	J	2.9		2.5	U	2.5	U
n-Propylbenzene	5	**72**		**240**		0.83	J	2.5	U	2.5	U
Naphthalene	10	**59**		**75**		2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	**15**		**18**	J	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	NVG	82		300		15		2	U	2	U
p-Ethyltoluene	NVG	170		980		0.82	J	2	U	2	U
p-Isopropyltoluene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	**61**		**130**		2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	**5.2**	J	**8**	J	0.99	J	2.5	U	2.5	U
Styrene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	**14**		4.1	J	0.5	U	0.5	U	0.5	U
Toluene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	2	U	5	U	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	10	U	25	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	**16**		2.2	J	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	10	U	25	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NVG	20	U	50	U	5	U	5	U	5	U
Vinyl chloride	2	4	U	10	U	1	U	1	U	1	U
Xylenes, Total	NVG	76		150	J	2.5	U	2.5	U	2.5	U

Notes
NS - No Standard
U - Not detected at the reported detection limit for the sample.
J - Estimated Detection
NA - Not Analyzed For
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
Exceeds AWQS

Table 4. Historical Validated Sidewalk and Parking Lot Soil Vapor Analytical Results
Clearview Cleaners
NYSDEC BCP Site No. C241153
202-16 Hillside Avenue
Queens, New York

Location	**SV-1**		**SV-2**		**SV-3**		**SV-4**		**SV-5**		**SV-6**		**SV-7**	
Sample Date	**4/16/2024**		**4/16/2024**		**4/16/2024**		**4/16/2024**		**4/16/2024**		**4/16/2024**		**4/16/2024**	
Sample Matrix	**Soil Vapor**		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
VOCs	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q
Dichlorodifluoromethane	**2.33**		**2.28**		**2.2**		**3.82**		**2.26**		**2.16**		**2.18**	
Chloromethane	**0.915**		0.413	U	0.413	U	**0.952**		**0.632**		**0.611**		0.413	U
Freon-114	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Vinyl chloride	0.511	U	0.511	U	0.511	U	0.511	U	0.511	U	0.511	U	0.511	U
1,3-Butadiene	0.442	U	0.442	U	0.442	U	**1.68**		0.442	U	0.442	U	0.442	U
Bromomethane	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U
Chloroethane	0.528	U	0.528	U	0.528	U	**0.559**		0.528	U	0.528	U	0.528	U
Ethanol	9.42	U	9.42	U	9.42	U	**67.1**		**96.7**		**76.5**		**51.1**	
Vinyl bromide	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
Acetone	**95.7**		**215**		**169**		**143**		**219**		**210**		**189**	
Trichlorofluoromethane	**1.18**		**1.22**		**1.12**		**1.15**		**1.23**		**1.21**		**1.31**	
Isopropanol	1.23	U	**2.36**		**2.08**		**3.69**		**4.4**		**3.86**		**3.07**	
1,1-Dichloroethene	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
Tertiary butyl Alcohol	1.52	U	**7.12**		1.52	U	**3.7**		**7.34**		**5.85**		**4.06**	
Methylene chloride	**3.16**		1.74	U	**10.6**		1.74	U	1.74	U	1.74	U	1.74	U
3-Chloropropene	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
Carbon disulfide	0.623	U	**0.704**		**2.81**		**23.7**		0.623	U	0.623	U	**8.69**	
Freon-113	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U
trans-1,2-Dichloroethene	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
1,1-Dichloroethane	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
Methyl tert butyl ether	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
2-Butanone	1.47	U	**12.7**		**4.63**		**6.67**		**4.16**		**3.92**		**5.07**	
cis-1,2-Dichloroethene	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
Ethyl Acetate	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Chloroform	0.977	U	0.977	U	0.977	U	0.977	U	0.977	U	0.977	U	0.977	U
Tetrahydrofuran	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U
1,2-Dichloroethane	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
n-Hexane	0.705	U	0.705	U	0.705	U	**18.6**		0.705	U	0.705	U	0.705	U
1,1,1-Trichloroethane	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U
Benzene	0.639	U	0.639	U	0.639	U	**4.92**		**3.99**		**7.86**		**6.1**	
Carbon tetrachloride	1.26	U	1.26	U	1.26	U	1.26	U	1.26	U	1.26	U	1.26	U
Cyclohexane	0.688	U	0.688	U	0.688	U	**1.21**		0.688	U	0.688	U	0.688	U
1,2-Dichloropropane	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U
Bromodichloromethane	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U
1,4-Dioxane	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
Trichloroethene	1.07	U	1.07	U	1.07	U	**7.15**		1.07	U	1.07	U	1.07	U
2,2,4-Trimethylpentane	0.934	U	0.934	U	0.934	U	**1.74**		0.934	U	0.934	U	0.934	U
Heptane	0.82	U	0.82	U	0.82	U	**24.6**		0.82	U	0.82	U	0.82	U
cis-1,3-Dichloropropene	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
4-Methyl-2-pentanone	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U
trans-1,3-Dichloropropene	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
1,1,2-Trichloroethane	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U
Toluene	**1.32**		**4.03**		**4.67**		**3.68**		**5.16**		**5.01**		**4.75**	
2-Hexanone	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Dibromochloromethane	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
1,2-Dibromoethane	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U
Tetrachloroethene	**4.74**		**26**		**22**		**208**		**33.9**		**78**		**56.8**	
Chlorobenzene	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U
Ethylbenzene	0.869	U	0.869	U	0.869	U	0.869	U	0.869	U	0.869	U	0.869	U
p/m-Xylene	1.74	U	1.74	U	1.74	U	1.74	U	**2.16**		**2.09**		**2.14**	
Bromoform	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U
Styrene	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U
1,1,2,2-Tetrachloroethane	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U
o-Xylene	0.869	U	0.869	U	0.869	U	0.869	U	0.869	U	0.869	U	0.869	U
4-Ethyltoluene	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
1,3,5-Trimethylbenzene	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
1,2,4-Trimethylbenzene	**1.08**		**2.01**		**1.25**		0.983	U	**1.22**		**1.11**		**1.13**	
Benzyl chloride	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U
1,3-Dichlorobenzene	1.2	U	1.2	U	1.2	U	**2.48**		**6.49**		**6.97**		**4.11**	
1,4-Dichlorobenzene	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2-Dichlorobenzene	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2,4-Trichlorobenzene	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U
Naphthalene	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U
Hexachlorobutadiene	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U

Notes:
Detections are BOLDED
Q - Qualifier
U - Not detected at the reported detection limit for the sample.

Figures

Figure 1 Site Location

Figure 2 Interior Floor Plan

Figure 3 Historical Onsite Soil Sample Locations (2003)

Figure 4 LBG Historic On/Off-Site Sampling Locations (2013)

Figure 5 Historical Onsite Soil Exceedances (2020)

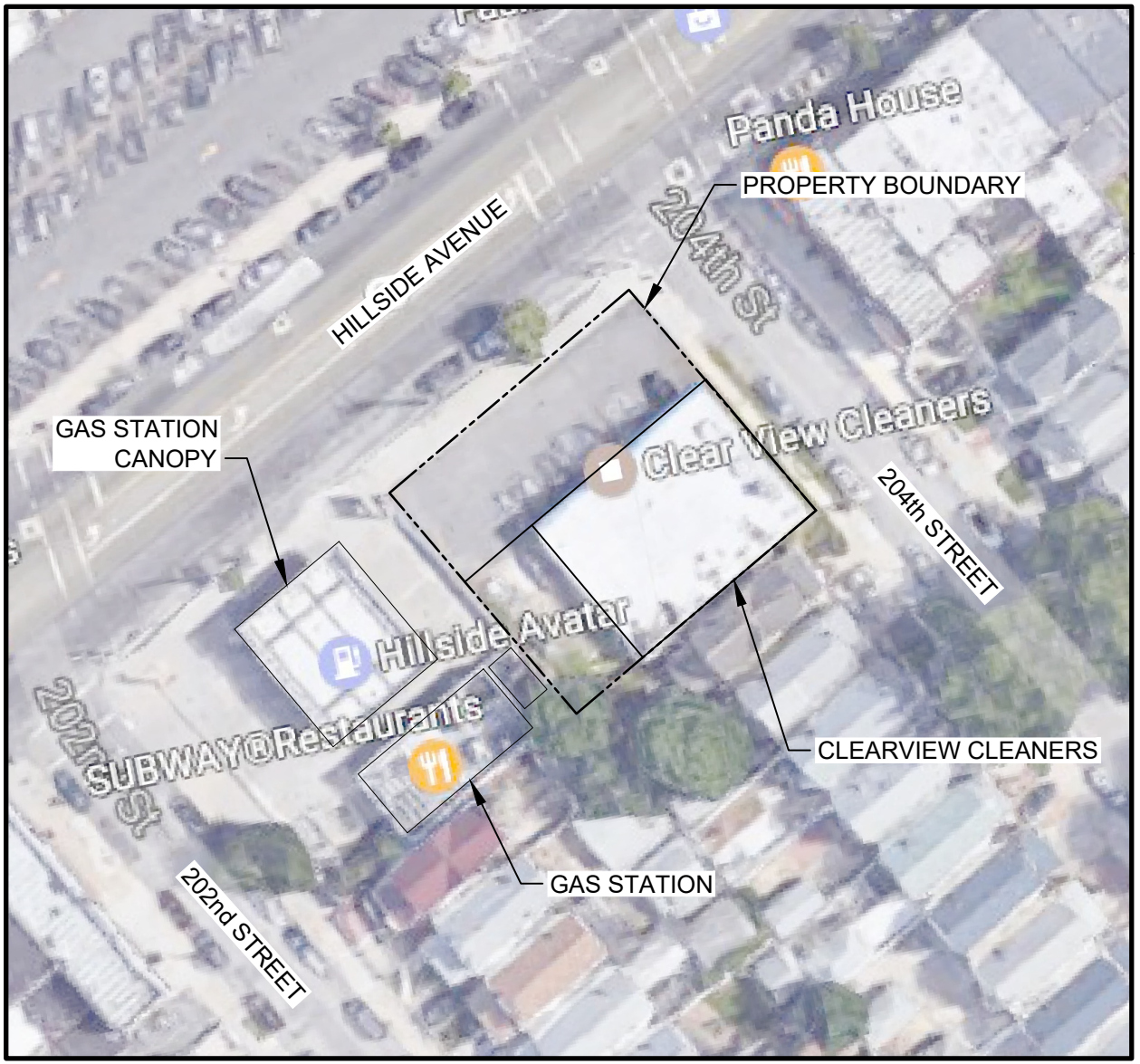
Figure 6 Historical Onsite Groundwater Exceedances (2021)

Figure 7 Historical Offsite Groundwater Exceedances (2021)

Figure 8 Historical Soil Vapor, Outdoor Air, and Indoor Air Detections (2024)

Figure 9 Proposed Exterior Sample Locations

Figure 10 Proposed Interior Sample Locations

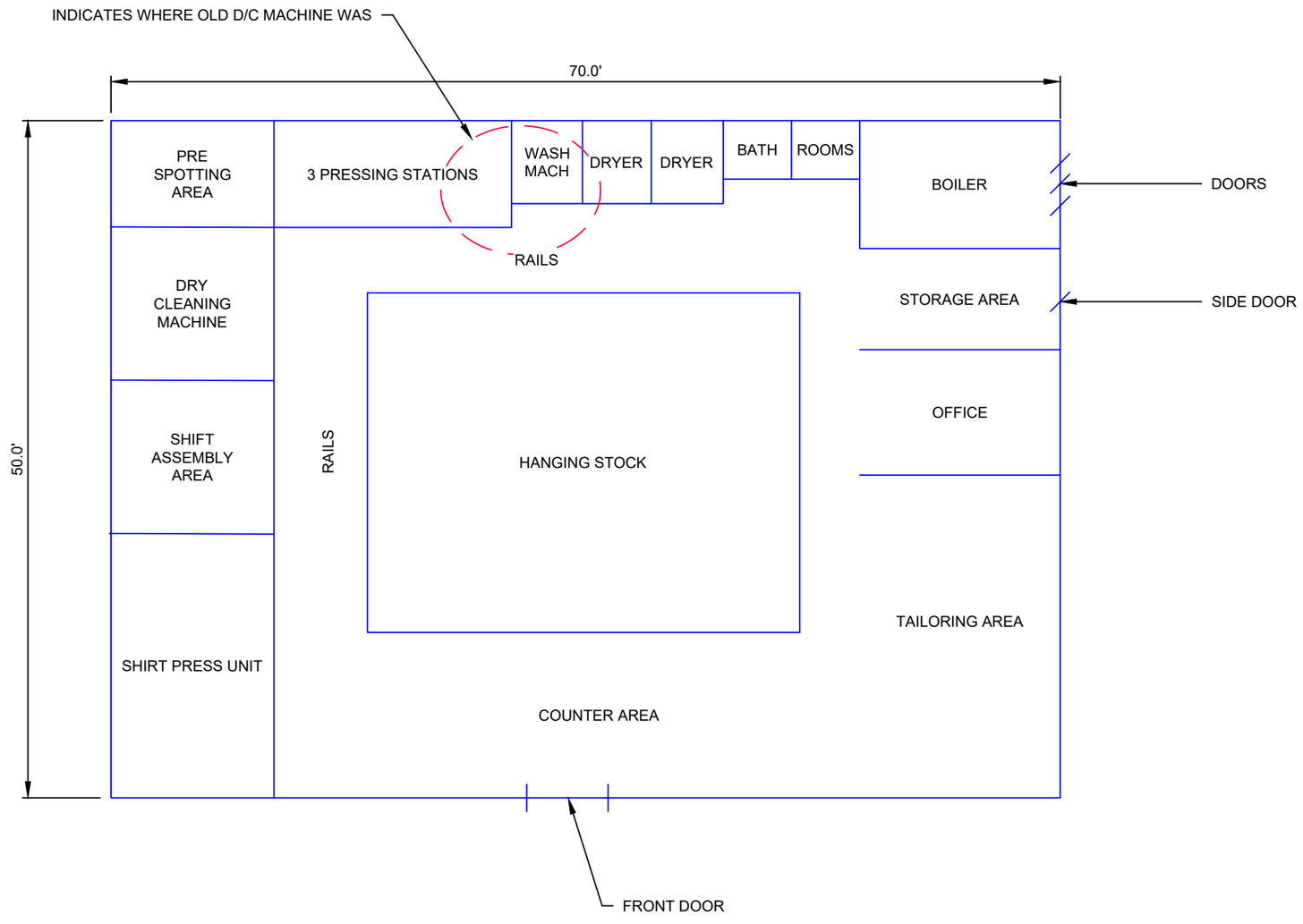


0 500 1000

SCALE: 1" = 500'

Supplemental Remedial Investigation Work Plan Clearview Cleaners 202-16 Hillside Avenue, Queens	GEI Consultants	SITE LOCATION
Clearview Cleaners JAB	Project 1607000	May 2026 Fig. 1

---- B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\1 1607000 SRIWP.dwg - 4/9/2026



0 10 20

SCALE: 1" = 10'

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

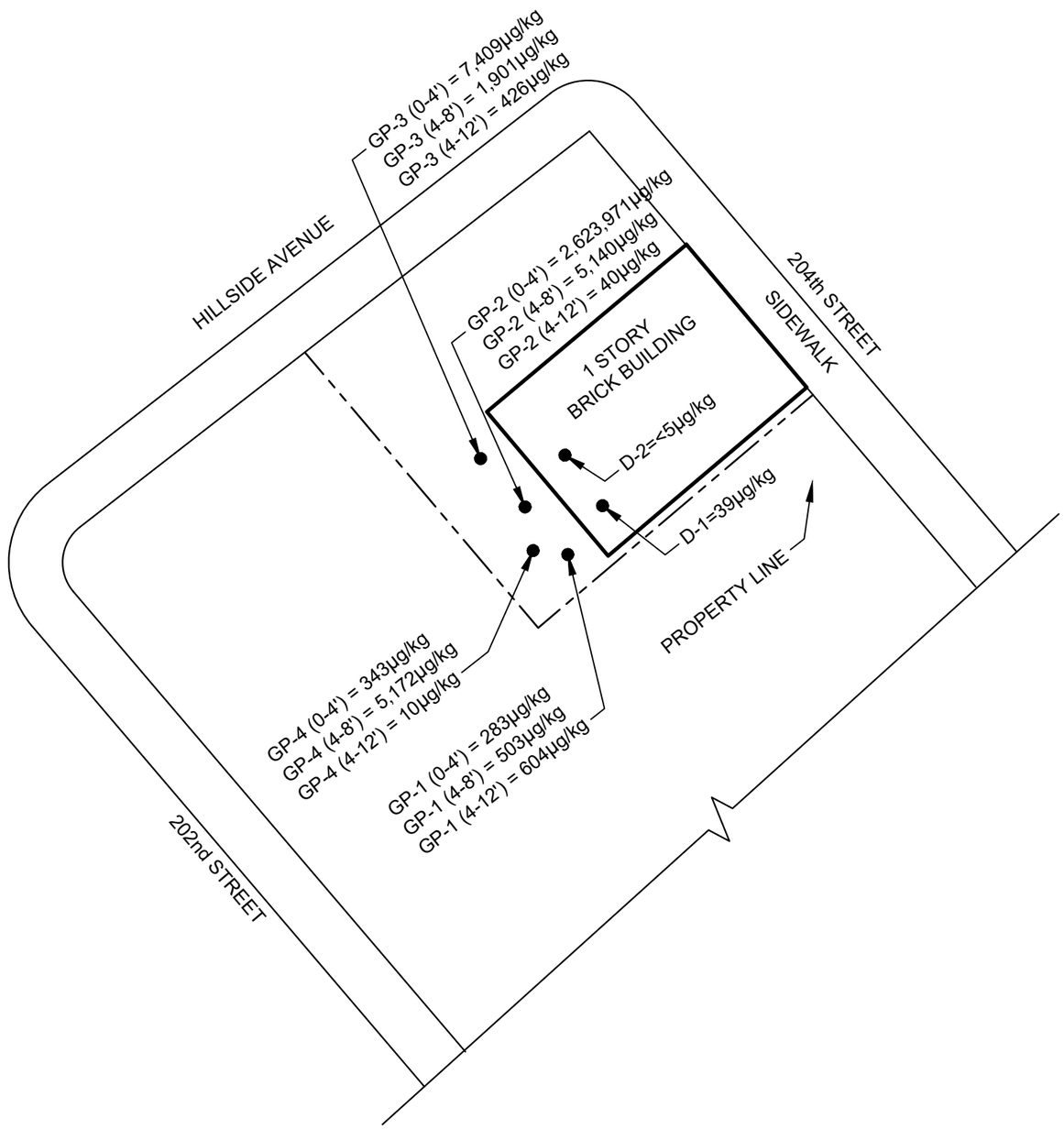
Clearview Cleaners JAB

GEI Consultants

INTERIOR
FLOOR PLAN

Project 1607000 | May 2026 | Fig. 2

---- B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\2 1607000 SRIWP.dwg - 4/9/2026



N

NOTE:
TETRACHLOROETHENE DETECTIONS IN SOIL SAMPLES, NOVEMBER 2003 (JOHN V. SODERBERG P.E.)

0 40 80
SCALE: 1" = 40'

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

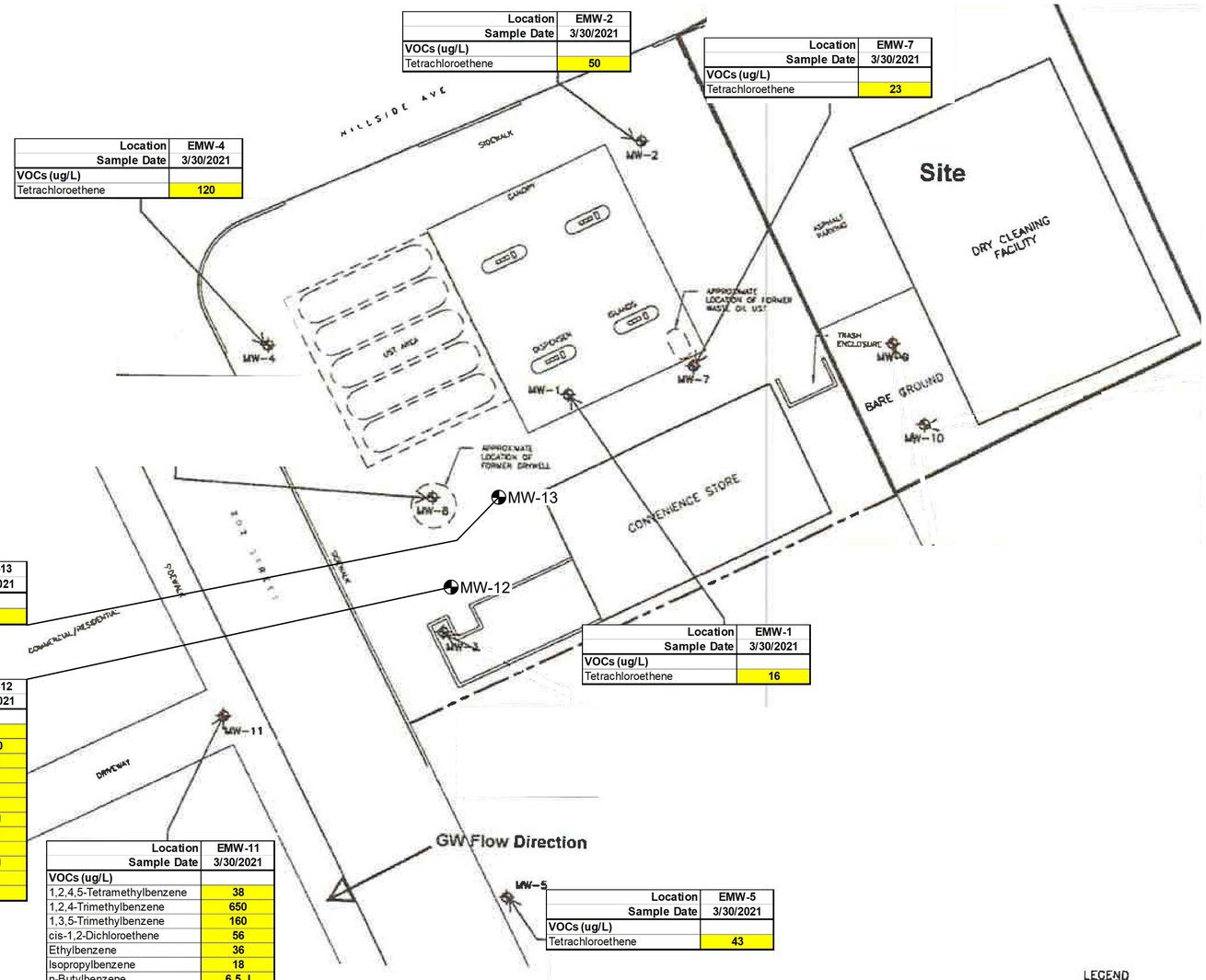
Clearview Cleaners JAB

GEI Consultants

HISTORIC SAMPLE LOCATIONS
(2003)

Project 1607000 | May 2026 | Fig. 3

---- B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\3 1607000 SRIWP.dwg - 4/9/2026



Location	EMW-2
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	50

Location	EMW-7
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	23

Location	EMW-4
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	120

Location	EMW-1
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	16

Location	EMW-13
Sample Date	3/31/2021
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	5.8

Location	EMW-12
Sample Date	3/31/2021
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	120
1,2,4-Trimethylbenzene	1800
1,3,5-Trimethylbenzene	640
cis-1,2-Dichloroethene	29
Ethylbenzene	32
Isopropylbenzene	44
n-Butylbenzene	13 J
n-Propylbenzene	240
Naphthalene	75
o-Xylene	18 J
p/m-Xylene	130
sec-Butylbenzene	8 J

Location	EMW-11
Sample Date	3/30/2021
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	38
1,2,4-Trimethylbenzene	650
1,3,5-Trimethylbenzene	160
cis-1,2-Dichloroethene	56
Ethylbenzene	36
Isopropylbenzene	18
n-Butylbenzene	6.5 J
n-Propylbenzene	72
Naphthalene	59
o-Xylene	15
p/m-Xylene	61
sec-Butylbenzene	5.2 J
Tetrachloroethene	14
Trichloroethene	16

Location	EMW-5
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	43

Analyte	NYS AWQS
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
cis-1,2-Dichloroethene	5
Ethylbenzene	5
Isopropylbenzene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p/m-Xylene	5
sec-Butylbenzene	5
Tetrachloroethene	5
Trichloroethene	5

Notes:
ug/L = micrograms per liter or parts per billion (ppb)
VOC = Volatile Organic Compound
NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
J = The result is an estimated value
Exceeds NYS AWQS

LEGEND
MW-1 MONITOR WELL LOCATION
APPROXIMATE PROPERTY BOUNDARY

SOURCE:
1. EXTRACTED FROM LEGGETTE, BRASHERS & GRAHAM INC DRAWINGS DATED 6/24/2013.

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

Clearview Cleaners JAB

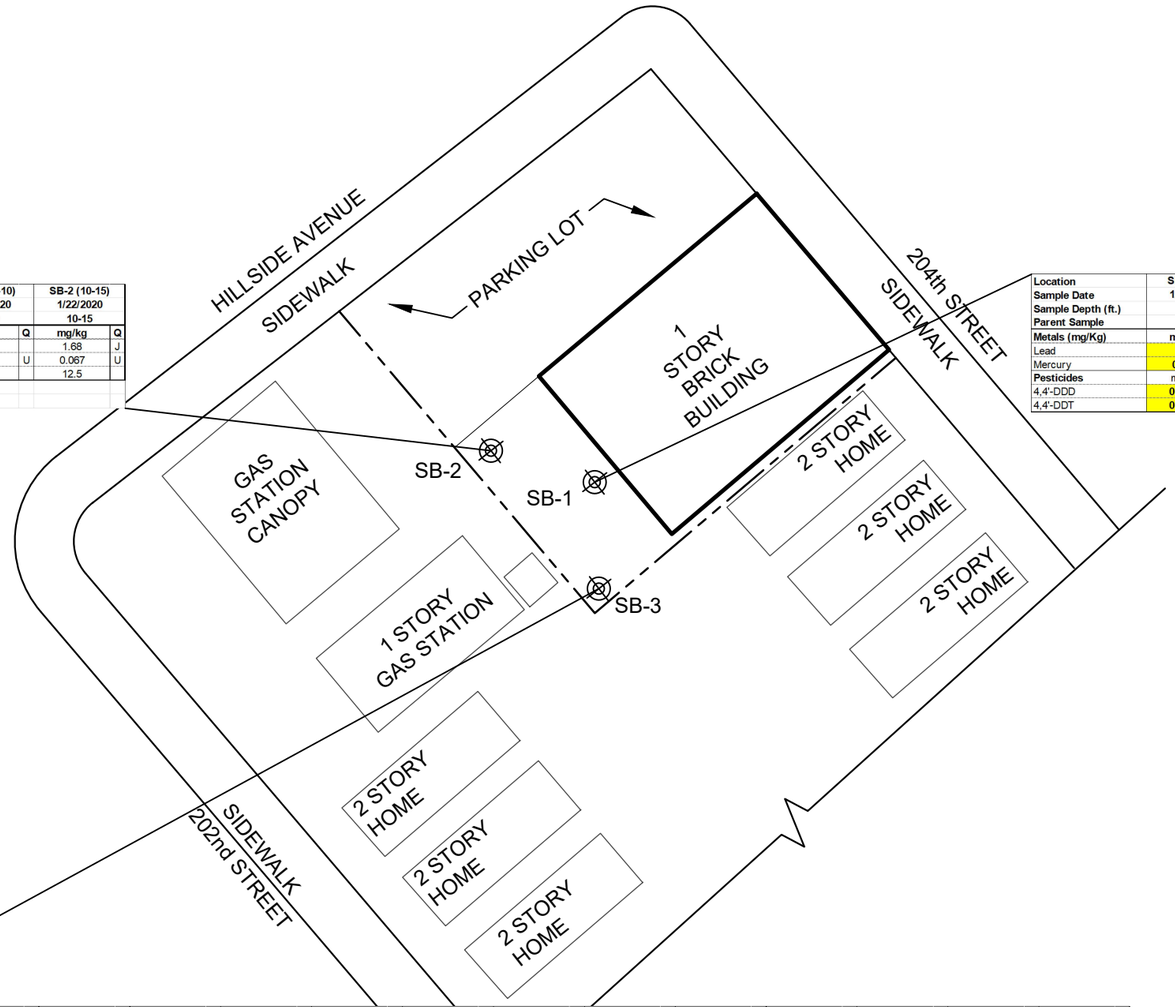
GEI Consultants

LBG HISTORIC ON/OFFSITE SAMPLE LOCATIONS (2013)

Project 1607000 | May 2026 | Fig. 4

CASILLAS, DAVID B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\4 1607000 SRIWP.dwg - 4/9/2026

ANTICIPATED
GROUNDWATER FLOW



Location	SB-2 (0-5)		SB-2 (5-10)		SB-2 (10-15)	
Sample Date	1/22/2020		1/22/2020		1/22/2020	
Sample Depth (ft.)	0-5		5-10		10-15	
Total Metals	mg/kg	Q	mg/kg	Q	mg/kg	Q
Lead	114		7.99		1.68	J
Mercury	0.266		0.072	U	0.067	U
Zinc	239		20		12.5	
PFAS	ug/kg	Q				
PFOS	6.52					

Location	SB-1 (0-5)		SB-1 (5-10)		SB-1 (10-15)		SB-1 (55-60)		SB-1 (60-65)		DUP-1_01212020	
Sample Date	1/21/2020		1/21/2020		1/21/2020		1/21/2020		1/21/2020		1/21/2020	
Sample Depth (ft.)	0-5		5-10		10-15		55-60		60-65		10-15	
Parent Sample											SB-1 (10-15)	
Metals (mg/Kg)	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Lead	113		16.6		1.81	J	2.55	J	1.23	J	1.75	J
Mercury	0.345		0.244		0.071	U	0.09	U	0.08	U	0.072	U
Pesticides	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
4,4'-DDD	0.0832		0.00175	U	0.00162	U	0.00179	U	0.00179	U	0.00169	U
4,4'-DDT	0.0266	J	0.00328	U	0.00303	U	0.00336	U	0.00336	U	0.00317	U

Analyte	NYSDEC Unrestricted Use SCO	NYSDEC Protection of Groundwater SCO
VOCs	mg/kg	mg/kg
Tetrachloroethene	1.3	1.3
Total Metals	mg/kg	mg/kg
Cadmium	2.5	7.5
Lead	63	450
Mercury	0.18	0.73
Zinc	109	2480
Pesticides	mg/kg	mg/kg
Dieldrin	0.005	0.1
4,4'-DDE	0.0033	17
4,4'-DDD	0.0033	14
4,4'-DDT	0.0033	136
PFAS	ug/Kg	ug/Kg
PFOA	0.88	1

Location	SB-3 (0-5)		SB-3 (5-10)		SB-3 (10-15)		SB-3 (15-20)		SB-3 (20-25)		SB-3 (25-30)		SB-3 (30-35)		SB-3 (35-40)		SB-3 (40-45)		SB-3 (45-50)		SB-3 (50-55)		SB-3 (55-60)		SB-3 (60-65)	
Sample Date	1/21/2020		1/21/2020		1/21/2020		1/21/2020		1/21/2020		1/22/2020		1/22/2020		1/22/2020		1/22/2020		1/22/2020		1/22/2020		1/22/2020		1/22/2020	
Sample Depth (ft.)	0-5		5-10		10-15		15-20		20-25		25-30		30-35		35-40		40-45		45-50		50-55		55-60		60-65	
VOCs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Tetrachloroethene	8.3		0.068		0.0028		0.0037		0.004		0.0063		0.0072		0.003		0.0026		0.0017		0.0017		0.046		0.0063	
Pesticides	mg/kg	Q	mg/kg	Q	mg/kg	Q																				
Dieldrin	0.00521		0.00116	U	0.00106	U																				
4,4'-DDE	0.0235		0.00186	U	0.0017	U																				
4,4'-DDD	0.0509		0.00186	U	0.0017	U																				
4,4'-DDT	0.0691		0.0035	U	0.00319	U																				
Total Metals	mg/kg	Q	mg/kg	Q	mg/kg	Q																				
Cadmium	0.535	J	3.51		0.252	J																				
Lead	128		93.5		2.3	J																				
Mercury	0.401		0.119		0.074	U																				
PFAS	ug/kg	Q																								
PFOS	20.1																									

Notes:
mg/Kg = milligrams/kilogram or parts per million (ppm)
VOC = Volatile Organic Compound
NYSDEC = New York State Department of Environmental Conservatio
SCO = Soil Cleanup Objectives
J = The result is an estimated value.
U = The result was not detected above the reporting limit.
PFAS = Perfluorinated Alkyl Acids
PFOS = Perfluorooctanesulfonic Acid
Exceeds NYSDEC Part 375 Unrestricted Use SCO
Exceeds NYSDEC Part 375 Protection of Groundwater SCO

LEGEND

⊗ SOIL BORING LOCATIONS

0 40 80
SCALE: 1" = 40'

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

Clearview Cleaners JAB

GEI Consultants

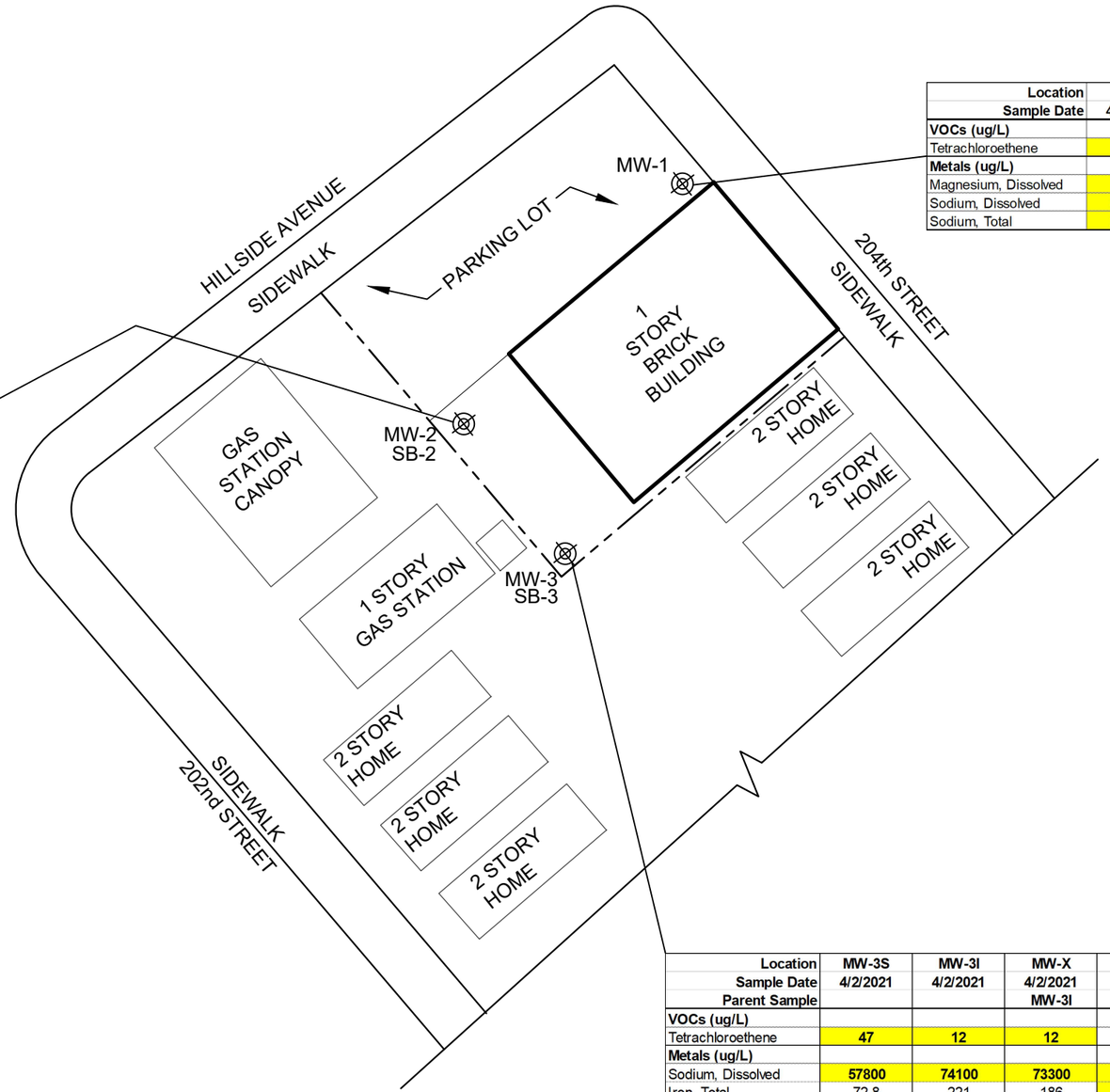
HISTORICAL ONSITE
SOIL EXCEEDANCES
(2020)

Project 1607000 | May 2026 | Fig. 5

---- B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\5 1607000 SRIWP.dwg - 4/9/2026



Location	MW-2S	MW-2I	MW-2D
Sample Date	4/2/2021	4/2/2021	4/2/2021
VOCs (ug/L)			
Tetrachloroethene	**62**	**22**	2.1
Metals (ug/L)			
Sodium, Dissolved	**97000**	**89500**	**70200**
Sodium, Total	**93700**	**86400**	**68900**
Iron, Total	**368**	242	**409**
Pesticides (ug/L)			
Dieldrin	0.029	0.029	**0.007 J**
PCBs (ug/L)			
Aroclor 1260	**0.24**	0.071 U	**0.284**



Location	MW-1
Sample Date	4/2/2021
VOCs (ug/L)	
Tetrachloroethene	**54**
Metals (ug/L)	
Magnesium, Dissolved	**37300**
Sodium, Dissolved	**300000**
Sodium, Total	**280000**

Location	MW-3S	MW-3I	MW-X	MW-3D
Sample Date	4/2/2021	4/2/2021	4/2/2021	4/2/2021
Parent Sample			MW-3I	
VOCs (ug/L)				
Tetrachloroethene	**47**	**12**	**12**	2.1
Metals (ug/L)				
Sodium, Dissolved	**57800**	**74100**	**73300**	**63000**
Iron, Total	72.8	221	186	**448**
Pesticides (ug/L)				
Chlordane	0.143 U	0.143 U	0.143 U	**0.185**
PCBs (ug/L)				
Aroclor 1260	**0.805**	0.071 U	0.071 U	0.071 U

GROUNDWATER MONITORING WELL INTERVALS

MW-1 (55'-65')

MW-2 (55'-65') (75'-85') (95'-105')

MW-3 (55'-65') (75'-85') (95'-105')

LEGEND

⊕ GROUNDWATER MONITORING WELL

Analyte	NYS AWQS
VOCs (ug/L)	
Tetrachloroethene	**5**
Metals (ug/L)	
Iron	**300**
Magnesium	**35000**
Sodium	**20000**
Pesticides (ug/L)	
Chlordane	**0.05**
PCBs (ug/L)	
Aroclor 1260	**0.09**

Notes:
ug/L = micrograms per liter or parts per billion (ppb)
VOC = Volatile Organic Compound
NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
J = The result is an estimated value
U = Undetected
Exceeds NYS AWQS

0 40 80
SCALE: 1" = 40'

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

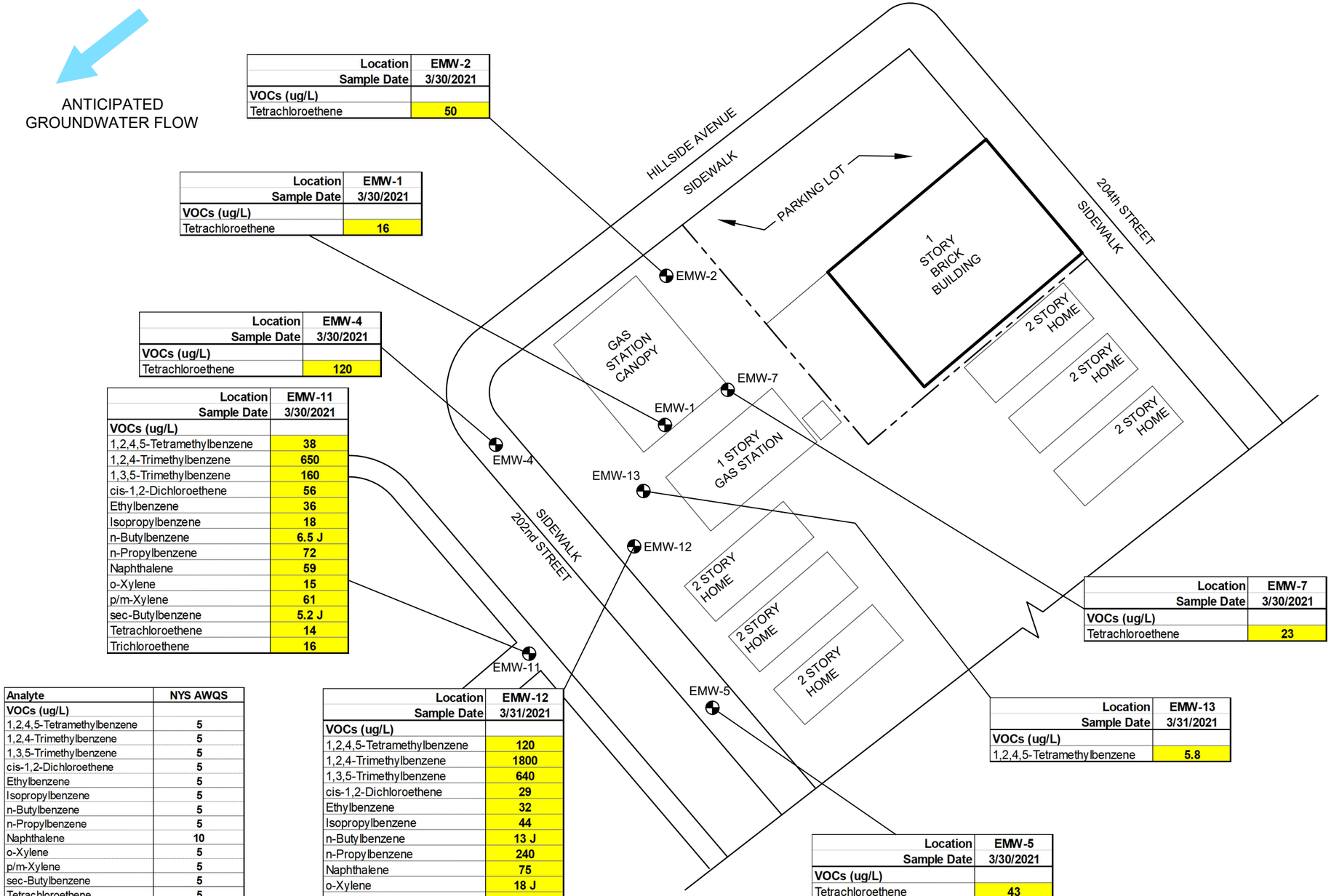
Clearview Cleaners JAB

GEI Consultants

HISTORICAL ONSITE GROUNDWATER EXCEEDANCES (2021)

Project 1607000 | May 2026 | Fig. 6

---- B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\6 1607000 SRIWP.dwg - 4/9/2026



Location	EMW-2
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	50

Location	EMW-1
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	16

Location	EMW-4
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	120

Location	EMW-11
Sample Date	3/30/2021
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	38
1,2,4-Trimethylbenzene	650
1,3,5-Trimethylbenzene	160
cis-1,2-Dichloroethene	56
Ethylbenzene	36
Isopropylbenzene	18
n-Butylbenzene	6.5 J
n-Propylbenzene	72
Naphthalene	59
o-Xylene	15
p/m-Xylene	61
sec-Butylbenzene	5.2 J
Tetrachloroethene	14
Trichloroethene	16

Location	EMW-7
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	23

Location	EMW-13
Sample Date	3/31/2021
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	5.8

Location	EMW-5
Sample Date	3/30/2021
VOCs (ug/L)	
Tetrachloroethene	43

Analyte	NYS AWQS
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
cis-1,2-Dichloroethene	5
Ethylbenzene	5
Isopropylbenzene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p/m-Xylene	5
sec-Butylbenzene	5
Tetrachloroethene	5
Trichloroethene	5

Location	EMW-12
Sample Date	3/31/2021
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	120
1,2,4-Trimethylbenzene	1800
1,3,5-Trimethylbenzene	640
cis-1,2-Dichloroethene	29
Ethylbenzene	32
Isopropylbenzene	44
n-Butylbenzene	13 J
n-Propylbenzene	240
Naphthalene	75
o-Xylene	18 J
p/m-Xylene	130
sec-Butylbenzene	8 J

LEGEND

OFF-SITE
MONITORING WELL

Notes:
ug/L = micrograms per liter or parts per billion (ppb)
VOC = Volatile Organic Compound
NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
J = The result is an estimated value
Exceeds NYS AWQS

0 40 80
SCALE: 1" = 40'

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

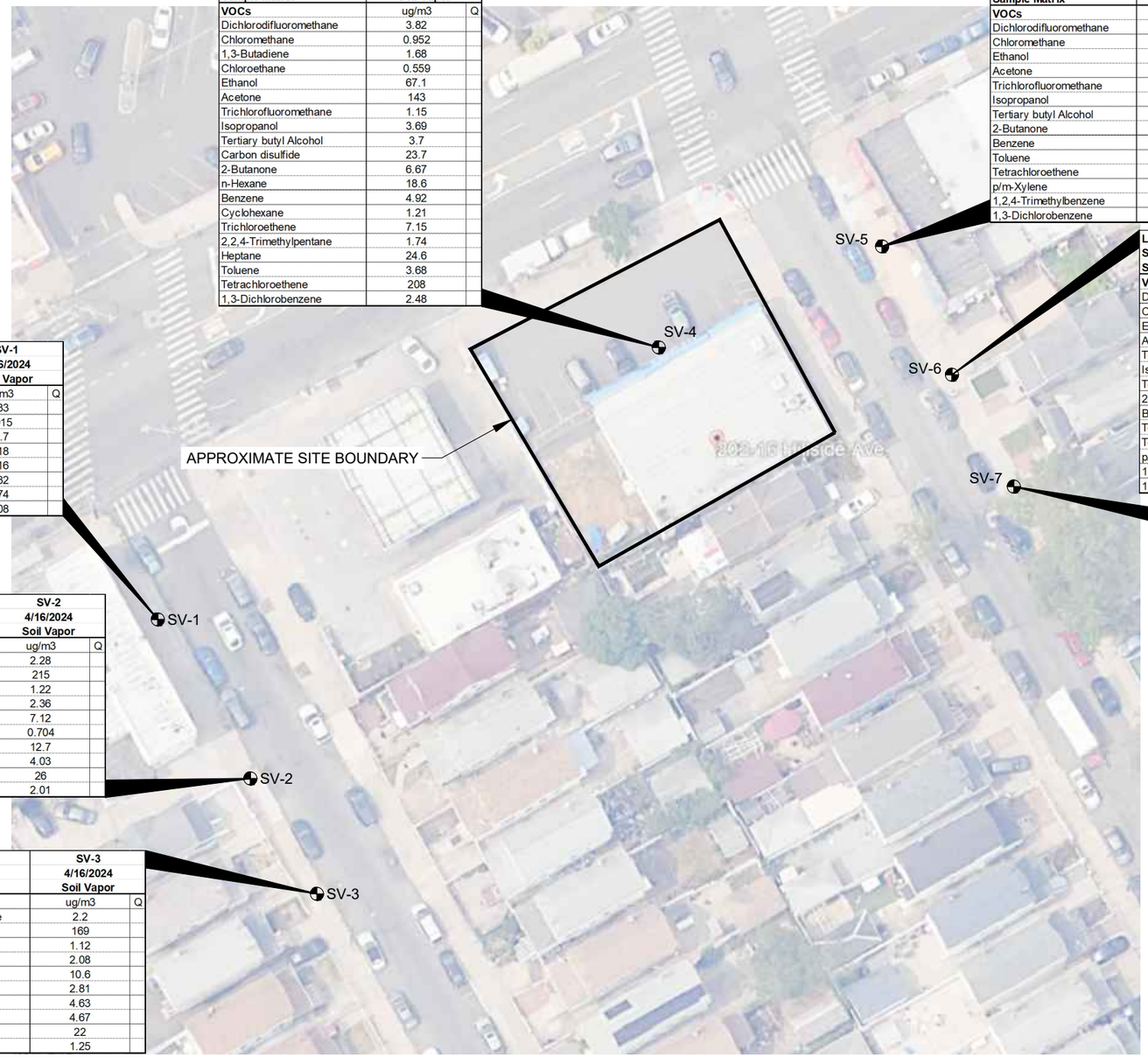
Clearview Cleaners JAB

GEI Consultants

HISTORICAL OFFSITE GROUNDWATER EXCEEDANCES (2021)

Project 1607000 | May 2026 | Fig. 7

---- B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\7 1607000 SRIWP.dwg - 4/9/2026



Location	SV-4	
Sample Date	4/16/2024	
Sample Matrix	Soil Vapor	
VOCs	ug/m3	Q
Dichlorodifluoromethane	3.82	
Chloromethane	0.952	
1,3-Butadiene	1.68	
Chloroethane	0.559	
Ethanol	67.1	
Acetone	143	
Trichlorofluoromethane	1.15	
Isopropanol	3.69	
Tertiary butyl Alcohol	3.7	
Carbon disulfide	23.7	
2-Butanone	6.67	
n-Hexane	18.6	
Benzene	4.92	
Cyclohexane	1.21	
Trichloroethene	7.15	
2,2,4-Trimethylpentane	1.74	
Heptane	24.6	
Toluene	3.68	
Tetrachloroethene	208	
1,3-Dichlorobenzene	2.48	

Location	SV-5	
Sample Date	4/16/2024	
Sample Matrix	Soil Vapor	
VOCs	ug/m3	Q
Dichlorodifluoromethane	2.26	
Chloromethane	0.632	
Ethanol	96.7	
Acetone	219	
Trichlorofluoromethane	1.23	
Isopropanol	4.4	
Tertiary butyl Alcohol	7.34	
2-Butanone	4.16	
Benzene	3.99	
Toluene	5.16	
Tetrachloroethene	33.9	
p/m-Xylene	2.16	
1,2,4-Trimethylbenzene	1.22	
1,3-Dichlorobenzene	6.49	

Location	SV-6	
Sample Date	4/16/2024	
Sample Matrix	Soil Vapor	
VOCs	ug/m3	Q
Dichlorodifluoromethane	2.16	
Chloromethane	0.611	
Ethanol	76.5	
Acetone	210	
Trichlorofluoromethane	1.21	
Isopropanol	3.86	
Tertiary butyl Alcohol	5.85	
2-Butanone	3.92	
Benzene	7.86	
Toluene	5.01	
Tetrachloroethene	78	
p/m-Xylene	2.09	
1,2,4-Trimethylbenzene	1.11	
1,3-Dichlorobenzene	6.97	

Location	SV-7	
Sample Date	4/16/2024	
Sample Matrix	Soil Vapor	
VOCs	ug/m3	Q
Dichlorodifluoromethane	2.18	
Ethanol	51.1	
Acetone	189	
Trichlorofluoromethane	1.31	
Isopropanol	3.07	
Tertiary butyl Alcohol	4.06	
Carbon disulfide	8.69	
2-Butanone	5.07	
Benzene	6.1	
Toluene	4.75	
Tetrachloroethene	56.8	
p/m-Xylene	2.14	
1,2,4-Trimethylbenzene	1.13	
1,3-Dichlorobenzene	4.11	

Location	SV-1	
Sample Date	4/16/2024	
Sample Matrix	Soil Vapor	
VOCs	ug/m3	Q
Dichlorodifluoromethane	2.33	
Chloromethane	0.915	
Acetone	95.7	
Trichlorofluoromethane	1.18	
Methylene chloride	3.16	
Toluene	1.32	
Tetrachloroethene	4.74	
1,2,4-Trimethylbenzene	1.08	

Location	SV-2	
Sample Date	4/16/2024	
Sample Matrix	Soil Vapor	
VOCs	ug/m3	Q
Dichlorodifluoromethane	2.28	
Acetone	215	
Trichlorofluoromethane	1.22	
Isopropanol	2.36	
Tertiary butyl Alcohol	7.12	
Carbon disulfide	0.704	
2-Butanone	12.7	
Toluene	4.03	
Tetrachloroethene	26	
1,2,4-Trimethylbenzene	2.01	

Location	SV-3	
Sample Date	4/16/2024	
Sample Matrix	Soil Vapor	
VOCs	ug/m3	Q
Dichlorodifluoromethane	2.2	
Acetone	169	
Trichlorofluoromethane	1.12	
Isopropanol	2.08	
Methylene chloride	10.6	
Carbon disulfide	2.81	
2-Butanone	4.63	
Toluene	4.67	
Tetrachloroethene	22	
1,2,4-Trimethylbenzene	1.25	

LEGEND:

SOIL VAPOR SAMPLE

0 50 100

SCALE, FEET

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

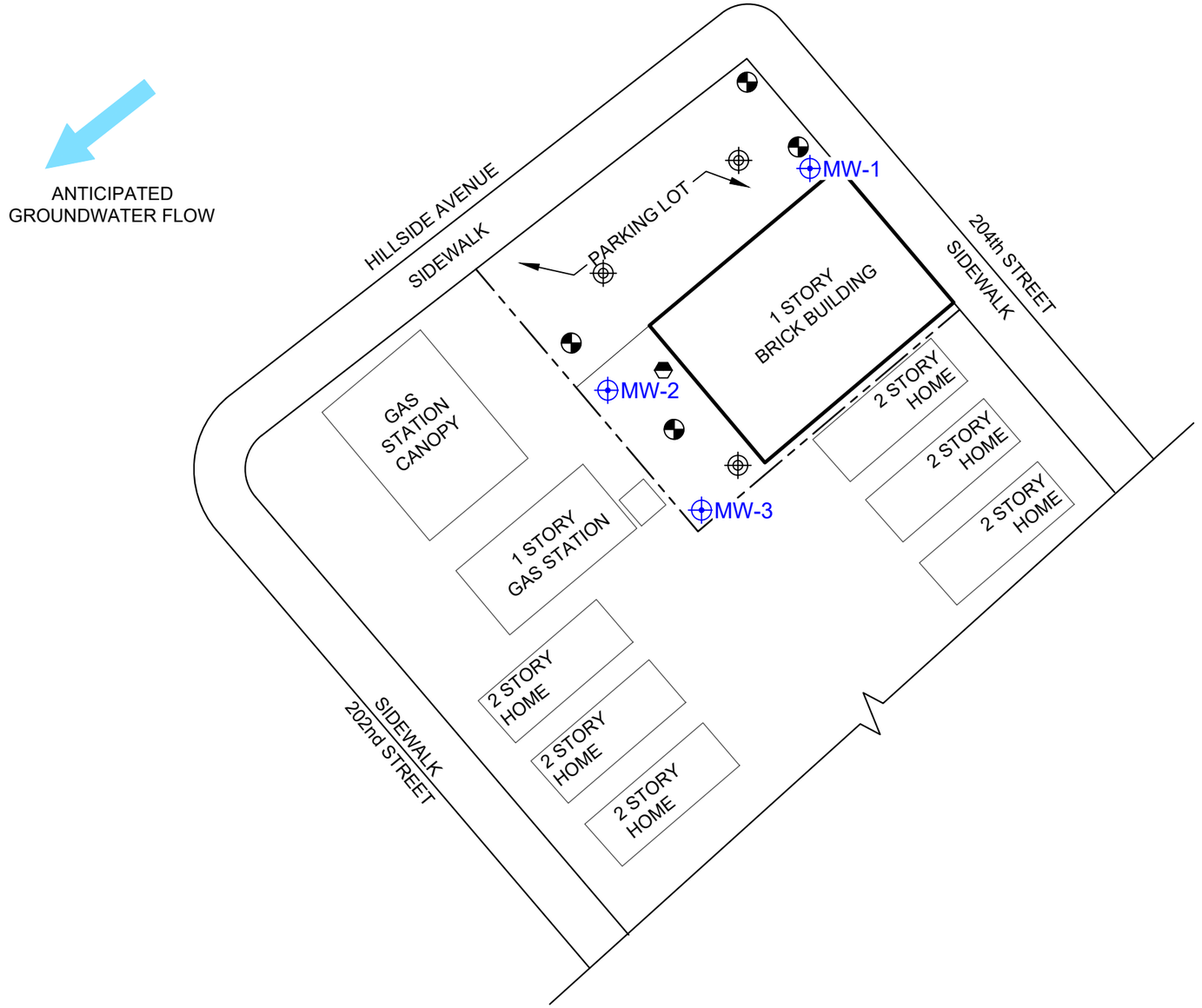
Clearview Cleaners JAB

GEI Consultants

HISTORICAL SOIL VAPOR, INDOOR AIR, AND OUTDOOR AIR DETECTIONS (2024)

Project 1607000 | May 2026 | Fig. 8

CASILLAS, DAVID B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\8 1607000 SRIWP.dwg - 4/9/2026



N

GROUNDWATER MONITORING WELL INTERVALS

MW-1	(53'-68')
MW-2	(55'-65') (75'-85') (95'-105')
MW-3	(55'-65') (75'-85') (94'-104')

LEGEND

- GROUNDWATER MONITORING WELL
- PROPOSED SOIL VAPOR SAMPLE
- PROPOSED SOIL BORING
- PROPOSED OUTDOOR AIR SAMPLE

NOTE:
1. SOIL BORING LOCATIONS MAY BE MODIFIED BASED ON CHLORINATED SOLVENT DETECTIONS IN SOIL VAPOR.
2. THE LOCATION OF THE OUTDOOR AIR SAMPLE WILL BE ADJUSTED IN THE FIELD AS NECESSARY.

0 40 80

SCALE: 1" = 40'

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

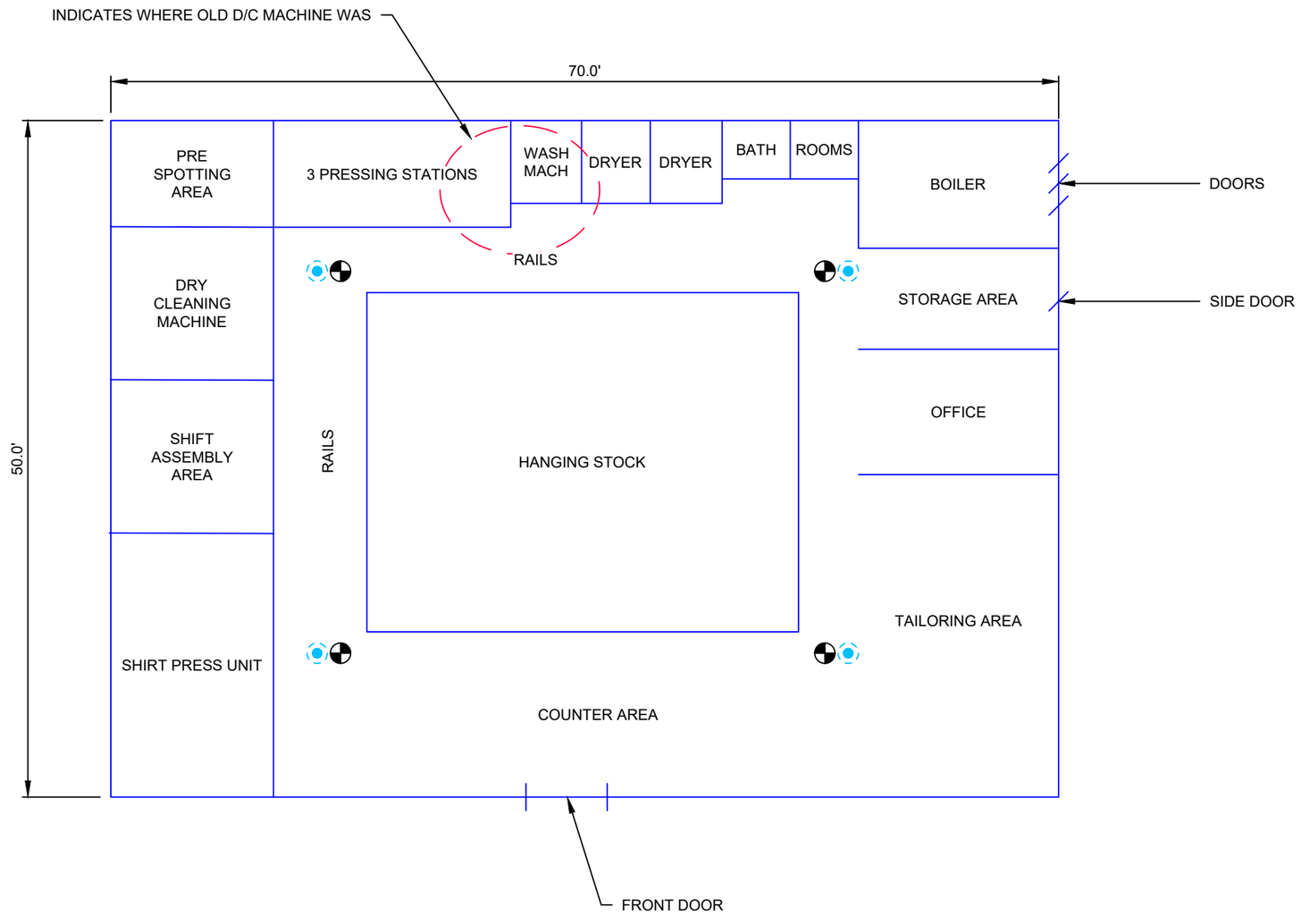
Clearview Cleaners JAB

GEI Consultants

PROPOSED EXTERIOR SAMPLE LOCATIONS

Project 1607000 | May 2026 | Fig. 9

---- B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\9 1607000 SRIWP.dwg - 4/9/2026



LEGEND

PROPOSED SUB-SLAB SOIL VAPOR SAMPLE

PROPOSED SOIL BORING

0 10 20

SCALE: 1" = 10'

Supplemental Remedial Investigation Work Plan
Clearview Cleaners
202-16 Hillside Avenue, Queens

Clearview Cleaners JAB

GEI Consultants

PROPOSED INTERIOR SAMPLE LOCATIONS

Project 1607000 | May 2026 | Fig. 10

---- B:\Working\FARRELL FRITZ PC\1607000 Clearview Cleaners for BCP\00_CAD\Figures\SRIWP\10 1607000 SRIWP.dwg - 4/9/2026

Appendix A Key GEI Personnel Resumes

William J. Fitchett
Project Manager

resume

William J. Fitchett is a project manager working out of GEI's Long Island office with more than ten years of experience in the environmental consulting industry. Mr. Fitchett regularly completes environmental investigations and remediation including Phase I and Phase II Environmental Site Assessments, monitoring well design/installation, UIC closures, UST removals, Spill closures, and solid and hazardous waste disposal. His responsibilities include performing and managing field investigations and remedial activities at numerous sites throughout New York State, as well as several other states from New England to Florida. He has extensive experience in the brownfield industry including Sites in the New York State Brownfield Cleanup Program (BCP) and New York City Office of Environmental Remediation Voluntary Cleanup Program (VCP).

EDUCATION
M.A., Earth and Environmental Sciences, City University of New York, Brooklyn College
B.S., Environmental Science, State University of New York, College at Oneonta

EXPERIENCE IN THE INDUSTRY
10 years

EXPERIENCE WITH GEI
7 years

REGISTRATIONS/CERTIFICATIOS
OSHA 40-Hour HAZWOPER
OSHA 30-Hour Construction Safety
Adult First Aid/CPR/AED

PROFESSIONAL AFFILIATIONS
New York City Brownfield Partnership – Board Member

PROJECT EXPERIENCE

Beneficial Use – NYC Department of Environmental Protection Water Tunnel Shafts, Queens and Brooklyn, NY. Provided environmental support for the in-situ material classification of more than 25,000 cubic yards of soil/fill to be generated from the construction of two water tunnel shafts. In-situ sampling was performed to limit the need for on-site staging/stockpiling. Soil borings were installed to a depth of up 260 ft. Bgs., and more than 140 soil samples were collected. Sampling procedures and analytical protocols following strict adherence to the NYCDEP-approved Field Sampling Plan.

NYSDEC Brownfield Cleanup Program (BCP), Commercial Dry-Cleaners Astoria, Queens, NY. Past operations included a commercial dry-cleaning operation and an auto repair facility. Provided oversight for remedial investigation activities and coauthor of the Remedial Investigation Report (RIR) with impacts to soil, soil vapor, and groundwater. Managed field implementation of the Interim Remedial Measure (IRM) work plan which included impacted soil excavation, off-site disposal and a Community Air Monitoring Plan (CAMP). The Remedial Action Work Plan included installation of an active sub-slab depressurization system (SSDS) and In-Situ Chemical Oxidation (ISCO) treatment of impacted groundwater. The Final Engineering Report was approved by NYSDEC, and the Certificate of Completion was issued in December 2021. Managed the SSDS Startup and Monthly Operation and Maintenance (OMM) Inspections and Quarterly Post-Remedial Groundwater Monitoring.er results to date have shown a significant reduction in Tetrachloroethene (PCE) concentrations. Remedial Actions at the site were performed in conjunction with the construction of a multi-story residential building with a full basement. Served as Project Manager for post-remedial groundwater monitoring and SSDS OMM. Co-author Quarterly Groundwater Monitoring Reports and Annual Periodic Review Reports.

NYSDEC Brownfield Cleanup Program (BCP), Joey's Cleaners, Bronx, NY. Provided oversight for remedial investigation activities and supplemental remedial investigation activities and coauthor of the Remedial Investigation Report (RIR) for an active dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. Remedial investigation included two supplemental investigations to fully delineate off-site contamination, as well as soil vapor intrusion testing in a neighboring residence. Investigations were performed in conjunction with the active commercial tenants to minimize disruption to the ongoing businesses at the Site. The Remedial Investigation Report (RIR) was approved by NYSDEC and NYSDOH. Managed the installation of an active Sub-Slab Depressurization System (SSDS) as specified in the NYSDEC-approved Interim Remedial Measure Work Plan (IRMWP). Co-Author of NYSDEC-approved IRM Construction Completion Report. Project work to date is on time and within the projected budget.

NYSDEC Brownfield Cleanup Program (BCP), Clearview Cleaners, Queens, NY. Managed on and off-site supplemental remedial investigation activities and the preparation of the Remedial Investigation Report (RIR) for a dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. An Interim Remedial Measure Work Plan design was completed. Project work to date is on time and within the projected budget.

NYCOER E-Designation Requirements and NYSDEC Spill Remediation, Hillside Avenue, Jamaica, NY. Manage decommissioning of a former gasoline filling station including removing four underground gasoline storage tanks. The OER-required remedial investigation was performed concurrently. In response to soil contamination identified, a spill incident was called into NYSDEC. Manage supplemental remedial investigation with strict adherence to a NYSDEC and NYCOER-approved work plan. Co-author of project documents including submission of Remedial Investigation Work Plan and Site-Specific Health and Safety Plan (HASP), Remedial Investigation Report (RIR), Supplemental RIWP and Supplemental RIR, and the Remedial Action Work Plan (RAWP). Remedial action is expected to begin in 2025.

NYCOER E-Designation Requirements and NYSDEC Spill Remediation, Jerome Avenue, Bronx, NY. Managed excavation and removal of petroleum-impacted soil and installation of a sub-slab depressurization system (SSDS) under a NYCOER and NYSDEC-approved Remedial Action Work Plan. Prepare spill closure report for submittal to NYSDEC. Formal spill closure was issued by NYSDEC in 2023. Author Remedial Closure Report (RCR) for submittal to NYCOER.

NYCOER E-Designation Requirements, 49th Avenue, Long Island City, NY. Managed the OER-required Remedial Investigation and subsequent Remedial Action. Coauthor of project documents including submission of Remedial Investigation Work Plan and Site-Specific Health and Safety Plan (HASP), Remedial Investigation Report (RIR), Remedial Action Work Plan (RAWP), and Remedial Closure Report. Project Manager for the implementation of the RAWP which included the removal and off-Site disposal of more than 1,300 tons of soil, as well as installation of a vapor barrier and composite cover system. Final OER Notice of Satisfaction (NOS) was received in 2024.

NYCOER VCP Program, E-Designation Requirements, 31st Street, Astoria, NY. Managed the OER-required Remedial Investigation. Coauthor of project documents including, submission of Remedial Investigation Work Plan and Site-Specific Health and Safety Plan (HASP), Remedial Investigation Report (RIR), and the Remedial Action Work Plan (RAWP). Project Manager for the oversight for the implementation of the Remedial Action Work Plan, including the removal and off-site disposal of over 13,000 CY of soil, including 1,170 CY of soil which was transferred to the NYCOER Clean Soil Stockpile. Remedial action was completed in early 2024.

NYSDEC Spill Remediation, Long Island City, NY. Co-author of groundwater remediation plan which designed a remediation strategy for an open petroleum spill. Directed the installation of monitoring wells and recovery wells in a narrow sidewalk between an active 15-story commercial/residential building with an adjacent underground subway line as well as several utility conduits, located in a densely populated area of Queens. Managed the injection of over 12,500-gallons of water/Petro Fix mix to remediate a dissolved petroleum plume. Groundwater results to date have shown a significant reduction in petroleum-related Volatile Organic Compounds (VOCs). Field work was managed to minimize disruptions to local businesses and residents and avoid potential damage to NY Transit and utility equipment. Co-author Spill Closure Report. Formal closure from NYSDEC was received in 2024.

Environmental Due Diligence, Mavis Tire Supply Corp., Various Locations, RI and MA. Provide environmental due diligence forensic research during the acquisition of 105 automotive service properties in New England. The work entailed desktop review of relevant environmental documents. In addition, performance of site inspections of locations throughout New England to understand potential environmental liabilities prior to acquisition.

Environmental Due Diligence, Gateway Tire Acquisition, Mavis Tire Supply Corp., Various locations, TX and LA. Provided environmental due diligence during the acquisition of 12 various properties located throughout Texas and Louisiana. Phase 1 and Phase 2 investigation reports were prepared within a 30-day period

to understand potential environmental liabilities prior to acquisition. Reports were prepared for investor review and financial risk assessment.

Environmental Due Diligence, Tuffy Tire Acquisition, Mavis Tire Supply Corp., Tampa, FL. Assessment and investigation of site history and potential presence of recognized environmental conditions during the acquisition of 4 automotive service properties. Phase 1 investigation reports were prepared within a 30-day period to understand potential environmental liabilities prior to acquisition. Reports were prepared for investor review and financial risk assessment.

Gasoline Station Decommissioning, Mavis Tire Supply Corp., Wayne, NJ. Performed field oversight for decommissioning of a gasoline service station under supervision of GEI's licensed site remediation professional (LSRP). Provide subcontractor oversight for removal of three 10,000-gallon underground storage tanks, one 12,000-gallon underground storage tank and all associated piping and dispenser pumps. Cleanup actions included excavation and off-site disposal of impacted soils as well as excavation dewatering of impacted groundwater. Performed all required soil sampling to confirm that all impacted soil was removed. Also provided subcontractor oversight for installation of groundwater monitoring wells.

Former Auto Repair Shop, Syosset, NY. Performed Phase I ESA which identified several recognized environmental conditions (RECs) in connection with stormwater drains, hydraulic lifts, and a former septic system. Provided oversight for Phase II ESA which identified contaminated sediment within parking lot storm drains and contaminated soils surrounding the former hydraulic lifts. Provided oversight for remedial action including the United States Environmental Protection Agency (USEPA) Class V Underground Injection Control (UIC) cleanouts and underground hydraulic lift removal to prepare a property for a future sale. Coordination and work plan approvals were required by several regulatory agencies including USEPA, NYSDEC, and Nassau County Department of Health (NCDH). Co-author Phase I and Phase II ESA reports and Remedial Action Report (RAR).

Legionella Remediation, Residential Building, Bronx, NY. Managed the implementation of a Long-Term Legionella Remediation Plan where the building water supply is under active treatment. Responsible for regular monitoring of the copper-silver ionization water treatment system to prevent buildup of Legionella bacteria in potable water. Perform scheduled legionella sampling to confirm Legionellae bacteria are no longer present in the potable building's water supply. Perform regular system maintenance, along with collection of potable water samples and field monitoring of copper concentrations.

East 115th Street Former MGP (Manufactured Gas Plant) Site, Con Edison, New York, NY. Field Manager for the startup and ongoing Operations, Maintenance, and Monitoring (OMM) of a large-scale sub-slab depressurization system (SSDS) installed in an active high school. OMM includes quarterly and annual inspections and confirmation of the SSDS performance. Responsibilities include troubleshooting and inspecting system components and quarterly monitoring sub-slab and extraction points. Co-author of annual Periodic Review Reports.

NYSDEC Brownfield Cleanup Program (BCP) Remedial Investigation, Redevelopment Site, New York, NY. Field Manager responsible for implementing remedial investigation activities and coauthor of the Remedial Investigation Report (RIR) for a large redevelopment Site with onsite and potential off-site impacts to soil, soil vapor, and groundwater. Conducted field operations for supplemental remedial investigation and co-authored the Supplemental Remedial Investigation Report.

PREVIOUS PROJECT EXPERIENCE

Phase I/II Environmental Site Investigations and Assessments, Numerous Sites in New York City and Long Island, NY. Assessment and investigation of site history and potential presence of recognized environmental conditions. Performed contractor oversight for various subsurface investigations and conducted environmental sampling for laboratory analysis. Preparation of Phase I/II Reports for review by various government agencies and clients.

NYCOER VCP Program, E-Designation Requirements, Brooklyn, NY. Provide soil removal and excavation oversight, inspections of engineering controls. Serve as site safety officer and co-author Remedial Action Report approved by NYCOER in 2017.

NYSDEC BCP Program, Brooklyn, NY. Perform field oversight for Remedial Investigation, including soil, soil vapor, and groundwater sampling, along with serving as site safety officer. Co-author Remedial Investigation Report (RIR) and Remedial Action Work Plan (RAWP) approved by NYSDEC in late 2017.

Hooker/Ruco Superfund Site, Hicksville, NY. Manage day-to-day operations and maintenance of biosparge groundwater remediation system. Serve as site safety officer and lead field personnel during semi-annual groundwater sampling events.

Nicholas J. Recchia, P.G.
Environmental Practice Leader - Hydrogeologist

resume

Nicholas Recchia's responsibilities include the development, management, and supervision of hazardous waste site investigations and remedial corrective actions for commercial/industrial and government properties. These responsibilities include project management for remedial investigation and remediation operations, specializing in soil, soil vapor and groundwater studies and remedial cleanup of contamination at commercial/industrial facilities, evaluation of soil and groundwater impacts for planned developments from New England to Florida. He has performed remedial subsurface investigations at over 2,000 sites.

Mr. Recchia has also completed remedial cleanup actions at over 300 sites within the New York City metropolitan area. He is familiar with New York City Department of Environmental Protection (NYCDEP), New York State Department of Environmental Conservation (NYSDEC), NYC Office of Environmental Remediation (NYCOER), NYC Economic Development Corporation (NYCEDC), and NYC Housing Development and Preservation (NYCHDP) environmental guidelines, regulations, and policies.

PROJECT EXPERIENCE

NYSDEC Brownfield Cleanup Program (BCP) Remedial Action Cleanup, Concourse Village West Apartments West and South Sites Bronx, NY. Historical auto/truck repair and fueling operations impacted onsite soil and groundwater where three residential apartment buildings were planned for development. Cleanup actions included excavation and off-site disposal of impacted soils, removal of underground petroleum storage tanks and in-situ treatment (ISCO) of on-site groundwater using chemical oxidants. Administrative controls include a Site Management Plan and Environmental Easement. The goal of the cleanup action was to achieve cleanup levels that protect public health and the environment. Remedial action was completed in the Fall 2019. The Final Engineering Report (FER) was approved by NYSDEC in November 2019 and NYSDEC issued the Certificate of Completion (COC) in December 2019.

NYSDEC Brownfield Cleanup Program (BCP) Remedial Investigation, Commercial Dry-Cleaners 31st Street Astoria, Queens, NY. Current and past operations include a commercial dry-cleaning operation. The property is scheduled for residential development in Spring 2020. The remedial investigation activities included the preparation of a Remedial Investigation Report (RIR) with onsite and potential offsite impacts to soil, soil vapor, and groundwater. Work included the BCP application, a Remedial Action Work Plan and Interim Remedial Measure design. A remedial Action Work Plan (RAWP) was designed in Fall 2019. The plan included provisions for impacted soil excavation and off-site disposal, installation of an active sub-slab depressurization system (SSDS) and ISCO treatment of impacted groundwater.

EDUCATION
M.S., Earth Science, Hydrogeology, Adelphi University
B.S., Geology and Water Resources Dual Degree, SUNY Oneonta

EXPERIENCE IN THE INDUSTRY
33 years

EXPERIENCE WITH GEI
29 years

REGISTRATIONS AND LICENSES
NY Professional Geologist No.14
IN Professional Geologist, No. IN1120
NJ Licensed Subsurface Evaluator, No. 0013038

CERTIFICATIONS
NYS Dept. of Environmental Conservation Erosion and Sediment Control, SWT
National Ground Water Association Certified Well Driller, CWD No.201440

PROFESSIONAL ASSOCIATIONS
Association of Groundwater Scientists and Engineers, Member
Association of Engineering Geologists, Member
Association for the Environmental Health of Soils, Member
New York State Council of Professional Geologists, Board Member 2014-Present
Long Island Association of Professional Geologists, Member
National Ground Water Association, Member

GEI Consultants

NYCOER Voluntary Cleanup Program (VCP), E-Designation Requirements, Beverly's Place Brooklyn, NY. The client has planned an affordable housing project and community space on the former Mastermade Furniture Company property. Funding was provided by New York City Housing Preservation (NYCHPD). Elevated concentrations of chlorinated volatile organic compounds (CVOCs) were found in soil vapor and groundwater. GEI prepared documents to enter the site into the NYCOER VCP program. The work scope included submission of Phase I ESA, Remedial Investigation Work Plan and Site Specific Health and Safety Plan (HASP), remedial investigation report (RIR), and the remedial action work plan (RAWP). GEI designed and installed a Soil Vapor Extraction (SVE) system in the new building to mitigate residual CVOCs. GEI is continuing provide Operational Monitoring and Maintenance (OM&M) of the SVE system and engineering support to the building operator.

Brownfield Cleanup Program (BCP) Remedial Investigation, Joeys Cleaner's, Bronx, NY. Project Manager including remedial investigation activities and the preparation of the Remedial Investigation Report (RIR) for a dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. The Remedial Investigation Work was completed and pending NYSDEC and New York State Department of Health (NYSDOH) review and approval. Project work to date is on time and within the projected budget.

Brownfield Cleanup Program (BCP) Remedial Investigation, Clearview Cleaners, Queens, NY. Project Manager including remedial investigation activities and the preparation of the Remedial Investigation Report (RIR) for a dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. A Remedial Action Work Plan and Interim Remedial Measure design was completed. The Feasibility Study (FS) is presently under design and a remedy selection is pending NYSDEC and New York State Department of Health (NYSDOH) review and approval. Project work to date is on time and within the projected budget.

Environmental Due Diligence, Sun Tire Aquisition, Mavis Tire Supply Corp., Various locations, FL. Provided environmental due-diligence during the acquisition of 13 various properties. Phase 1 and Phase 2 investigation reports were prepared within a 30 day period to understand potential environmental liabilities prior to acquisition. Reports were prepared for investor review and financial risk assessment.

Environmental Due Diligence, Project Special K, Mavis Tire Supply Corp., Various locations GA and FL Provided environmental due-diligence during the acquisition of 72 various properties. The work entailed assemblage and detailed review of previous Phase 1 and Phase 2 investigation reports to understand potential environmental liabilities. In areas where data gaps were identified additional investigation and reporting were provided to provide business negotiations and financial support.

Phase II Environmental Subsurface Investigation, Mavis Tire Supply Corp., Warren, NJ. The property site had a historic gasoline service station and automobile repair facility operating from circa 1940s-1970s. The purpose of this investigation was to determine if any impacts from the former gasoline and automotive repair activities, in ground hydraulic lift units, former underground petroleum storage tanks (USTs), closed NYSDEC spill incidents, the parking lot storm-water drainage structures, interior floor drains, and the oil water separator had impacted onsite soils, soil vapor and groundwater.

Waste Characterization Sampling and Analysis, Riverdale Equities, Bronx, NY. GEI collected samples for waste disposal pre-classification analysis for a planned mass foundation excavation contaminated soil stockpiles. The stockpiles sampled in accordance with the sample frequency established the New York State Department of Environmental Conservation document titled "DER-10/Technical Guidance for Site Investigation and Remediation" (DER-10). GEI provided detailed soil disposal options based upon the soil chemistry and geotechnical value of the stockpiled material.

NYSDEC Brownfield Cleanup Program (BCP) Site(s) #C203291 and C203092, Concourse Village West, Bronx, NY. Assisted the developer with the NYC Jumpstart program and transfer to the NYSDEC BCP program including BCP application, remedial investigation activities, the preparation of the Remedial Investigation Report (RIR) and the remedial action work plan for a planned three-building apartment complex with community space.

Interim Remedial Investigation, Former Safety Kleen Drycleaners, New Windsor, NY. Project Manager including remedial investigation activities and the preparation of the Remedial Investigation Report (RIR) for a dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. A Remedial Action Work Plan and Interim Remedial Measure design was completed. The Feasibility Study (FS) is presently under design and a remedy selection is pending NYSDEC and New York State Department of Health (NYSDOH) review and approval. Project work to date is on time and within the projected budget.

Spill Investigation, Lemle and Wolff, Inc., Manhattan, NY. GEI created a work plan to perform an environmental investigation in association with the delineation of NYSDEC spill number. NYSDEC suspected that petroleum from historical fueling operations at the subject property remote fill located in the sidewalk was responsible for gross contamination to soil and groundwater. The purpose of the investigation was to collect information to help determine if petroleum contamination identified at the location of the remote fueling line could be migrating along the sidewalk of the subject property. GEI determined that the spill was originating from an adjacent site and the NYSDEC closed the spill file. The project was completed on time and within budget.

Brownfields Cleanup Program NYSDEC Site #C224162 DCA-1 Apartments, Brooklyn, NY. Historic dry-cleaning operation discharged tetrachloroethylene (PCE) into on-site soils and ground water. GEI entered the site into the NYSDEC's Brownfield Cleanup Program. GEI developed and designed a Remedial Investigation (RI) and subsequent Remedial Action Work Plan (RAWP) to address the soil, soil vapor, and ground water impacts. The remedial action remedy was selected and constructed within the accepted timeframe and budget. NYSDEC issued the certificate of completion (COC) in December 2016.

Environmental Management Services Remedial Action Plan and Construction Health and Safety Plan (CHASP), Lantern Group, Bronx, NY. The Lantern Group was seeking a use-variance from the New York City Board of Standards and Appeals (BSA) pursuant to section 72-21 of the Zoning Resolution to permit construction of a Use Group 3 community facility building with the New York City Department of Environmental Protection (NYCDEP). GEI prepared work plan documents and performed remedial corrective action in accordance with a NYCDEP-approved Remedial Action Plan (RAP). NYCDEP approved the work and a notice to proceed was issued for the projects development. The project was completed and all environmental requirements have been satisfied with final approvals from NYCDEP.

NYCOER VCP Program Remedial Corrective Action, Mass Soil Excavation and Cover System Design, Woodrow Plaza, Staten Island, NY. Woodrow Plaza LLC was seeking to develop two parcels where past historic and past activities impacted soil quality. GEI entered the site into the NYSOER VCP with a remedy consisting of mass soil excavation and a composite soil cover system design. This enabled a significant savings on the foundation construction elements. Two large 45,000 square foot buildings were constructed. The remedial investigation and stipulation agreement were approved by NYCOER. Project has been constructed and the remedial action report has recently been approved by OER in October 2016. The ownership is applying for various grants available through the NYC BIG program.

Appendix B Previous Reports

B.1. Leggette, Brashears & Graham, Inc. Remedial Investigation (April 2013)

B.2. Leggette, Brashears & Graham, Inc. Subsurface Investigation Report (June 2013)

B.3. PMG Northeast, LLC Site Status Update Report (April 2017)

B.1. Leggette, Brashears & Graham, Inc. Remedial Investigation (April 2013)

LEGGETTE, BRASHEARS & GRAHAM, INC.

PROFESSIONAL GROUNDWATER AND ENVIRONMENTAL ENGINEERING SERVICES

110 CORPORATE PARK DRIVE, SUITE 112
WHITE PLAINS, NY 10604
914-694-5711
FAX 914-694-5744
www.lbgweb.com

April 23, 2013

Via e-mail: **jakollee@gw.dec.state.ny.us**

Mr. Jonathan Kolleeny
New York State Department of
Environmental Conservation
Division of Environmental Remediation, Region 2
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101

RE: Cumberland Farms, Inc.
Station No. 70263/V2114
202-06 Hillside Avenue
Hollis, New York
NYSDEC Spill No. 97-13740
Stipulation Agreement #R2-20120531-310

Dear Mr. Kolleeny:

Cumberland Farms, Inc. (CFI) retained Leggette, Brashears & Graham, Inc. (LBG) to complete a Remedial Investigation (RI) beneath and upgradient of the above-referenced site. The purpose of the investigation was to determine the source of dissolved volatile organic compounds (VOCs) in the groundwater beneath the CFI site. Field activities associated with the RI are still ongoing and the information and data presented in this letter is intended as a RI progress update. Once all activities associated with the July 2012 Remedial Investigation Work Plan are completed, a Remedial Investigation Report will be submitted to New York State Department of Environmental Conservation (NYSDEC).

Based on information presented herein, it is our opinion that the source of dissolved solvents beneath the CFI property referenced above is the upgradient and adjacent dry cleaning facility located at 202-16 Hillside Avenue, Hollis, New York. A site plan is shown on figure 1.

Drilling and Soil Sampling

From March 19, 2013 through March 22, 2013, LBG supervised the drilling of four soil borings (MW-7 through MW-10) at the site and at the adjacent dry cleaner property. The borings were drilled by Longshore Environmental, Inc. (Longshore) of Holbrook, New York using the hollow-stem auger drilling technique at locations MW-8, MW-9 and MW-10 and the direct push drilling technique at boring location MW-7, due to the presence of an overhead canopy. The termination depth of each soil boring ranged from 67 ft bg (feet below grade) to 72 ft bg. Groundwater was encountered at approximately 55 ft bg in all of the soil borings.

During the drilling, soil samples were collected at 5-foot intervals from grade to the boring termination depth using a 2-foot long split-spoon sampler at Borings MW-8, MW-9 and MW-10 and a 5-foot macrocore sampler at Boring MW-7. All soil samples were described on a geologic log (attached) and screened in the field with a photoionization detector (PID) for the presence of VOCs. Every soil sample collected was submitted for laboratory analysis. All samples were collected in accordance with United States Environmental Protection Agency (USEPA) Method 5035, placed on ice in a cooler and transported under a Chain of Custody to TestAmerica, Inc. (TestAmerica) of Nashville, Tennessee for analysis of VOCs by USEPA Method 8260.

Monitor Well Installation

From March 19, 2013 through March 22, 2013, LBG supervised the installation of four monitor wells into the previously drilled borings; Monitor Wells MW-7 through MW-10. All monitor wells were installed by Longshore.

Each monitor well was constructed using 2-inch diameter PVC casing and 20-slot PVC well screen. The well screen was set from approximately 45 ft bg to 65 ft bg. The annular space surrounding the well screen was filled with No. 2 filter sand from the bottom of the well screen to approximately 2 feet above the top of the well screen. A 1-foot thick bentonite seal was placed on top of the sand pack and the remaining annular space was filled with drill cuttings. Each well was fitted with a watertight cap, locked for security and completed at grade with an 8-inch diameter roadbox encased in a concrete pad. The geologic logs containing all well construction information are attached.

Top of Casing Elevation Survey and Fluid-Level Measurements

On March 22, 2013, LBG conducted a top of casing (TOC) elevation survey of the newly installed monitor wells. The TOC survey utilized the previously existing monitor wells as benchmark elevations for the newly installed monitor wells. On April 11, 2013, LBG measured the depth to water at each of the nine monitor wells associated with the site. A fluid-level summary is shown on table 1.

Hydrogeologic Setting

Based on the soil samples collected during the investigation, the overburden beneath and in the vicinity of the site consists primarily of medium to coarse sand with some fine gravel. Groundwater is generally encountered beneath and in the vicinity of the site at approximately 55 ft bg. Groundwater flow is toward the west at an average hydraulic gradient of 0.001 foot/foot (figure 2).

Soil Quality

The results of laboratory analysis indicate that several VOC's associated with petroleum were detected above New York State Department of Environmental Conservation (NYSDEC) CP-51 Soil Cleanup Objectives (SCO) in the soil samples collected between 30 ft bg and 57 ft bg from onsite soil boring MW-8 (table 2). The detected concentrations ranged between 8,680 ug/kg (micrograms per kilogram) and 103,000 ug/kg.

The results of laboratory analysis indicate that chlorinated solvents were detected above New York State Code of Rules and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO) in the soil samples collected from Borings MW-9 and MW-10 located on the adjacent dry cleaner's property. The chlorinated solvents were detected between 2 ft bg and 67 ft bg. The specific solvents detected above NYCRR Part 375 SCO were tetrachloroethene (as high as 1,810,000 ug/kg), trichloroethene (as high as 220,000 ug/kg) and cis-1,2-dichloroethene (as high as 74,700 ug/kg). A summary of the laboratory analytical results are shown on table 2. A copy of the original laboratory report is attached.

SUMMARY AND CONCLUSIONS

Based on the results of this investigation to date, it is our opinion that the source of dissolved solvents in the groundwater beneath the CFI site is located beneath the upgradient dry cleaning facility at 202-16 Hillside Avenue, Hollis, New York. Once the groundwater sampling activities are completed in May 2013, a comprehensive Remedial Investigation Report will be submitted to NYSDEC. The purpose of this letter was to provide an update to NYSDEC on project data collected to date and the future schedule.

If you have any questions please do not hesitate to contact me at (914) 694-5711.

Very truly yours,

LEGGETTE, BRASHEARS & GRAHAM, INC.

Jorma Weber
Senior Associate

Reviewed By:

John Benvegna
Vice President

JW:dmd
Attachment
cc: Chris Johnson
f:\reports\cfi\hollis\2013-02 ssi, mw install\letter.sp9713740.2013-04.hollis.remedialinv.docx

TABLE 1

CUMBERLAND FARMS, INC.
STATION NO. 70263/V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

Fluid-Level Summary
April 11, 2013

Well Identification	Top of Casing Elevation (feet)	Depth To Product (ftbtoc)	Depth To Water (ftbtoc)	Product Thickness (ftbtoc)	Corrected Groundwater Elevation (feet)
MW-1	88.95	---	54.00	---	34.95
MW-2	89.91	---	54.93	---	34.98
MW-3	91.54	---	56.65	---	34.89
MW-4	88.61	---	53.73	---	34.88
MW-5	83.37	---	48.50	---	34.87
MW-7	88.94	---	53.96	---	34.98
MW-8	88.18	---	53.29	---	34.89
MW-9	90.75	---	55.77	---	34.98
MW-10	90.91	---	55.92	---	34.99

ftbtoc = Feet below top of casing
NM = Not measured

TABLE 2

CUMBERLAND FARMS, INC.
STATION NO. 70263/V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

Summary of Soil Quality
Volatile Organic Compounds - USEPA Method 8260
Collected March 19, 20, 21, 2013

Sample Identification	Sample Depth (ft bg) [1]	Benzene (ug/kg) [2]	Toluene (ug/kg)	Ethyl-benzene (ug/kg)	Total Xylenes (ug/kg)	Isopropyl benzene (ug/kg)	n-Propyl-benzene (ug/kg)	1,3,5-Trimethyl-benzene (ug/kg)	1,2,4-Trimethyl-benzene (ug/kg)	n-Butyl-benzene (ug/kg)	sec-Butyl-benzene (ug/kg)	tert-Butyl-benzene (ug/kg)	p-Iso-propyl-toluene (ug/kg)	Naph-thalene (ug/kg)	MTBE [3] (ug/kg)	Tetra-chloro-ethene (ug/kg)	Tri-chloro-ethene (ug/kg)	Cis-1,2-Dichloro ethene (ug/kg)	trans-1,2-Dichloro-ethene (ug/kg)
MW-7	5-10	<1.54	<1.54	<1.54	<3.85	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<3.85	<1.54	2.29	<1.54	<1.54	<1.54
	10-15	<1.70	<1.70	<1.70	<4.24	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<4.24	<1.70	<1.70	<1.70	<1.70	<1.70
	15-20	<2.24	<2.24	<2.24	<5.60	<2.24	<2.24	<2.24	<2.24	<2.24	<2.24	<2.24	<2.24	<5.60	<2.24	3.37	<2.24	<2.24	<2.24
	20-25	<1.88	<1.88	<1.88	<4.70	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<4.70	<1.88	7.48	<1.88	<1.88	<1.88
	25-30	<1.91	<1.91	<1.91	<4.78	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<4.78	<1.91	10.9	<1.91	<1.91	<1.91
	30-35	<2.09	<2.09	<2.09	<5.21	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<5.21	<2.09	18.0	<2.09	<2.09	<2.09
	35-40	<2.03	<2.03	<2.03	<5.07	<2.03	<2.03	<2.03	<2.03	<2.03	<2.03	<2.03	<2.03	<5.07	<2.03	7.61	<2.03	<2.03	<2.03
	40-45	<1.84	<1.84	<1.84	<4.60	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<4.60	<1.84	11.3	<1.84	<1.84	<1.84
	45-50	<1.81	<1.81	<1.81	<4.52	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<4.52	<1.81	6.64	<1.81	<1.81	<1.81
	50-55	<2.04	<2.04	<2.04	<5.11	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<5.11	<2.04	10.8	<2.04	<2.04	<2.04
MW-8	5-7	1.9	3.18	<1.54	<3.84	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<3.84	<1.54	4.03	<1.54	<1.54	<1.54
	20-22	<1.89	<1.89	<1.89	<4.73	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<4.73	<1.89	<1.89	<1.89	<1.89	<1.89
	25-27	<1.87	<1.87	<1.87	<4.67	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<4.67	<1.87	<1.87	<1.87	<1.87	<1.87
	30-32	<98.5	387	3,240	41,300	1,180	6,630	27,900	96,700	18,200	1,400	<98.5	1,540	54,300	<98.5	187	<98.5	<98.5	<98.5
	35-37	2.84	24.1	87.4	3,570	22.3	126	1,870	7,000	1,110	18.0	<1.62	15.9	3,340	4.13	7.6	<1.62	<1.62	<1.62
	40-42	<91.4	404	8,680	54,600	2,110	10,700	29,500	103,000	15,400	1,800	<91.4	1,270	40,200	<91.4	<91.4	<91.4	<91.4	<91.4
	45-47	<1.80	9.50	4,100	25,000	85.6	4,380	12,800	46,100	6,270	61.3	<1.80	46.0	19,300	<1.80	<1.80	<1.80	<1.80	<1.80
	50-52	<1.98	<1.98	19.6	128	5.84	26.3	90.9	7,820	69.8	6.68	<1.98	4.66	2,740	<1.98	<1.98	<1.98	<1.98	<1.98
	55-57	<1.72	<1.72	144	572	163	1,080	3,000	8,420	1,230	101	<1.72	70.4	767	<1.72	64.5	<1.72	<1.72	<1.72
	60-62	<1.75	<1.75	1.76	8.73	<1.75	2.01	5.54	15.3	4.81	<1.75	<1.75	<1.75	5.04	<1.75	14.1	<1.75	<1.75	<1.75
	65-67	<1.73	<1.73	17.5	74.6	20.9	117	493	1,350	437	28.4	<1.73	18.7	91.4	<1.73	56.6	3.50	<1.73	<1.73
MW-9	5-7	<1.54	1.70	<1.54	7.83	<1.54	<1.54	<1.54	3.44	<1.54	<1.54	<1.54	<1.54	5.15	<1.54	4,220	21.7	8.22	<1.54
	10-12	<2.09	<2.09	<2.09	<5.23	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<5.23	<2.09	2,430	18.9	14.7	<2.09
	15-17	<2.50	<2.50	<2.50	<6.25	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<6.25	<2.50	32.9	<2.50	2.00	<2.50
	20-22	<1.53	4.08	3.04	21.7	<1.53	<1.53	2.09	9.36	<1.53	<1.53	<1.53	<1.53	<3.62	<1.53	3,060	14.4	9.25	<1.53
	25-27	<1.98	<1.98	<1.98	<4.94	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<4.94	<1.98	26.6	<1.98	<1.98	<1.98
	30-32	<2.05	<2.05	<2.05	<5.13	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<5.13	<2.05	29.4	<2.05	<2.05	<2.05
	35-37	<1.80	<1.80	<1.80	<4.49	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<4.49	<1.80	14.4	<1.80	<1.80	<1.80
	40-42	<1.77	<1.77	<1.77	<4.42	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<4.42	<1.77	44.3	1.93	29.6	<1.77
	45-47	<1.87	<1.87	<1.87	<4.67	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<4.67	<1.87	32.4	<1.87	<1.89	<1.87
	50-52	<88.7	<88.7	<88.7	<222	<88.7	<88.7	<88.7	<88.7	<88.7	<88.7	<88.7	<88.7	5,480	<88.7	1,440	<88.7	<88.7	<88.7
	55-57	<1.98	<1.98	<1.98	<4.96	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<4.96	<1.98	23.8	7.70	2.01	<1.98
	60-62	<1.79	<1.79	<1.79	<4.47	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<4.47	<1.79	64.7	<1.79	<1.70	<1.79
	65-67	<1.63	<1.63	<1.63	<4.07	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63	<4.07	<1.63	21.9	<1.63	<1.63	<1.63

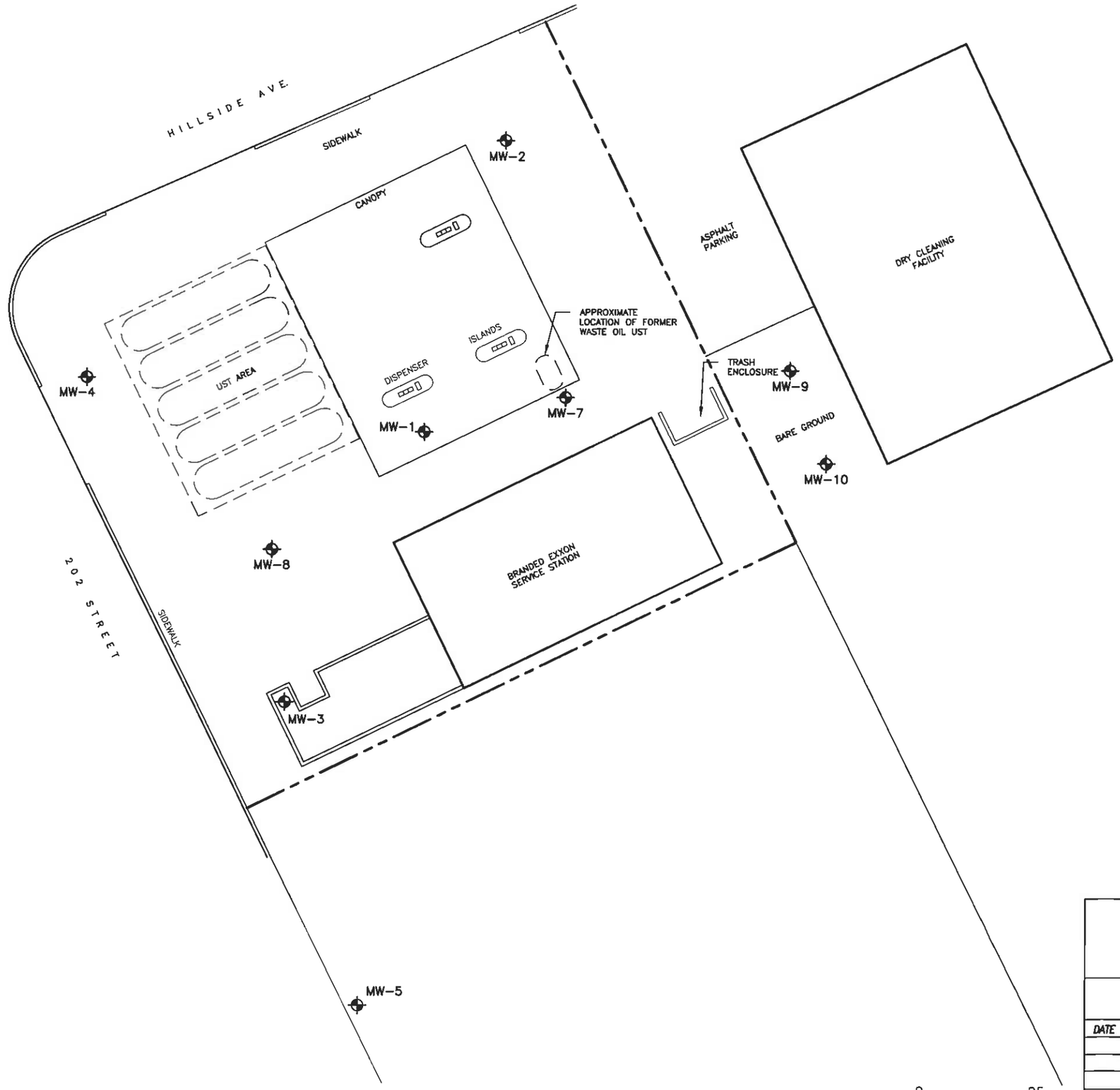
TABLE 2

CUMBERLAND FARMS, INC.
STATION NO. 70263/V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

Summary of Soil Quality
Volatile Organic Compounds - USEPA Method 8260
Collected March 19, 20, 21, 2013

Sample Identification	Sample Depth (ft bg) [1]	Benzene (ug/kg) [2]	Toluene (ug/kg)	Ethyl-benzene (ug/kg)	Total Xylenes (ug/kg)	Isopropyl benzene (ug/kg)	n-Propyl-benzene (ug/kg)	1,3,5-Trimethyl-benzene (ug/kg)	1,2,4-Trimethyl-benzene (ug/kg)	n-Butyl-benzene (ug/kg)	sec-Butyl-benzene (ug/kg)	tert-Butyl-benzene (ug/kg)	p-Iso-propyl-toluene (ug/kg)	Naph-thalene (ug/kg)	MTBE [3] (ug/kg)	Tetra-chloro-ethene (ug/kg)	Tri-chloro-ethene (ug/kg)	Cis-1,2-Dichloro ethene (ug/kg)	trans-1,2-Dichloro-ethene (ug/kg)
MW-10	2-3	<1,430	<1,430	<1,430	<3,580	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<3,580	<1,430	185,000	25,000	3,020	<1,430
	3-4	<1,430	<1,430	<1,430	<3,580	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<3,580	<1,430	1,810,000	220,000	74,700	<1,430
	5-7	<1,490	<1,490	<1,490	<3,740	<1,490	<1,490	<1,490	<1,490	<1,490	<1,490	<1,490	<1,490	<3,740	<1,490	148,000	16,700	14,700	<1,490
	10-12	<1,420	<1,420	<1,420	<3,560	<1,420	<1,420	<1,420	<1,420	<1,420	<1,420	<1,420	<1,420	<3,560	<1,420	126,000	10,900	10,300	<1,420
	15-17	<1.45	<1.45	<1.45	<3.62	<1.45	<1.45	<1.45	<1.45	<1.45	<1.45	<1.45	<1.45	<3.62	<1.45	1,110	117	189	13.5
	20-22	<1.95	<1.95	<1.95	<4.86	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<4.86	<1.95	111	15.0	26.6	<1.95
	25-27	<1.83	<1.83	<1.83	<4.57	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<4.57	<1.83	2,300	303	965	5.83
	30-32	<1.91	<1.91	<1.91	<4.77	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<4.77	<1.91	89.0	12.7	24.3	<1.91
	35-37	<1.96	<1.96	<1.96	<4.89	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<4.89	<1.96	857	21.8	28.8	<1.96
	40-42	<89.3	<89.3	<89.3	<223	<89.3	<89.3	<89.3	<89.3	<89.3	<89.3	<89.3	<89.3	<223	<89.3	17,600	2,120	2,280	<89.3
	45-47	<1,350	<1,350	<1,350	<3,370	<1,350	<1,350	<1,350	<1,350	<1,350	<1,350	<1,350	<1,350	<3,370	<1,350	92,000	8,190	5,680	<1,350
	50-52	<1.69	<1.69	<1.69	<4.23	<1.69	<1.69	<1.69	<1.69	<1.69	<1.69	<1.69	<1.69	<4.23	<1.69	36.4	3.54	5.31	<1.69
	55-57	<62.9	<62.9	<62.9	<157	<62.9	<62.9	<62.9	<62.9	<62.9	<62.9	<62.9	<62.9	<157	<62.9	44,800	3,700	2,540	<62.9
	60-62	<90.7	<90.7	<90.7	<227	<90.7	<90.7	<90.7	<90.7	<90.7	<90.7	<90.7	<90.7	<227	<90.7	10,300	2,070	800	<90.7
	65-67	<1.66	<1.66	<1.66	<4.16	<1.66	<1.66	<1.66	<1.66	<1.66	<1.66	<1.66	<1.66	<4.16	<1.66	3,060	136	113	<1.66
	70-72	<2.04	<2.04	<2.04	<5.10	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<5.10	<2.04	49.7	7.08	11.7	<2.04
NYSDEC CP-51[4]		**60**	**700**	**1,000**	**260**	**2,300**	**3,900**	**8,400**	**3,600**	**12,000**	**11,000**	**5,900**	**10,000**	**12,000**	**930**	**1,300 ***	**470 ***	**250 ***	**190 ***

1) Feet below grade
2) Micrograms per kilogram
3) Methyl tertiary-butyl ether
4) NYSDEC CP-51 - Soil cleanup levels for gasoline contaminated soils
* 6NYCRR PART 375 (Dec 14, 2006): Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
**NYSDEC CP-51: Supplemental soil cleanup objectives; Protection of Groundwater





LEGEND

MW-1 MONITOR WELL LOCATION

APPROXIMATE PROPERTY BOUNDARY

0 25

APPROXIMATE SCALE IN FEET

CUMBERLAND FARMS, INC.
GULF SERVICE STATION NO. 70263
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK

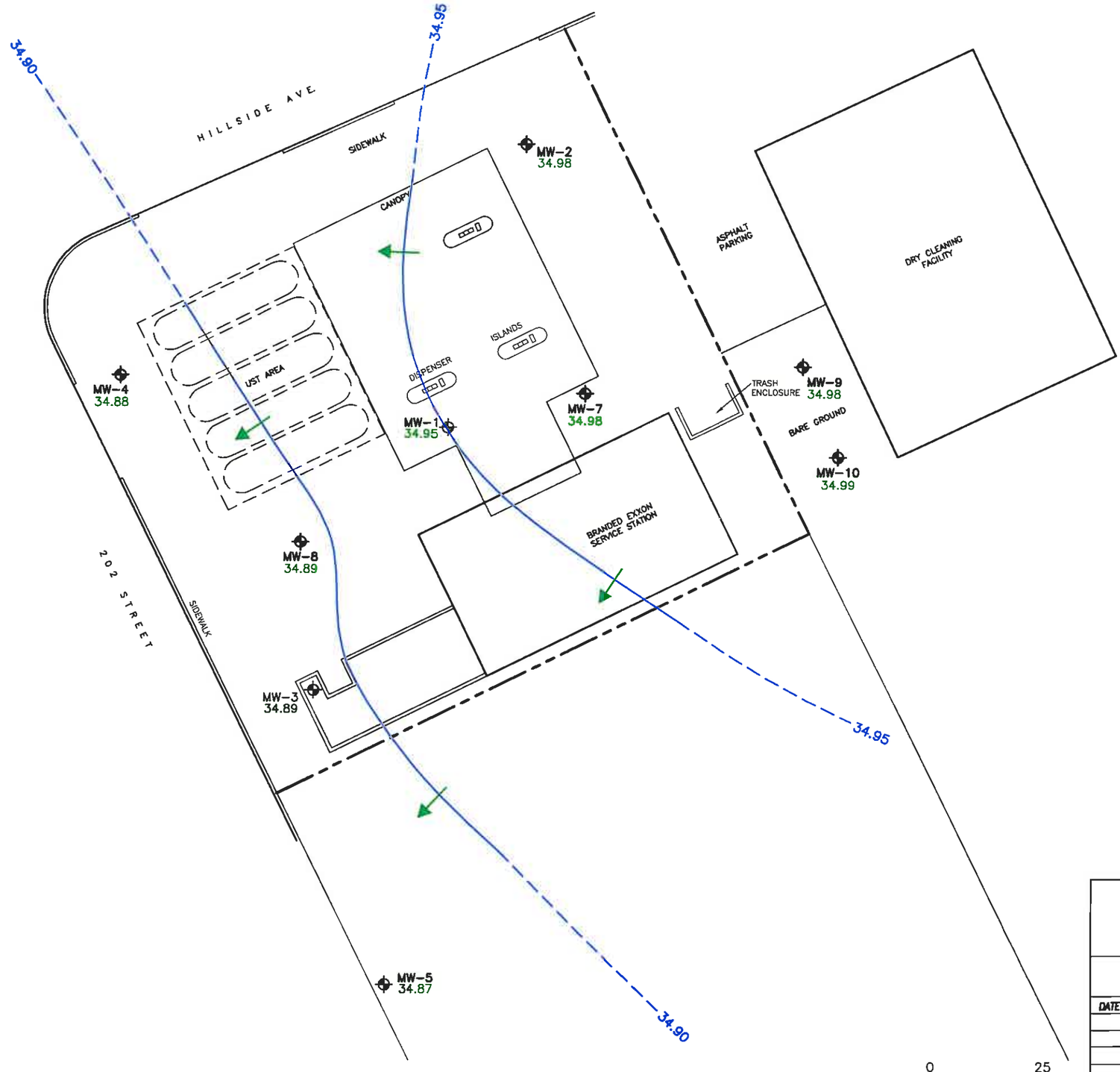
SITE PLAN

DATE	REVISED

PREPARED BY:

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Groundwater and Environmental Engineering Services
110 Corporate Park Drive
Suite 112
White Plains, NY 10604
(914) 694-5711

DRAWN:	RAC	CHECKED:	MKD	DATE:	04/10/13	FIGURE:	1



LEGEND

- MW-1 / 34.95 — MONITOR WELL LOCATION / CORRECTED GROUNDWATER ELEVATION
- APPROXIMATE PROPERTY BOUNDARY
- 34.90 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

CUMBERLAND FARMS, INC.
GULF SERVICE STATION NO. 70263
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP
APRIL 11, 2013

DATE	REVISED

PREPARED BY:

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Groundwater and Environmental Engineering Services
110 Corporate Park Drive
Suite 112
White Plains, NY 10604
(914) 694-5711

DRAWN:	MRV	CHECKED:	MD	DATE:	04/15/13	FIGURE:	2

Q:\DWG\Cumfarm\Sonoma\Hollis\2013\F2Apr2013.dwg, Layout1, 4/15/2013 10:41:38 AM, AcadPlotter3

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-22732-1
TestAmerica SDG: 202-06 Hillside Avenue, Hollis, NY
Client Project/Site: CFI Hollis 70263 / V2114

For:
Leggette, Brashears & Graham, Inc.
110 Corporate Park Drive, Suite 112
White Plains, New York 10604

Attn: Jorma Weber

Authorized for release by:
4/9/2013 12:45:17 PM
Leah Klingensmith
Senior Project Manager
leah.klingensmith@testamericainc.com

Designee for

Sherry Salomon
Project Mgmt. Assistant
sherry.salomon@testamericainc.com

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

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

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 28
QC Association 39
Chronicle 40
Method Summary 42
Certification Summary 43
Chain of Custody 47
Receipt Checklists 49

Sample Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-22732-1	MW-7 (5-10)	Soil	03/22/13 08:00	03/26/13 08:30
490-22732-2	MW-7 (10-15)	Soil	03/22/13 08:10	03/26/13 08:30
490-22732-3	MW-7 (15-20)	Soil	03/22/13 08:15	03/26/13 08:30
490-22732-4	MW-7 (20-25)	Soil	03/22/13 08:25	03/26/13 08:30
490-22732-5	MW-7 (25-30)	Soil	03/22/13 08:32	03/26/13 08:30
490-22732-6	MW-7 (30-35)	Soil	03/22/13 08:45	03/26/13 08:30
490-22732-7	MW-7 (35-40)	Soil	03/22/13 09:15	03/26/13 08:30
490-22732-8	MW-7 (40-45)	Soil	03/22/13 09:30	03/26/13 08:30
490-22732-9	MW-7 (45-50)	Soil	03/22/13 09:50	03/26/13 08:30
490-22732-10	MW-7 (50-55)	Soil	03/22/13 10:00	03/26/13 08:30
490-22732-11	TRIP BLANK	Soil	03/22/13 00:01	03/26/13 08:30

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Job ID: 490-22732-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-22732-1

Comments
No additional comments.

Receipt
The samples were received on 3/26/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9º C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 69193 were outside control limits. This is attributed to: possible poor purge of MSD and matrix interferences.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): (490-23072-6 MSD). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 69193 exceeded control limits for the following analytes: Chlorobenzene, 1,1-Dichloroethene,1,2-Dichloropropane, t-1,2-Dichloroethene, and 1,1-Dichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 69464 exceeded control limits for the following analytes: 1,2-Dichloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 69464.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

The laboratory is only responsible for the certified testing and is not responsible for the sample integrity prior to laboratory receipt.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
E	Result exceeded calibration range.

Glossary

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

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (5-10)
Date Collected: 03/22/13 08:00
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-1
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1,1-Trichloroethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1,2,2-Tetrachloroethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1,2-Trichloroethane	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1-Dichloroethane	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1-Dichloroethene	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1-Dichloropropene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2,3-Trichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2,3-Trichloropropane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2,4-Trichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2,4-Trimethylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dibromo-3-Chloropropane	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dibromoethane (EDB)	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dichloroethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dichloropropane	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,3,5-Trimethylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,3-Dichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,3-Dichloropropane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,4-Dichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
2,2-Dichloropropane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
2-Butanone (MEK)	ND		38.5		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
2-Chlorotoluene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
2-Hexanone	ND		38.5		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
4-Chlorotoluene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		38.5		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Acetone	**118**		38.5		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Benzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromochloromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromodichloromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromoform	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromomethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Carbon disulfide	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Carbon tetrachloride	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chlorobenzene	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chlorodibromomethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chloroethane	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chloroform	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chloromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
cis-1,2-Dichloroethene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
cis-1,3-Dichloropropene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Dibromomethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Dichlorodifluoromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Ethylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Hexachlorobutadiene	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Isopropylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Methyl tert-butyl ether	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Methylene Chloride	ND		7.69		ug/Kg		03/26/13 18:06	04/01/13 16:20	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (5-10)
Date Collected: 03/22/13 08:00
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-1
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
n-Butylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
N-Propylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
p-Isopropyltoluene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
sec-Butylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Styrene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
tert-Butylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Tetrachloroethene	**2.29**		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Toluene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
trans-1,2-Dichloroethene	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
trans-1,3-Dichloropropene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Trichloroethene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Trichlorofluoromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Vinyl chloride	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Xylenes, Total	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:20*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:20*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:20*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:20*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (10-15)
Date Collected: 03/22/13 08:10
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-2
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1,1-Trichloroethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1,2,2-Tetrachloroethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1,2-Trichloroethane	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1-Dichloroethane	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1-Dichloroethene	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1-Dichloropropene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2,3-Trichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2,3-Trichloropropane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2,4-Trichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2,4-Trimethylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dibromo-3-Chloropropane	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dibromoethane (EDB)	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dichloroethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dichloropropane	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,3,5-Trimethylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,3-Dichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,3-Dichloropropane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,4-Dichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
2,2-Dichloropropane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
2-Butanone (MEK)	ND		42.4		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
2-Chlorotoluene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
2-Hexanone	ND		42.4		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
4-Chlorotoluene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		42.4		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Acetone	ND		42.4		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Benzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromochloromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromodichloromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromoform	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromomethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Carbon disulfide	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Carbon tetrachloride	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chlorobenzene	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chlorodibromomethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chloroethane	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chloroform	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chloromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
cis-1,2-Dichloroethene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
cis-1,3-Dichloropropene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Dibromomethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Dichlorodifluoromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Ethylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Hexachlorobutadiene	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Isopropylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Methyl tert-butyl ether	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Methylene Chloride	ND		8.49		ug/Kg		03/26/13 18:06	04/01/13 16:49	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (10-15)
Date Collected: 03/22/13 08:10
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-2
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
n-Butylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
N-Propylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
p-Isopropyltoluene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
sec-Butylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Styrene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
tert-Butylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Tetrachloroethene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Toluene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
trans-1,2-Dichloroethene	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
trans-1,3-Dichloropropene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Trichloroethene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Trichlorofluoromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Vinyl chloride	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Xylenes, Total	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:49*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:49*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:49*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (15-20)
Date Collected: 03/22/13 08:15
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-3
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1,1-Trichloroethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1,2,2-Tetrachloroethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1,2-Trichloroethane	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1-Dichloroethane	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1-Dichloroethene	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1-Dichloropropene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2,3-Trichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2,3-Trichloropropane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2,4-Trichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2,4-Trimethylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dibromo-3-Chloropropane	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dibromoethane (EDB)	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dichloroethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dichloropropane	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,3,5-Trimethylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,3-Dichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,3-Dichloropropane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,4-Dichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
2,2-Dichloropropane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
2-Butanone (MEK)	ND		56.0		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
2-Chlorotoluene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
2-Hexanone	ND		56.0		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
4-Chlorotoluene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
4-Methyl-2-pentanone (MIBK)	ND		56.0		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Acetone	ND		56.0		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Benzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromochloromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromodichloromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromoform	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromomethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Carbon disulfide	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Carbon tetrachloride	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chlorobenzene	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chlorodibromomethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chloroethane	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chloroform	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chloromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
cis-1,2-Dichloroethene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
cis-1,3-Dichloropropene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Dibromomethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Dichlorodifluoromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Ethylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Hexachlorobutadiene	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Isopropylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Methyl tert-butyl ether	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Methylene Chloride	ND		11.2		ug/Kg		03/26/13 18:06	04/01/13 17:19	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (15-20)
Date Collected: 03/22/13 08:15
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-3
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
n-Butylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
N-Propylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
p-Isopropyltoluene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
sec-Butylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Styrene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
tert-Butylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Tetrachloroethene	**3.37**		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Toluene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
trans-1,2-Dichloroethene	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
trans-1,3-Dichloropropene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Trichloroethene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Trichlorofluoromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Vinyl chloride	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Xylenes, Total	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:19*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:19*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:19*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (20-25)
Date Collected: 03/22/13 08:25
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-4
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1,1-Trichloroethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1,2,2-Tetrachloroethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1,2-Trichloroethane	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1-Dichloroethane	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1-Dichloroethene	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1-Dichloropropene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2,3-Trichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2,3-Trichloropropane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2,4-Trichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2,4-Trimethylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dibromo-3-Chloropropane	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dibromoethane (EDB)	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dichloroethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dichloropropane	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,3,5-Trimethylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,3-Dichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,3-Dichloropropane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,4-Dichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
2,2-Dichloropropane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
2-Butanone (MEK)	ND		47.0		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
2-Chlorotoluene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
2-Hexanone	ND		47.0		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
4-Chlorotoluene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
4-Methyl-2-pentanone (MIBK)	ND		47.0		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Acetone	ND		47.0		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Benzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromochloromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromodichloromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromoform	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromomethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Carbon disulfide	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Carbon tetrachloride	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chlorobenzene	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chlorodibromomethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chloroethane	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chloroform	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chloromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
cis-1,2-Dichloroethene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
cis-1,3-Dichloropropene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Dibromomethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Dichlorodifluoromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Ethylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Hexachlorobutadiene	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Isopropylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Methyl tert-butyl ether	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Methylene Chloride	ND		9.40		ug/Kg		03/26/13 18:06	04/01/13 17:49	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (20-25)
Date Collected: 03/22/13 08:25
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-4
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
n-Butylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
N-Propylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
p-Isopropyltoluene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
sec-Butylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Styrene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
tert-Butylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Tetrachloroethene	**7.48**		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Toluene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
trans-1,2-Dichloroethene	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
trans-1,3-Dichloropropene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Trichloroethene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Trichlorofluoromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Vinyl chloride	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Xylenes, Total	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:49*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:49*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:49*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (25-30)
Date Collected: 03/22/13 08:32
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-5
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1,1-Trichloroethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1,2,2-Tetrachloroethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1,2-Trichloroethane	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1-Dichloroethane	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1-Dichloroethene	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1-Dichloropropene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2,3-Trichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2,3-Trichloropropane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2,4-Trichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2,4-Trimethylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dibromo-3-Chloropropane	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dibromoethane (EDB)	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dichloroethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dichloropropane	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,3,5-Trimethylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,3-Dichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,3-Dichloropropane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,4-Dichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
2,2-Dichloropropane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
2-Butanone (MEK)	ND		47.8		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
2-Chlorotoluene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
2-Hexanone	ND		47.8		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
4-Chlorotoluene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
4-Methyl-2-pentanone (MIBK)	ND		47.8		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Acetone	ND		47.8		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Benzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromochloromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromodichloromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromoform	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromomethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Carbon disulfide	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Carbon tetrachloride	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chlorobenzene	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chlorodibromomethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chloroethane	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chloroform	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chloromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
cis-1,2-Dichloroethene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
cis-1,3-Dichloropropene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Dibromomethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Dichlorodifluoromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Ethylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Hexachlorobutadiene	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Isopropylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Methyl tert-butyl ether	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Methylene Chloride	ND		9.56		ug/Kg		03/26/13 18:06	04/01/13 18:19	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (25-30)
Date Collected: 03/22/13 08:32
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-5
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
n-Butylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
N-Propylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
p-Isopropyltoluene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
sec-Butylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Styrene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
tert-Butylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Tetrachloroethene	**10.9**		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Toluene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
trans-1,2-Dichloroethene	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
trans-1,3-Dichloropropene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Trichloroethene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Trichlorofluoromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Vinyl chloride	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Xylenes, Total	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:19*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:19*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:19*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:19*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (30-35)
Date Collected: 03/22/13 08:45
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-6
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1,1-Trichloroethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1,2,2-Tetrachloroethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1,2-Trichloroethane	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1-Dichloroethane	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1-Dichloroethene	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1-Dichloropropene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2,3-Trichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2,3-Trichloropropane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2,4-Trichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2,4-Trimethylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dibromo-3-Chloropropane	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dibromoethane (EDB)	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dichloroethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dichloropropane	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,3,5-Trimethylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,3-Dichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,3-Dichloropropane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,4-Dichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
2,2-Dichloropropane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
2-Butanone (MEK)	ND		52.1		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
2-Chlorotoluene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
2-Hexanone	ND		52.1		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
4-Chlorotoluene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
4-Methyl-2-pentanone (MIBK)	ND		52.1		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Acetone	ND		52.1		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Benzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromochloromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromodichloromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromoform	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromomethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Carbon disulfide	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Carbon tetrachloride	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chlorobenzene	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chlorodibromomethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chloroethane	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chloroform	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chloromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
cis-1,2-Dichloroethene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
cis-1,3-Dichloropropene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Dibromomethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Dichlorodifluoromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Ethylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Hexachlorobutadiene	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Isopropylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Methyl tert-butyl ether	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Methylene Chloride	ND		10.4		ug/Kg		03/26/13 18:06	04/01/13 18:49	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (30-35)
Date Collected: 03/22/13 08:45
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-6
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
n-Butylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
N-Propylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
p-Isopropyltoluene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
sec-Butylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Styrene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
tert-Butylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Tetrachloroethene	**18.0**		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Toluene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
trans-1,2-Dichloroethene	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
trans-1,3-Dichloropropene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Trichloroethene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Trichlorofluoromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Vinyl chloride	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Xylenes, Total	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:49*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:49*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:49*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:49*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (35-40)
Date Collected: 03/22/13 09:15
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-7
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1,1-Trichloroethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1,2,2-Tetrachloroethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1,2-Trichloroethane	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1-Dichloroethane	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1-Dichloroethene	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1-Dichloropropene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2,3-Trichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2,3-Trichloropropane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2,4-Trichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2,4-Trimethylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dibromo-3-Chloropropane	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dibromoethane (EDB)	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dichloroethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dichloropropane	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,3,5-Trimethylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,3-Dichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,3-Dichloropropane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,4-Dichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
2,2-Dichloropropane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
2-Butanone (MEK)	ND		50.7		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
2-Chlorotoluene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
2-Hexanone	ND		50.7		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
4-Chlorotoluene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
4-Methyl-2-pentanone (MIBK)	ND		50.7		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Acetone	ND		50.7		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Benzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromochloromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromodichloromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromoform	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromomethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Carbon disulfide	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Carbon tetrachloride	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chlorobenzene	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chlorodibromomethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chloroethane	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chloroform	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chloromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
cis-1,2-Dichloroethene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
cis-1,3-Dichloropropene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Dibromomethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Dichlorodifluoromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Ethylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Hexachlorobutadiene	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Isopropylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Methyl tert-butyl ether	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Methylene Chloride	ND		10.1		ug/Kg		03/26/13 18:06	04/01/13 19:19	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (35-40)
Date Collected: 03/22/13 09:15
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-7
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
n-Butylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
N-Propylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
p-Isopropyltoluene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
sec-Butylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Styrene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
tert-Butylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Tetrachloroethene	**7.61**		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Toluene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
trans-1,2-Dichloroethene	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
trans-1,3-Dichloropropene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Trichloroethene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Trichlorofluoromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Vinyl chloride	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Xylenes, Total	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:19*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:19*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:19*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (40-45)
Date Collected: 03/22/13 09:30
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-8
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1,1-Trichloroethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1,2,2-Tetrachloroethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1,2-Trichloroethane	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1-Dichloroethane	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1-Dichloroethene	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1-Dichloropropene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2,3-Trichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2,3-Trichloropropane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2,4-Trichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2,4-Trimethylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dibromo-3-Chloropropane	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dibromoethane (EDB)	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dichloroethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dichloropropane	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,3,5-Trimethylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,3-Dichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,3-Dichloropropane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,4-Dichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
2,2-Dichloropropane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
2-Butanone (MEK)	ND		46.0		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
2-Chlorotoluene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
2-Hexanone	ND		46.0		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
4-Chlorotoluene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
4-Methyl-2-pentanone (MIBK)	ND		46.0		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Acetone	ND		46.0		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Benzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromochloromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromodichloromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromoform	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromomethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Carbon disulfide	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Carbon tetrachloride	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chlorobenzene	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chlorodibromomethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chloroethane	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chloroform	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chloromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
cis-1,2-Dichloroethene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
cis-1,3-Dichloropropene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Dibromomethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Dichlorodifluoromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Ethylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Hexachlorobutadiene	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Isopropylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Methyl tert-butyl ether	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Methylene Chloride	ND		9.20		ug/Kg		03/26/13 18:06	04/01/13 19:49	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (40-45)
Date Collected: 03/22/13 09:30
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-8
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
n-Butylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
N-Propylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
p-Isopropyltoluene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
sec-Butylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Styrene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
tert-Butylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Tetrachloroethene	**11.3**		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Toluene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
trans-1,2-Dichloroethene	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
trans-1,3-Dichloropropene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Trichloroethene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Trichlorofluoromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Vinyl chloride	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Xylenes, Total	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:49*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:49*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:49*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (45-50)
Date Collected: 03/22/13 09:50
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-9
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1,1-Trichloroethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1,2,2-Tetrachloroethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1,2-Trichloroethane	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1-Dichloroethane	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1-Dichloroethene	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1-Dichloropropene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2,3-Trichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2,3-Trichloropropane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2,4-Trichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2,4-Trimethylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dibromo-3-Chloropropane	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dibromoethane (EDB)	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dichloroethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dichloropropane	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,3,5-Trimethylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,3-Dichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,3-Dichloropropane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,4-Dichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
2,2-Dichloropropane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
2-Butanone (MEK)	ND		45.2		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
2-Chlorotoluene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
2-Hexanone	ND		45.2		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
4-Chlorotoluene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
4-Methyl-2-pentanone (MIBK)	ND		45.2		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Acetone	ND		45.2		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Benzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromochloromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromodichloromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromoform	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromomethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Carbon disulfide	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Carbon tetrachloride	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chlorobenzene	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chlorodibromomethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chloroethane	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chloroform	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chloromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
cis-1,2-Dichloroethene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
cis-1,3-Dichloropropene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Dibromomethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Dichlorodifluoromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Ethylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Hexachlorobutadiene	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Isopropylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Methyl tert-butyl ether	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Methylene Chloride	ND		9.05		ug/Kg		03/26/13 18:06	04/01/13 20:18	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (45-50)
Date Collected: 03/22/13 09:50
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-9
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
n-Butylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
N-Propylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
p-Isopropyltoluene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
sec-Butylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Styrene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
tert-Butylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Tetrachloroethene	**6.64**		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Toluene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
trans-1,2-Dichloroethene	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
trans-1,3-Dichloropropene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Trichloroethene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Trichlorofluoromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Vinyl chloride	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Xylenes, Total	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:18*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:18*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:18*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (50-55)
Date Collected: 03/22/13 10:00
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-10
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1,1-Trichloroethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1,2,2-Tetrachloroethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1,2-Trichloroethane	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1-Dichloroethane	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1-Dichloroethene	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1-Dichloropropene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2,3-Trichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2,3-Trichloropropane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2,4-Trichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2,4-Trimethylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dibromo-3-Chloropropane	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dibromoethane (EDB)	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dichloroethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dichloropropane	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,3,5-Trimethylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,3-Dichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,3-Dichloropropane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,4-Dichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
2,2-Dichloropropane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
2-Butanone (MEK)	ND		51.1		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
2-Chlorotoluene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
2-Hexanone	ND		51.1		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
4-Chlorotoluene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
4-Methyl-2-pentanone (MIBK)	ND		51.1		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Acetone	ND		51.1		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Benzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromochloromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromodichloromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromoform	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromomethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Carbon disulfide	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Carbon tetrachloride	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chlorobenzene	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chlorodibromomethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chloroethane	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chloroform	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chloromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
cis-1,2-Dichloroethene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
cis-1,3-Dichloropropene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Dibromomethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Dichlorodifluoromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Ethylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Hexachlorobutadiene	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Isopropylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Methyl tert-butyl ether	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Methylene Chloride	ND		10.2		ug/Kg		03/26/13 18:06	04/01/13 20:48	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (50-55)
Date Collected: 03/22/13 10:00
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-10
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
n-Butylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
N-Propylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
p-Isopropyltoluene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
sec-Butylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Styrene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
tert-Butylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Tetrachloroethene	**10.8**		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Toluene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
trans-1,2-Dichloroethene	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
trans-1,3-Dichloropropene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Trichloroethene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Trichlorofluoromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Vinyl chloride	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Xylenes, Total	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:48*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:48*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:48*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: TRIP BLANK
Date Collected: 03/22/13 00:01
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-11
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1-Dichloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1-Dichloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1-Dichloropropene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dichloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dichloropropane	ND	*	2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,3-Dichloropropane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
2,2-Dichloropropane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
2-Butanone (MEK)	ND		50.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
2-Chlorotoluene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
2-Hexanone	ND		50.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
4-Chlorotoluene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Acetone	ND		50.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Benzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromochloromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromodichloromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromoform	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromomethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Carbon disulfide	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Carbon tetrachloride	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chlorodibromomethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chloroethane	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chloroform	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chloromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Dibromomethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Dichlorodifluoromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Ethylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Hexachlorobutadiene	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Isopropylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Methyl tert-butyl ether	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Methylene Chloride	ND		10.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: TRIP BLANK
Date Collected: 03/22/13 00:01
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-11
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
n-Butylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
N-Propylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
p-Isopropyltoluene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
sec-Butylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Styrene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
tert-Butylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Tetrachloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Toluene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Trichloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Trichlorofluoromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Vinyl chloride	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Xylenes, Total	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*	*03/26/13 18:06*	*04/02/13 13:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/26/13 18:06*	*04/02/13 13:59*	*1*
Dibromofluoromethane (Surr)	*114*		*70 - 130*	*03/26/13 18:06*	*04/02/13 13:59*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/02/13 13:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-23072-A-6-D MS
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 69041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		47.3	57.10		ug/Kg		121	19 - 158
1,1,1-Trichloroethane	ND		47.3	69.25		ug/Kg		147	35 - 149
1,1,2,2-Tetrachloroethane	ND		47.3	53.68		ug/Kg		114	10 - 162
1,1,2-Trichloroethane	ND		47.3	58.08		ug/Kg		123	19 - 157
1,1-Dichloroethane	ND	*	47.3	68.75	F	ug/Kg		145	42 - 136
1,1-Dichloroethene	ND	*	47.3	78.45	F	ug/Kg		166	41 - 143
1,1-Dichloropropene	ND		47.3	64.30		ug/Kg		136	38 - 145
1,2,3-Trichlorobenzene	ND		47.3	52.38		ug/Kg		111	10 - 157
1,2,3-Trichloropropane	ND		47.3	52.04		ug/Kg		110	10 - 157
1,2,4-Trichlorobenzene	ND		47.3	53.71		ug/Kg		114	10 - 167
1,2,4-Trimethylbenzene	ND		47.3	48.29		ug/Kg		102	14 - 165
1,2-Dibromo-3-Chloropropane	ND		47.3	55.68		ug/Kg		118	10 - 147
1,2-Dibromoethane (EDB)	ND		47.3	54.69		ug/Kg		116	18 - 156
1,2-Dichlorobenzene	ND		47.3	59.76		ug/Kg		126	10 - 160
1,2-Dichloroethane	ND		47.3	56.10		ug/Kg		119	28 - 138
1,2-Dichloropropane	ND	*	47.3	55.51		ug/Kg		117	20 - 146
1,3,5-Trimethylbenzene	ND		47.3	53.51		ug/Kg		113	18 - 164
1,3-Dichlorobenzene	ND		47.3	60.45		ug/Kg		128	10 - 162
1,3-Dichloropropane	ND		47.3	53.76		ug/Kg		114	22 - 148
1,4-Dichlorobenzene	ND		47.3	60.66		ug/Kg		128	11 - 159
2,2-Dichloropropane	ND		47.3	67.20		ug/Kg		142	33 - 148
2-Butanone (MEK)	ND		236	274.6		ug/Kg		116	18 - 153
2-Chlorotoluene	ND		47.3	58.74		ug/Kg		124	20 - 156
2-Hexanone	ND		236	243.0		ug/Kg		103	10 - 169
4-Chlorotoluene	ND		47.3	61.96		ug/Kg		131	17 - 159
4-Methyl-2-pentanone (MIBK)	ND		236	251.4		ug/Kg		106	10 - 168
Acetone	73.7		236	337.9		ug/Kg		112	19 - 175
Benzene	ND		47.3	65.56		ug/Kg		138	31 - 143
Bromobenzene	ND		47.3	51.04		ug/Kg		108	12 - 157
Bromochloromethane	ND		47.3	61.71		ug/Kg		131	31 - 141
Bromodichloromethane	ND		47.3	62.69		ug/Kg		133	19 - 148
Bromoform	ND		47.3	54.92		ug/Kg		116	10 - 165
Bromomethane	ND		47.3	55.44		ug/Kg		117	10 - 164
Carbon disulfide	ND		47.3	69.84	F	ug/Kg		148	32 - 144
Carbon tetrachloride	ND		47.3	69.41		ug/Kg		147	31 - 149
Chlorobenzene	ND	*	47.3	65.80		ug/Kg		139	25 - 152
Chlorodibromomethane	ND		47.3	55.17		ug/Kg		117	14 - 146
Chloroethane	ND		47.3	69.10		ug/Kg		146	10 - 151
Chloroform	ND		47.3	68.71		ug/Kg		145	34 - 160
Chloromethane	ND		47.3	60.53		ug/Kg		128	10 - 156
cis-1,2-Dichloroethene	ND		47.3	63.93		ug/Kg		135	36 - 139
cis-1,3-Dichloropropene	ND		47.3	51.05		ug/Kg		108	15 - 166
Dibromomethane	ND		47.3	62.15		ug/Kg		132	20 - 146
Dichlorodifluoromethane	ND		47.3	70.60	F	ug/Kg		149	10 - 143
Ethylbenzene	ND		47.3	67.05		ug/Kg		142	23 - 161
Hexachlorobutadiene	ND		47.3	53.24		ug/Kg		113	10 - 171
Isopropylbenzene	ND		47.3	68.73		ug/Kg		145	23 - 181
Methyl tert-butyl ether	ND		47.3	51.55		ug/Kg		109	28 - 141

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

Lab Sample ID: 490-23072-A-6-D MS
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 69041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	69.4		47.3	129.6		ug/Kg		127	24 - 182
Naphthalene	ND		47.3	14.53		ug/Kg		31	10 - 176
n-Butylbenzene	ND		47.3	64.54		ug/Kg		137	10 - 175
N-Propylbenzene	ND		47.3	64.10		ug/Kg		136	19 - 162
p-Isopropyltoluene	ND		47.3	56.04		ug/Kg		119	12 - 168
sec-Butylbenzene	ND		47.3	65.34		ug/Kg		138	12 - 170
Styrene	ND		47.3	10.13		ug/Kg		21	10 - 165
tert-Butylbenzene	ND		47.3	55.73		ug/Kg		118	20 - 164
Tetrachloroethene	ND		47.3	73.06		ug/Kg		155	33 - 161
Toluene	ND		47.3	63.71		ug/Kg		135	30 - 155
trans-1,2-Dichloroethene	ND	*	47.3	69.07	F	ug/Kg		146	39 - 140
trans-1,3-Dichloropropene	ND		47.3	48.86		ug/Kg		103	10 - 157
Trichloroethene	ND		47.3	63.11		ug/Kg		134	27 - 153
Trichlorofluoromethane	ND		47.3	76.51	F	ug/Kg		162	25 - 140
Vinyl chloride	ND		47.3	70.95	F	ug/Kg		150	20 - 141
Xylenes, Total	ND		142	196.4		ug/Kg		138	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 490-23072-A-6-E MSD
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 69041

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.4	33.78	F	ug/Kg		67	19 - 158	51	50
1,1,1-Trichloroethane	ND		50.4	9.030	F	ug/Kg		18	35 - 149	154	50
1,1,2,2-Tetrachloroethane	ND		50.4	143.5	F	ug/Kg		285	10 - 162	91	50
1,1,2-Trichloroethane	ND		50.4	50.51		ug/Kg		100	19 - 157	14	50
1,1-Dichloroethane	ND	*	50.4	20.66	F	ug/Kg		41	42 - 136	108	50
1,1-Dichloroethene	ND	*	50.4	11.83	F	ug/Kg		23	41 - 143	148	50
1,1-Dichloropropene	ND		50.4	7.978	F	ug/Kg		16	38 - 145	156	50
1,2,3-Trichlorobenzene	ND		50.4	51.44		ug/Kg		102	10 - 157	2	50
1,2,3-Trichloropropane	ND		50.4	148.3	F	ug/Kg		294	10 - 157	96	50
1,2,4-Trichlorobenzene	ND		50.4	41.48		ug/Kg		82	10 - 167	26	50
1,2,4-Trimethylbenzene	ND		50.4	9.013	F	ug/Kg		18	14 - 165	137	50
1,2-Dibromo-3-Chloropropane	ND		50.4	207.3	E F	ug/Kg		411	10 - 147	115	50
1,2-Dibromoethane (EDB)	ND		50.4	58.95		ug/Kg		117	18 - 156	7	50
1,2-Dichlorobenzene	ND		50.4	43.01		ug/Kg		85	10 - 160	33	50
1,2-Dichloroethane	ND		50.4	40.25		ug/Kg		80	28 - 138	33	50
1,2-Dichloropropane	ND	*	50.4	25.04	F	ug/Kg		50	20 - 146	76	50
1,3,5-Trimethylbenzene	ND		50.4	9.970	F	ug/Kg		20	18 - 164	137	50
1,3-Dichlorobenzene	ND		50.4	30.94	F	ug/Kg		61	10 - 162	65	50
1,3-Dichloropropane	ND		50.4	43.61		ug/Kg		87	22 - 148	21	42
1,4-Dichlorobenzene	ND		50.4	33.30	F	ug/Kg		66	11 - 159	58	50

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

Lab Sample ID: 490-23072-A-6-E MSD
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 69041

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2-Dichloropropane	ND		50.4	8.866	F	ug/Kg		18	33 - 148	153	50
2-Butanone (MEK)	ND		252	438.9	F	ug/Kg		174	18 - 153	46	50
2-Chlorotoluene	ND		50.4	20.11	F	ug/Kg		40	20 - 156	98	50
2-Hexanone	ND		252	630.3	F	ug/Kg		250	10 - 169	89	50
4-Chlorotoluene	ND		50.4	19.02	F	ug/Kg		38	17 - 159	106	50
4-Methyl-2-pentanone (MIBK)	ND		252	644.7	F	ug/Kg		256	10 - 168	88	50
Acetone	73.7		252	729.4	F	ug/Kg		260	19 - 175	73	50
Benzene	ND		50.4	21.95	F	ug/Kg		42	31 - 143	100	50
Bromobenzene	ND		50.4	33.99		ug/Kg		67	12 - 157	40	50
Bromochloromethane	ND		50.4	52.09		ug/Kg		103	31 - 141	17	50
Bromodichloromethane	ND		50.4	28.90	F	ug/Kg		57	19 - 148	74	50
Bromoform	ND		50.4	75.34		ug/Kg		149	10 - 165	31	50
Bromomethane	ND		50.4	42.62		ug/Kg		85	10 - 164	26	50
Carbon disulfide	ND		50.4	14.73	F	ug/Kg		29	32 - 144	130	50
Carbon tetrachloride	ND		50.4	7.279	F	ug/Kg		14	31 - 149	162	50
Chlorobenzene	ND	*	50.4	27.78	F	ug/Kg		55	25 - 152	81	50
Chlorodibromomethane	ND		50.4	40.28		ug/Kg		80	14 - 146	31	50
Chloroethane	ND		50.4	25.57	F	ug/Kg		51	10 - 151	92	50
Chloroform	ND		50.4	23.07	F	ug/Kg		46	34 - 160	99	49
Chloromethane	ND		50.4	31.98	F	ug/Kg		63	10 - 156	62	50
cis-1,2-Dichloroethene	ND		50.4	18.53	F	ug/Kg		37	36 - 139	110	50
cis-1,3-Dichloropropene	ND		50.4	22.86	F	ug/Kg		45	15 - 166	76	50
Dibromomethane	ND		50.4	58.73		ug/Kg		117	20 - 146	6	50
Dichlorodifluoromethane	ND		50.4	10.83	F	ug/Kg		21	10 - 143	147	50
Ethylbenzene	ND		50.4	13.48	F	ug/Kg		27	23 - 161	133	50
Hexachlorobutadiene	ND		50.4	22.84	F	ug/Kg		45	10 - 171	80	50
Isopropylbenzene	ND		50.4	11.26	F	ug/Kg		22	23 - 181	144	50
Methyl tert-butyl ether	ND		50.4	32.78		ug/Kg		65	28 - 141	45	50
Methylene Chloride	69.4		50.4	88.12		ug/Kg		37	24 - 182	38	50
Naphthalene	ND		50.4	26.50	F	ug/Kg		53	10 - 176	58	50
n-Butylbenzene	ND		50.4	10.38	F	ug/Kg		21	10 - 175	145	50
N-Propylbenzene	ND		50.4	11.52	F	ug/Kg		23	19 - 162	139	50
p-Isopropyltoluene	ND		50.4	8.592	F	ug/Kg		17	12 - 168	147	50
sec-Butylbenzene	ND		50.4	9.599	F	ug/Kg		19	12 - 170	149	50
Styrene	ND		50.4	5.286	F	ug/Kg		10	10 - 165	63	50
tert-Butylbenzene	ND		50.4	10.10	F	ug/Kg		20	20 - 164	139	50
Tetrachloroethene	ND		50.4	15.66	F	ug/Kg		31	33 - 161	129	50
Toluene	ND		50.4	18.87	F	ug/Kg		37	30 - 155	109	50
trans-1,2-Dichloroethene	ND	*	50.4	12.05	F	ug/Kg		24	39 - 140	141	50
trans-1,3-Dichloropropene	ND		50.4	28.76	F	ug/Kg		57	10 - 157	52	50
Trichloroethene	ND		50.4	10.62	F	ug/Kg		21	27 - 153	142	50
Trichlorofluoromethane	ND		50.4	8.448	F	ug/Kg		17	25 - 140	160	50
Vinyl chloride	ND		50.4	18.73	F	ug/Kg		37	20 - 141	116	50
Xylenes, Total	ND		151	39.73	F	ug/Kg		26	25 - 162	133	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: 490-23072-A-6-E MSD
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 69041

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 490-69193/7
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			04/01/13 12:49	1
1,1-Dichloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1-Dichloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1-Dichloropropene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			04/01/13 12:49	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2-Dichloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2-Dichloropropane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,3-Dichloropropane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
2,2-Dichloropropane	ND		2.00		ug/Kg			04/01/13 12:49	1
2-Butanone (MEK)	ND		50.0		ug/Kg			04/01/13 12:49	1
2-Chlorotoluene	ND		2.00		ug/Kg			04/01/13 12:49	1
2-Hexanone	ND		50.0		ug/Kg			04/01/13 12:49	1
4-Chlorotoluene	ND		2.00		ug/Kg			04/01/13 12:49	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			04/01/13 12:49	1
Acetone	ND		50.0		ug/Kg			04/01/13 12:49	1
Benzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromochloromethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromodichloromethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromoform	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromomethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Carbon disulfide	ND		5.00		ug/Kg			04/01/13 12:49	1
Carbon tetrachloride	ND		2.00		ug/Kg			04/01/13 12:49	1
Chlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Chlorodibromomethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Chloroethane	ND		5.00		ug/Kg			04/01/13 12:49	1
Chloroform	ND		2.00		ug/Kg			04/01/13 12:49	1
Chloromethane	ND		2.00		ug/Kg			04/01/13 12:49	1

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

Lab Sample ID: MB 490-69193/7
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			04/01/13 12:49	1
Dibromomethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Ethylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Hexachlorobutadiene	ND		5.00		ug/Kg			04/01/13 12:49	1
Isopropylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			04/01/13 12:49	1
Methylene Chloride	ND		10.0		ug/Kg			04/01/13 12:49	1
Naphthalene	ND		5.00		ug/Kg			04/01/13 12:49	1
n-Butylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
N-Propylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
p-Isopropyltoluene	ND		2.00		ug/Kg			04/01/13 12:49	1
sec-Butylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Styrene	ND		2.00		ug/Kg			04/01/13 12:49	1
tert-Butylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Tetrachloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
Toluene	ND		2.00		ug/Kg			04/01/13 12:49	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			04/01/13 12:49	1
Trichloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
Trichlorofluoromethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Vinyl chloride	ND		2.00		ug/Kg			04/01/13 12:49	1
Xylenes, Total	ND		5.00		ug/Kg			04/01/13 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*04/01/13 12:49*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/01/13 12:49*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*04/01/13 12:49*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/01/13 12:49*	*1*

Lab Sample ID: LCS 490-69193/4
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	57.44		ug/Kg		115	80 - 136
1,1,1-Trichloroethane	50.0	61.30		ug/Kg		123	72 - 140
1,1,2,2-Tetrachloroethane	50.0	59.23		ug/Kg		118	66 - 134
1,1,2-Trichloroethane	50.0	62.23		ug/Kg		124	78 - 128
1,1-Dichloroethane	50.0	64.85	*	ug/Kg		130	75 - 124
1,1-Dichloroethene	50.0	68.32	*	ug/Kg		137	75 - 131
1,1-Dichloropropene	50.0	57.17		ug/Kg		114	79 - 127
1,2,3-Trichlorobenzene	50.0	63.80		ug/Kg		128	70 - 150
1,2,3-Trichloropropane	50.0	61.73		ug/Kg		123	65 - 139
1,2,4-Trichlorobenzene	50.0	61.18		ug/Kg		122	62 - 150
1,2,4-Trimethylbenzene	50.0	56.24		ug/Kg		112	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	64.07		ug/Kg		128	49 - 142

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

Lab Sample ID: LCS 490-69193/4
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	50.0	60.73		ug/Kg		121	80 - 135
1,2-Dichlorobenzene	50.0	61.84		ug/Kg		124	80 - 134
1,2-Dichloroethane	50.0	60.23		ug/Kg		120	65 - 134
1,2-Dichloropropane	50.0	90.64	*	ug/Kg		181	69 - 120
1,3,5-Trimethylbenzene	50.0	52.38		ug/Kg		105	78 - 138
1,3-Dichlorobenzene	50.0	61.95		ug/Kg		124	79 - 137
1,3-Dichloropropane	50.0	58.76		ug/Kg		118	78 - 126
1,4-Dichlorobenzene	50.0	62.71		ug/Kg		125	77 - 139
2,2-Dichloropropane	50.0	64.24		ug/Kg		128	68 - 145
2-Butanone (MEK)	250	287.4		ug/Kg		115	61 - 132
2-Chlorotoluene	50.0	59.83		ug/Kg		120	78 - 132
2-Hexanone	250	287.3		ug/Kg		115	57 - 148
4-Chlorotoluene	50.0	61.52		ug/Kg		123	77 - 138
4-Methyl-2-pentanone (MIBK)	250	287.3		ug/Kg		115	59 - 138
Acetone	250	278.1		ug/Kg		111	51 - 149
Benzene	50.0	60.64		ug/Kg		121	75 - 127
Bromobenzene	50.0	53.34		ug/Kg		107	75 - 130
Bromochloromethane	50.0	64.51		ug/Kg		129	70 - 132
Bromodichloromethane	50.0	61.62		ug/Kg		123	68 - 135
Bromoform	50.0	59.48		ug/Kg		119	36 - 150
Bromomethane	50.0	50.91		ug/Kg		102	43 - 142
Carbon disulfide	50.0	61.42		ug/Kg		123	74 - 135
Carbon tetrachloride	50.0	61.20		ug/Kg		122	70 - 141
Chlorobenzene	50.0	65.88	*	ug/Kg		132	84 - 125
Chlorodibromomethane	50.0	59.11		ug/Kg		118	66 - 134
Chloroethane	50.0	62.13		ug/Kg		124	53 - 144
Chloroform	50.0	63.97		ug/Kg		128	76 - 130
Chloromethane	50.0	51.52		ug/Kg		103	23 - 150
cis-1,2-Dichloroethene	50.0	61.80		ug/Kg		124	75 - 125
cis-1,3-Dichloropropene	50.0	54.47		ug/Kg		109	73 - 148
Dibromomethane	50.0	60.50		ug/Kg		121	71 - 130
Dichlorodifluoromethane	50.0	53.97		ug/Kg		108	12 - 144
Ethylbenzene	50.0	64.82		ug/Kg		130	80 - 134
Hexachlorobutadiene	50.0	56.74		ug/Kg		113	65 - 148
Isopropylbenzene	50.0	66.06		ug/Kg		132	80 - 150
Methyl tert-butyl ether	50.0	59.94		ug/Kg		120	70 - 136
Methylene Chloride	50.0	64.72		ug/Kg		129	68 - 144
Naphthalene	50.0	53.82		ug/Kg		108	69 - 150
n-Butylbenzene	50.0	60.92		ug/Kg		122	72 - 152
N-Propylbenzene	50.0	61.15		ug/Kg		122	75 - 137
p-Isopropyltoluene	50.0	53.45		ug/Kg		107	77 - 141
sec-Butylbenzene	50.0	61.64		ug/Kg		123	79 - 141
Styrene	50.0	61.69		ug/Kg		123	82 - 137
tert-Butylbenzene	50.0	52.31		ug/Kg		105	80 - 132
Tetrachloroethene	50.0	65.97		ug/Kg		132	78 - 140
Toluene	50.0	61.46		ug/Kg		123	80 - 132
trans-1,2-Dichloroethene	50.0	64.64	*	ug/Kg		129	76 - 128
trans-1,3-Dichloropropene	50.0	54.72		ug/Kg		109	62 - 139

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

Lab Sample ID: LCS 490-69193/4
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	63.20		ug/Kg		126	77 - 127
Trichlorofluoromethane	50.0	62.83		ug/Kg		126	50 - 140
Vinyl chloride	50.0	63.69		ug/Kg		127	47 - 136
Xylenes, Total	150	192.0		ug/Kg		128	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 490-69464/7
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			04/02/13 13:29	1
1,1-Dichloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1-Dichloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1-Dichloropropene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			04/02/13 13:29	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2-Dichloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2-Dichloropropane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,3-Dichloropropane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
2,2-Dichloropropane	ND		2.00		ug/Kg			04/02/13 13:29	1
2-Butanone (MEK)	ND		50.0		ug/Kg			04/02/13 13:29	1
2-Chlorotoluene	ND		2.00		ug/Kg			04/02/13 13:29	1
2-Hexanone	ND		50.0		ug/Kg			04/02/13 13:29	1
4-Chlorotoluene	ND		2.00		ug/Kg			04/02/13 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			04/02/13 13:29	1
Acetone	ND		50.0		ug/Kg			04/02/13 13:29	1
Benzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Bromobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Bromochloromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Bromodichloromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Bromoform	ND		2.00		ug/Kg			04/02/13 13:29	1

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

Lab Sample ID: MB 490-69464/7
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Carbon disulfide	ND		5.00		ug/Kg			04/02/13 13:29	1
Carbon tetrachloride	ND		2.00		ug/Kg			04/02/13 13:29	1
Chlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Chlorodibromomethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Chloroethane	ND		5.00		ug/Kg			04/02/13 13:29	1
Chloroform	ND		2.00		ug/Kg			04/02/13 13:29	1
Chloromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			04/02/13 13:29	1
Dibromomethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Ethylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Hexachlorobutadiene	ND		5.00		ug/Kg			04/02/13 13:29	1
Isopropylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			04/02/13 13:29	1
Methylene Chloride	ND		10.0		ug/Kg			04/02/13 13:29	1
Naphthalene	ND		5.00		ug/Kg			04/02/13 13:29	1
n-Butylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
N-Propylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
p-Isopropyltoluene	ND		2.00		ug/Kg			04/02/13 13:29	1
sec-Butylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Styrene	ND		2.00		ug/Kg			04/02/13 13:29	1
tert-Butylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Tetrachloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
Toluene	ND		2.00		ug/Kg			04/02/13 13:29	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			04/02/13 13:29	1
Trichloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
Trichlorofluoromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Vinyl chloride	ND		2.00		ug/Kg			04/02/13 13:29	1
Xylenes, Total	ND		5.00		ug/Kg			04/02/13 13:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*04/02/13 13:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/02/13 13:29*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*04/02/13 13:29*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/02/13 13:29*	*1*

Lab Sample ID: LCS 490-69464/3
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	52.39		ug/Kg		105	80 - 136
1,1,1-Trichloroethane	50.0	55.06		ug/Kg		110	72 - 140
1,1,2,2-Tetrachloroethane	50.0	52.48		ug/Kg		105	66 - 134
1,1,2-Trichloroethane	50.0	54.76		ug/Kg		110	78 - 128

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

Lab Sample ID: LCS 490-69464/3
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	58.93		ug/Kg		118	75 - 124
1,1-Dichloroethene	50.0	60.93		ug/Kg		122	75 - 131
1,1-Dichloropropene	50.0	47.97		ug/Kg		96	79 - 127
1,2,3-Trichlorobenzene	50.0	53.58		ug/Kg		107	70 - 150
1,2,3-Trichloropropane	50.0	50.73		ug/Kg		101	65 - 139
1,2,4-Trichlorobenzene	50.0	51.42		ug/Kg		103	62 - 150
1,2,4-Trimethylbenzene	50.0	47.19		ug/Kg		94	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	55.70		ug/Kg		111	49 - 142
1,2-Dibromoethane (EDB)	50.0	52.90		ug/Kg		106	80 - 135
1,2-Dichlorobenzene	50.0	55.11		ug/Kg		110	80 - 134
1,2-Dichloroethane	50.0	52.82		ug/Kg		106	65 - 134
1,2-Dichloropropane	50.0	81.80	*	ug/Kg		164	69 - 120
1,3,5-Trimethylbenzene	50.0	43.97		ug/Kg		88	78 - 138
1,3-Dichlorobenzene	50.0	52.96		ug/Kg		106	79 - 137
1,3-Dichloropropane	50.0	51.49		ug/Kg		103	78 - 126
1,4-Dichlorobenzene	50.0	54.89		ug/Kg		110	77 - 139
2,2-Dichloropropane	50.0	53.38		ug/Kg		107	68 - 145
2-Butanone (MEK)	250	237.8		ug/Kg		95	61 - 132
2-Chlorotoluene	50.0	50.53		ug/Kg		101	78 - 132
2-Hexanone	250	244.5		ug/Kg		98	57 - 148
4-Chlorotoluene	50.0	52.91		ug/Kg		106	77 - 138
4-Methyl-2-pentanone (MIBK)	250	247.2		ug/Kg		99	59 - 138
Acetone	250	254.0		ug/Kg		102	51 - 149
Benzene	50.0	55.20		ug/Kg		110	75 - 127
Bromobenzene	50.0	46.53		ug/Kg		93	75 - 130
Bromochloromethane	50.0	60.34		ug/Kg		121	70 - 132
Bromodichloromethane	50.0	56.63		ug/Kg		113	68 - 135
Bromoform	50.0	54.64		ug/Kg		109	36 - 150
Bromomethane	50.0	47.19		ug/Kg		94	43 - 142
Carbon disulfide	50.0	55.45		ug/Kg		111	74 - 135
Carbon tetrachloride	50.0	52.62		ug/Kg		105	70 - 141
Chlorobenzene	50.0	56.89		ug/Kg		114	84 - 125
Chlorodibromomethane	50.0	53.59		ug/Kg		107	66 - 134
Chloroethane	50.0	56.41		ug/Kg		113	53 - 144
Chloroform	50.0	58.10		ug/Kg		116	76 - 130
Chloromethane	50.0	48.03		ug/Kg		96	23 - 150
cis-1,2-Dichloroethene	50.0	52.60		ug/Kg		105	75 - 125
cis-1,3-Dichloropropene	50.0	48.25		ug/Kg		97	73 - 148
Dibromomethane	50.0	57.04		ug/Kg		114	71 - 130
Dichlorodifluoromethane	50.0	51.94		ug/Kg		104	12 - 144
Ethylbenzene	50.0	55.69		ug/Kg		111	80 - 134
Hexachlorobutadiene	50.0	47.29		ug/Kg		95	65 - 148
Isopropylbenzene	50.0	55.47		ug/Kg		111	80 - 150
Methyl tert-butyl ether	50.0	48.98		ug/Kg		98	70 - 136
Methylene Chloride	50.0	61.22		ug/Kg		122	68 - 144
Naphthalene	50.0	45.02		ug/Kg		90	69 - 150
n-Butylbenzene	50.0	49.92		ug/Kg		100	72 - 152
N-Propylbenzene	50.0	51.57		ug/Kg		103	75 - 137

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

Lab Sample ID: LCS 490-69464/3
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	50.0	44.11		ug/Kg		88	77 - 141
sec-Butylbenzene	50.0	52.05		ug/Kg		104	79 - 141
Styrene	50.0	54.83		ug/Kg		110	82 - 137
tert-Butylbenzene	50.0	44.58		ug/Kg		89	80 - 132
Tetrachloroethene	50.0	55.98		ug/Kg		112	78 - 140
Toluene	50.0	51.51		ug/Kg		103	80 - 132
trans-1,2-Dichloroethene	50.0	55.94		ug/Kg		112	76 - 128
trans-1,3-Dichloropropene	50.0	47.24		ug/Kg		94	62 - 139
Trichloroethene	50.0	53.65		ug/Kg		107	77 - 127
Trichlorofluoromethane	50.0	56.37		ug/Kg		113	50 - 140
Vinyl chloride	50.0	56.66		ug/Kg		113	47 - 136
Xylenes, Total	150	164.3		ug/Kg		110	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 490-69464/4
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	52.53		ug/Kg		105	80 - 136	0	50
1,1,1-Trichloroethane	50.0	60.34		ug/Kg		121	72 - 140	9	50
1,1,2,2-Tetrachloroethane	50.0	49.98		ug/Kg		100	66 - 134	5	50
1,1,2-Trichloroethane	50.0	50.39		ug/Kg		101	78 - 128	8	50
1,1-Dichloroethane	50.0	61.73		ug/Kg		123	75 - 124	5	50
1,1-Dichloroethene	50.0	64.71		ug/Kg		129	75 - 131	6	50
1,1-Dichloropropene	50.0	55.19		ug/Kg		110	79 - 127	14	50
1,2,3-Trichlorobenzene	50.0	54.43		ug/Kg		109	70 - 150	2	50
1,2,3-Trichloropropane	50.0	49.95		ug/Kg		100	65 - 139	2	50
1,2,4-Trichlorobenzene	50.0	54.67		ug/Kg		109	62 - 150	6	50
1,2,4-Trimethylbenzene	50.0	53.53		ug/Kg		107	77 - 139	13	50
1,2-Dibromo-3-Chloropropane	50.0	49.24		ug/Kg		98	49 - 142	12	50
1,2-Dibromoethane (EDB)	50.0	52.94		ug/Kg		106	80 - 135	0	50
1,2-Dichlorobenzene	50.0	57.01		ug/Kg		114	80 - 134	3	50
1,2-Dichloroethane	50.0	52.06		ug/Kg		104	65 - 134	1	50
1,2-Dichloropropane	50.0	50.96		ug/Kg		102	69 - 120	46	50
1,3,5-Trimethylbenzene	50.0	49.81		ug/Kg		100	78 - 138	12	50
1,3-Dichlorobenzene	50.0	58.09		ug/Kg		116	79 - 137	9	50
1,3-Dichloropropane	50.0	49.32		ug/Kg		99	78 - 126	4	42
1,4-Dichlorobenzene	50.0	58.96		ug/Kg		118	77 - 139	7	50
2,2-Dichloropropane	50.0	58.11		ug/Kg		116	68 - 145	8	50
2-Butanone (MEK)	250	219.1		ug/Kg		88	61 - 132	8	50
2-Chlorotoluene	50.0	55.92		ug/Kg		112	78 - 132	10	50
2-Hexanone	250	218.2		ug/Kg		87	57 - 148	11	50

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

Lab Sample ID: LCSD 490-69464/4
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorotoluene			50.0	57.49		ug/Kg		115	77 - 138	8	50
4-Methyl-2-pentanone (MIBK)			250	224.2		ug/Kg		90	59 - 138	10	50
Acetone			250	204.5		ug/Kg		82	51 - 149	22	50
Benzene			50.0	58.57		ug/Kg		117	75 - 127	6	50
Bromobenzene			50.0	48.94		ug/Kg		98	75 - 130	5	50
Bromochloromethane			50.0	57.85		ug/Kg		116	70 - 132	4	50
Bromodichloromethane			50.0	58.68		ug/Kg		117	68 - 135	4	50
Bromoform			50.0	49.24		ug/Kg		98	36 - 150	10	50
Bromomethane			50.0	47.68		ug/Kg		95	43 - 142	1	50
Carbon disulfide			50.0	58.34		ug/Kg		117	74 - 135	5	50
Carbon tetrachloride			50.0	59.06		ug/Kg		118	70 - 141	12	50
Chlorobenzene			50.0	60.80		ug/Kg		122	84 - 125	7	50
Chlorodibromomethane			50.0	51.37		ug/Kg		103	66 - 134	4	50
Chloroethane			50.0	60.07		ug/Kg		120	53 - 144	6	50
Chloroform			50.0	61.00		ug/Kg		122	76 - 130	5	49
Chloromethane			50.0	47.70		ug/Kg		95	23 - 150	1	50
cis-1,2-Dichloroethene			50.0	56.70		ug/Kg		113	75 - 125	8	50
cis-1,3-Dichloropropene			50.0	48.65		ug/Kg		97	73 - 148	1	50
Dibromomethane			50.0	54.19		ug/Kg		108	71 - 130	5	50
Dichlorodifluoromethane			50.0	57.43		ug/Kg		115	12 - 144	10	50
Ethylbenzene			50.0	60.95		ug/Kg		122	80 - 134	9	50
Hexachlorobutadiene			50.0	55.35		ug/Kg		111	65 - 148	16	50
Isopropylbenzene			50.0	62.79		ug/Kg		126	80 - 150	12	50
Methyl tert-butyl ether			50.0	49.99		ug/Kg		100	70 - 136	2	50
Methylene Chloride			50.0	58.36		ug/Kg		117	68 - 144	5	50
Naphthalene			50.0	44.60		ug/Kg		89	69 - 150	1	50
n-Butylbenzene			50.0	59.84		ug/Kg		120	72 - 152	18	50
N-Propylbenzene			50.0	58.18		ug/Kg		116	75 - 137	12	50
p-Isopropyltoluene			50.0	52.40		ug/Kg		105	77 - 141	17	50
sec-Butylbenzene			50.0	61.66		ug/Kg		123	79 - 141	17	50
Styrene			50.0	56.86		ug/Kg		114	82 - 137	4	50
tert-Butylbenzene			50.0	51.34		ug/Kg		103	80 - 132	14	50
Tetrachloroethene			50.0	65.17		ug/Kg		130	78 - 140	15	50
Toluene			50.0	58.30		ug/Kg		117	80 - 132	12	50
trans-1,2-Dichloroethene			50.0	60.24		ug/Kg		120	76 - 128	7	50
trans-1,3-Dichloropropene			50.0	46.31		ug/Kg		93	62 - 139	2	50
Trichloroethene			50.0	57.11		ug/Kg		114	77 - 127	6	50
Trichlorofluoromethane			50.0	63.04		ug/Kg		126	50 - 140	11	50
Vinyl chloride			50.0	59.54		ug/Kg		119	47 - 136	5	50
Xylenes, Total			150	179.0		ug/Kg		119	80 - 137	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

GC/MS VOA

Prep Batch: 67971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22732-1	MW-7 (5-10)	Total/NA	Soil	5035	
490-22732-2	MW-7 (10-15)	Total/NA	Soil	5035	
490-22732-3	MW-7 (15-20)	Total/NA	Soil	5035	
490-22732-4	MW-7 (20-25)	Total/NA	Soil	5035	
490-22732-5	MW-7 (25-30)	Total/NA	Soil	5035	
490-22732-6	MW-7 (30-35)	Total/NA	Soil	5035	
490-22732-7	MW-7 (35-40)	Total/NA	Soil	5035	
490-22732-8	MW-7 (40-45)	Total/NA	Soil	5035	
490-22732-9	MW-7 (45-50)	Total/NA	Soil	5035	
490-22732-10	MW-7 (50-55)	Total/NA	Soil	5035	
490-22732-11	TRIP BLANK	Total/NA	Soil	5035	

Prep Batch: 69041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23072-A-6-D MS	Matrix Spike	Total/NA	Solid	5035	
490-23072-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 69193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22732-1	MW-7 (5-10)	Total/NA	Soil	8260B	67971
490-22732-2	MW-7 (10-15)	Total/NA	Soil	8260B	67971
490-22732-3	MW-7 (15-20)	Total/NA	Soil	8260B	67971
490-22732-4	MW-7 (20-25)	Total/NA	Soil	8260B	67971
490-22732-5	MW-7 (25-30)	Total/NA	Soil	8260B	67971
490-22732-6	MW-7 (30-35)	Total/NA	Soil	8260B	67971
490-22732-7	MW-7 (35-40)	Total/NA	Soil	8260B	67971
490-22732-8	MW-7 (40-45)	Total/NA	Soil	8260B	67971
490-22732-9	MW-7 (45-50)	Total/NA	Soil	8260B	67971
490-22732-10	MW-7 (50-55)	Total/NA	Soil	8260B	67971
490-23072-A-6-D MS	Matrix Spike	Total/NA	Solid	8260B	69041
490-23072-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	69041
LCS 490-69193/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 490-69193/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 69464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22732-11	TRIP BLANK	Total/NA	Soil	8260B	67971
LCS 490-69464/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-69464/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-69464/7	Method Blank	Total/NA	Solid	8260B	

Client Sample ID: MW-7 (5-10)

Lab Sample ID: 490-22732-1

Date Collected: 03/22/13 08:00

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 16:20	MH	TAL NSH

Client Sample ID: MW-7 (10-15)

Lab Sample ID: 490-22732-2

Date Collected: 03/22/13 08:10

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 16:49	MH	TAL NSH

Client Sample ID: MW-7 (15-20)

Lab Sample ID: 490-22732-3

Date Collected: 03/22/13 08:15

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 17:19	MH	TAL NSH

Client Sample ID: MW-7 (20-25)

Lab Sample ID: 490-22732-4

Date Collected: 03/22/13 08:25

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 17:49	MH	TAL NSH

Client Sample ID: MW-7 (25-30)

Lab Sample ID: 490-22732-5

Date Collected: 03/22/13 08:32

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 18:19	MH	TAL NSH

Client Sample ID: MW-7 (30-35)

Lab Sample ID: 490-22732-6

Date Collected: 03/22/13 08:45

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 18:49	MH	TAL NSH

Client Sample ID: MW-7 (35-40)

Lab Sample ID: 490-22732-7

Date Collected: 03/22/13 09:15
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 19:19	MH	TAL NSH

Client Sample ID: MW-7 (40-45)

Lab Sample ID: 490-22732-8

Date Collected: 03/22/13 09:30
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 19:49	MH	TAL NSH

Client Sample ID: MW-7 (45-50)

Lab Sample ID: 490-22732-9

Date Collected: 03/22/13 09:50
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 20:18	MH	TAL NSH

Client Sample ID: MW-7 (50-55)

Lab Sample ID: 490-22732-10

Date Collected: 03/22/13 10:00
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 20:48	MH	TAL NSH

Client Sample ID: TRIP BLANK

Lab Sample ID: 490-22732-11

Date Collected: 03/22/13 00:01
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69464	04/02/13 13:59	MH	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,1,1,2-Tetrachloroethane
8260B		Solid	1,1,1-Trichloroethane
8260B		Solid	1,1,2,2-Tetrachloroethane
8260B		Solid	1,1,2-Trichloroethane
8260B		Solid	1,1-Dichloroethane
8260B		Solid	1,1-Dichloroethene
8260B		Solid	1,1-Dichloropropene
8260B		Solid	1,2,3-Trichlorobenzene
8260B		Solid	1,2,3-Trichloropropane
8260B		Solid	1,2,4-Trichlorobenzene
8260B		Solid	1,2,4-Trimethylbenzene
8260B		Solid	1,2-Dibromo-3-Chloropropane
8260B		Solid	1,2-Dibromoethane (EDB)
8260B		Solid	1,2-Dichlorobenzene
8260B		Solid	1,2-Dichloroethane
8260B		Solid	1,2-Dichloropropane
8260B		Solid	1,3,5-Trimethylbenzene
8260B		Solid	1,3-Dichlorobenzene
8260B		Solid	1,3-Dichloropropane
8260B		Solid	1,4-Dichlorobenzene
8260B		Solid	2,2-Dichloropropane
8260B		Solid	2-Butanone (MEK)
8260B		Solid	2-Chlorotoluene
8260B		Solid	2-Hexanone
8260B		Solid	4-Chlorotoluene
8260B		Solid	4-Methyl-2-pentanone (MIBK)
8260B		Solid	Acetone
8260B		Solid	Benzene
8260B		Solid	Bromobenzene
8260B		Solid	Bromochloromethane
8260B		Solid	Bromodichloromethane
8260B		Solid	Bromoform
8260B		Solid	Bromomethane
8260B		Solid	Carbon disulfide
8260B		Solid	Carbon tetrachloride
8260B		Solid	Chlorobenzene
8260B		Solid	Chlorodibromomethane
8260B		Solid	Chloroethane
8260B		Solid	Chloroform
8260B		Solid	Chloromethane
8260B		Solid	cis-1,2-Dichloroethene
8260B		Solid	cis-1,3-Dichloropropene
8260B		Solid	Dibromomethane
8260B		Solid	Dichlorodifluoromethane
8260B		Solid	Ethylbenzene
8260B		Solid	Methyl tert-butyl ether
8260B		Solid	Methylene Chloride
8260B		Solid	Naphthalene

Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	n-Butylbenzene
8260B		Solid	N-Propylbenzene
8260B		Solid	p-Isopropyltoluene
8260B		Solid	sec-Butylbenzene
8260B		Solid	Styrene
8260B		Solid	tert-Butylbenzene
8260B		Solid	Tetrachloroethene
8260B		Solid	Toluene
8260B		Solid	trans-1,2-Dichloroethene
8260B		Solid	trans-1,3-Dichloropropene
8260B		Solid	Trichloroethene
8260B		Solid	Trichlorofluoromethane
8260B		Solid	Vinyl chloride
8260B		Solid	Xylenes, Total
8260B	5035	Soil	1,1,1,2-Tetrachloroethane
8260B	5035	Soil	1,1,1-Trichloroethane
8260B	5035	Soil	1,1,2,2-Tetrachloroethane
8260B	5035	Soil	1,1,2-Trichloroethane
8260B	5035	Soil	1,1-Dichloroethane
8260B	5035	Soil	1,1-Dichloroethene
8260B	5035	Soil	1,1-Dichloropropene
8260B	5035	Soil	1,2,3-Trichlorobenzene
8260B	5035	Soil	1,2,3-Trichloropropane
8260B	5035	Soil	1,2,4-Trichlorobenzene
8260B	5035	Soil	1,2,4-Trimethylbenzene
8260B	5035	Soil	1,2-Dibromo-3-Chloropropane
8260B	5035	Soil	1,2-Dibromoethane (EDB)
8260B	5035	Soil	1,2-Dichlorobenzene
8260B	5035	Soil	1,2-Dichloroethane
8260B	5035	Soil	1,2-Dichloropropane
8260B	5035	Soil	1,3,5-Trimethylbenzene
8260B	5035	Soil	1,3-Dichlorobenzene
8260B	5035	Soil	1,3-Dichloropropane
8260B	5035	Soil	1,4-Dichlorobenzene
8260B	5035	Soil	2,2-Dichloropropane
8260B	5035	Soil	2-Butanone (MEK)
8260B	5035	Soil	2-Chlorotoluene
8260B	5035	Soil	2-Hexanone
8260B	5035	Soil	4-Chlorotoluene
8260B	5035	Soil	4-Methyl-2-pentanone (MIBK)
8260B	5035	Soil	Acetone
8260B	5035	Soil	Benzene
8260B	5035	Soil	Bromobenzene
8260B	5035	Soil	Bromochloromethane
8260B	5035	Soil	Bromodichloromethane
8260B	5035	Soil	Bromoform
8260B	5035	Soil	Bromomethane
8260B	5035	Soil	Carbon disulfide

Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Soil	Carbon tetrachloride
8260B	5035	Soil	Chlorobenzene
8260B	5035	Soil	Chlorodibromomethane
8260B	5035	Soil	Chloroethane
8260B	5035	Soil	Chloroform
8260B	5035	Soil	Chloromethane
8260B	5035	Soil	cis-1,2-Dichloroethene
8260B	5035	Soil	cis-1,3-Dichloropropene
8260B	5035	Soil	Dibromomethane
8260B	5035	Soil	Dichlorodifluoromethane
8260B	5035	Soil	Ethylbenzene
8260B	5035	Soil	Hexachlorobutadiene
8260B	5035	Soil	Isopropylbenzene
8260B	5035	Soil	Methyl tert-butyl ether
8260B	5035	Soil	Methylene Chloride
8260B	5035	Soil	Naphthalene
8260B	5035	Soil	n-Butylbenzene
8260B	5035	Soil	N-Propylbenzene
8260B	5035	Soil	p-Isopropyltoluene
8260B	5035	Soil	sec-Butylbenzene
8260B	5035	Soil	Styrene
8260B	5035	Soil	tert-Butylbenzene
8260B	5035	Soil	Tetrachloroethene
8260B	5035	Soil	Toluene
8260B	5035	Soil	trans-1,2-Dichloroethene
8260B	5035	Soil	trans-1,3-Dichloropropene
8260B	5035	Soil	Trichloroethene
8260B	5035	Soil	Trichlorofluoromethane
8260B	5035	Soil	Vinyl chloride
8260B	5035	Soil	Xylenes, Total
8260B	5035	Solid	1,1,1,2-Tetrachloroethane
8260B	5035	Solid	1,1,1-Trichloroethane
8260B	5035	Solid	1,1,2,2-Tetrachloroethane
8260B	5035	Solid	1,1,2-Trichloroethane
8260B	5035	Solid	1,1-Dichloroethane
8260B	5035	Solid	1,1-Dichloroethene
8260B	5035	Solid	1,1-Dichloropropene
8260B	5035	Solid	1,2,3-Trichlorobenzene
8260B	5035	Solid	1,2,3-Trichloropropane
8260B	5035	Solid	1,2,4-Trichlorobenzene
8260B	5035	Solid	1,2,4-Trimethylbenzene
8260B	5035	Solid	1,2-Dibromo-3-Chloropropane
8260B	5035	Solid	1,2-Dibromoethane (EDB)
8260B	5035	Solid	1,2-Dichlorobenzene
8260B	5035	Solid	1,2-Dichloroethane
8260B	5035	Solid	1,2-Dichloropropane
8260B	5035	Solid	1,3,5-Trimethylbenzene
8260B	5035	Solid	1,3-Dichlorobenzene

Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropane
8260B	5035	Solid	1,4-Dichlorobenzene
8260B	5035	Solid	2,2-Dichloropropane
8260B	5035	Solid	2-Butanone (MEK)
8260B	5035	Solid	2-Chlorotoluene
8260B	5035	Solid	2-Hexanone
8260B	5035	Solid	4-Chlorotoluene
8260B	5035	Solid	4-Methyl-2-pentanone (MIBK)
8260B	5035	Solid	Acetone
8260B	5035	Solid	Benzene
8260B	5035	Solid	Bromobenzene
8260B	5035	Solid	Bromochloromethane
8260B	5035	Solid	Bromodichloromethane
8260B	5035	Solid	Bromoform
8260B	5035	Solid	Bromomethane
8260B	5035	Solid	Carbon disulfide
8260B	5035	Solid	Carbon tetrachloride
8260B	5035	Solid	Chlorobenzene
8260B	5035	Solid	Chlorodibromomethane
8260B	5035	Solid	Chloroethane
8260B	5035	Solid	Chloroform
8260B	5035	Solid	Chloromethane
8260B	5035	Solid	cis-1,2-Dichloroethene
8260B	5035	Solid	cis-1,3-Dichloropropene
8260B	5035	Solid	Dibromomethane
8260B	5035	Solid	Dichlorodifluoromethane
8260B	5035	Solid	Ethylbenzene
8260B	5035	Solid	Hexachlorobutadiene
8260B	5035	Solid	Isopropylbenzene
8260B	5035	Solid	Methyl tert-butyl ether
8260B	5035	Solid	Methylene Chloride
8260B	5035	Solid	Naphthalene
8260B	5035	Solid	n-Butylbenzene
8260B	5035	Solid	N-Propylbenzene
8260B	5035	Solid	p-Isopropyltoluene
8260B	5035	Solid	sec-Butylbenzene
8260B	5035	Solid	Styrene
8260B	5035	Solid	tert-Butylbenzene
8260B	5035	Solid	Tetrachloroethene
8260B	5035	Solid	Toluene
8260B	5035	Solid	trans-1,2-Dichloroethene
8260B	5035	Solid	trans-1,3-Dichloropropene
8260B	5035	Solid	Trichloroethene
8260B	5035	Solid	Trichlorofluoromethane
8260B	5035	Solid	Vinyl chloride
8260B	5035	Solid	Xylenes, Total

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

490-22732 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 3/26/2013 @ 0830

1. Tracking # 8550 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: (1) Front

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) MW

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used MW 3.26.13 YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MW

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MW

I certify that I attached a label with the unique LIMS number to each container (intial) MW

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO #_____

BIS = Broken in shipment

TestAmerica Nashville
Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica THE LEADER IN ENVIRO

Loc: 490
22732

4/9/2013

Client Information	Sampler: Michael F. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 914 694 5711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 1
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days):			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-7 (5-10)	3/22/13	0800	G	S			X		-1
MW-7 (10-15)		0810							2
MW-7 (15-20)		0815							3
MW-7 (20-25)		0825							4
MW-7 (25-30)		0832							5
MW-7 (30-35)		0845							6
MW-7 (35-40)		0915							7
MW-7 (40-45)		0930							8
MW-7 (45-50)		0950							9
MW-7 (50-55)	↓	1000	↓	↓					10
TRIP BLANK	—	—	—						11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/25/13 1700	C36, INC.	[signature]	3-26-13 @ 0830	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.9c

Login Sample Receipt Checklist

Client: Leggette, Brashears & Graham, Inc.

Job Number: 490-22732-1
SDG Number: 202-06 Hillside Avenue, Hollis, NY

Login Number: 22732
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-22586-1
TestAmerica SDG: 202-06 Hillside Avenue, Hollis, NY
Client Project/Site: CFI Hollis 70263 / V2114

For:
Leggette, Brashears & Graham, Inc.
110 Corporate Park Drive, Suite 112
White Plains, New York 10604

Attn: Jorma Weber

Sherry M Salomon

Authorized for release by:
4/4/2013 3:50:06 PM

Sherry Salomon
Project Mgmt. Assistant
sherry.salomon@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 30
QC Association 46
Chronicle 48
Method Summary 51
Certification Summary 52
Chain of Custody 53
Receipt Checklists 55

Sample Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-22586-1	MW-8 (5-7)	Solid	03/21/13 08:30	03/23/13 08:00
490-22586-2	MW-8 (20-22)	Solid	03/21/13 09:10	03/23/13 08:00
490-22586-3	MW-8 (25-27)	Solid	03/21/13 09:25	03/23/13 08:00
490-22586-4	MW-8 (30-32)	Solid	03/21/13 09:37	03/23/13 08:00
490-22586-5	MW-8 (35-37)	Solid	03/21/13 09:53	03/23/13 08:00
490-22586-6	MW-8 (40-42)	Solid	03/21/13 10:30	03/23/13 08:00
490-22586-7	MW-8 (45-47)	Solid	03/21/13 10:50	03/23/13 08:00
490-22586-8	MW-8 (50-52)	Solid	03/21/13 11:10	03/23/13 08:00
490-22586-9	MW-8 (55-57)	Solid	03/21/13 12:20	03/23/13 08:00
490-22586-10	MW-8 (60-62)	Solid	03/21/13 12:30	03/23/13 08:00
490-22586-11	MW-8 (65-67)	Solid	03/21/13 13:15	03/23/13 08:00
490-22586-12	Trip Blank	Solid	03/21/13 00:01	03/23/13 08:00

Job ID: 490-22586-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-22586-1

Comments
No additional comments.

Receipt
The samples were received on 3/22/2013 at 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method(s) 8260B: The following samples were diluted due to the natures of the sample matrices: MW-8 (30-32) (490-22586-4), MW-8 (40-42) (490-22586-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Insufficient sample volumes were available to perform matrix spikes/matrix spike duplicates (MS/MSD) associated with analysis batches 68361, 68718 and 68917.

Method(s) 8260B: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analysis batch 68917 exceeded control limits for the several analytes. These analytes were biased high in the LCS/LCSD and were not detected and/or not reported from this batch for the associated samples; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) associated with analysis batch 68917 recovered above the upper control limit for several analytes. The affected analytes were either not detected or not reported from this batch for the samples associated with this CCV; therefore, the data have been reported.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

The laboratory is only responsible for the certified testing and is not responsible for the sample integrity prior to laboratory receipt.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.
*	RPD of the LCS and LCSD exceeds the control limits

Glossary

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

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (5-7)
Date Collected: 03/21/13 08:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1,1-Trichloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1,2,2-Tetrachloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1,2-Trichloroethane	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1-Dichloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1-Dichloroethene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1-Dichloropropene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2,3-Trichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2,3-Trichloropropane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2,4-Trichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2,4-Trimethylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dibromo-3-Chloropropane	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dibromoethane (EDB)	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dichloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dichloropropane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,3,5-Trimethylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,3-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,3-Dichloropropane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,4-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
2,2-Dichloropropane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
2-Butanone (MEK)	ND		38.4		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
2-Chlorotoluene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
2-Hexanone	ND		38.4		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
4-Chlorotoluene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		38.4		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Acetone	ND		38.4		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Benzene	**1.90**		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromochloromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromodichloromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromoform	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromomethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Carbon disulfide	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Carbon tetrachloride	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chlorodibromomethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chloroethane	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chloroform	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chloromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
cis-1,2-Dichloroethene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
cis-1,3-Dichloropropene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Dibromomethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Dichlorodifluoromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Ethylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Hexachlorobutadiene	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Isopropylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Methyl tert-butyl ether	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Methylene Chloride	ND		7.68		ug/Kg		03/23/13 20:21	03/28/13 13:36	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (5-7)
Date Collected: 03/21/13 08:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
n-Butylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
N-Propylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
p-Isopropyltoluene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
sec-Butylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Styrene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
tert-Butylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Tetrachloroethene	**4.03**		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Toluene	**3.18**		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
trans-1,2-Dichloroethene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
trans-1,3-Dichloropropene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Trichloroethene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Trichlorofluoromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Vinyl chloride	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Xylenes, Total	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:36*	*1*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:36*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:36*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:36*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (20-22)
Date Collected: 03/21/13 09:10
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1,1-Trichloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1,2,2-Tetrachloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1,2-Trichloroethane	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1-Dichloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1-Dichloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1-Dichloropropene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2,3-Trichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2,3-Trichloropropane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2,4-Trichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2,4-Trimethylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dibromo-3-Chloropropane	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dibromoethane (EDB)	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dichloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dichloropropane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,3,5-Trimethylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,3-Dichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,3-Dichloropropane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,4-Dichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
2,2-Dichloropropane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
2-Butanone (MEK)	ND		47.3		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
2-Chlorotoluene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
2-Hexanone	ND		47.3		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
4-Chlorotoluene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
4-Methyl-2-pentanone (MIBK)	ND		47.3		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Acetone	ND		47.3		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Benzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromochloromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromodichloromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromoform	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromomethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Carbon disulfide	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Carbon tetrachloride	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chlorodibromomethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chloroethane	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chloroform	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chloromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
cis-1,2-Dichloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
cis-1,3-Dichloropropene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Dibromomethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Dichlorodifluoromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Ethylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Hexachlorobutadiene	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Isopropylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Methyl tert-butyl ether	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Methylene Chloride	ND		9.46		ug/Kg		03/23/13 20:21	03/28/13 14:07	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (20-22)
Date Collected: 03/21/13 09:10
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
n-Butylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
N-Propylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
p-Isopropyltoluene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
sec-Butylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Styrene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
tert-Butylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Tetrachloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Toluene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
trans-1,2-Dichloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
trans-1,3-Dichloropropene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Trichloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Trichlorofluoromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Vinyl chloride	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Xylenes, Total	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:07*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:07*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:07*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:07*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (25-27)
Date Collected: 03/21/13 09:25
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1,1-Trichloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1,2,2-Tetrachloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1,2-Trichloroethane	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1-Dichloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1-Dichloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1-Dichloropropene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2,3-Trichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2,3-Trichloropropane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2,4-Trichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2,4-Trimethylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dibromo-3-Chloropropane	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dibromoethane (EDB)	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dichloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dichloropropane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,3,5-Trimethylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,3-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,3-Dichloropropane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,4-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
2,2-Dichloropropane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
2-Butanone (MEK)	ND		46.7		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
2-Chlorotoluene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
2-Hexanone	ND		46.7		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
4-Chlorotoluene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		46.7		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Acetone	ND		46.7		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Benzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromochloromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromodichloromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromoform	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromomethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Carbon disulfide	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Carbon tetrachloride	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chlorodibromomethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chloroethane	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chloroform	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chloromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
cis-1,2-Dichloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
cis-1,3-Dichloropropene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Dibromomethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Dichlorodifluoromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Ethylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Hexachlorobutadiene	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Isopropylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Methyl tert-butyl ether	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Methylene Chloride	ND		9.33		ug/Kg		03/23/13 20:21	03/29/13 13:46	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (25-27)
Date Collected: 03/21/13 09:25
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
n-Butylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
N-Propylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
p-Isopropyltoluene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
sec-Butylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Styrene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
tert-Butylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Tetrachloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Toluene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
trans-1,2-Dichloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
trans-1,3-Dichloropropene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Trichloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Trichlorofluoromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Vinyl chloride	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Xylenes, Total	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*03/23/13 20:21*	*03/29/13 13:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/23/13 20:21*	*03/29/13 13:46*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*03/23/13 20:21*	*03/29/13 13:46*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 20:21*	*03/29/13 13:46*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (30-32)
Date Collected: 03/21/13 09:37
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1,1-Trichloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1,2,2-Tetrachloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1,2-Trichloroethane	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1-Dichloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1-Dichloroethene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1-Dichloropropene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2,3-Trichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2,3-Trichloropropane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2,4-Trichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2,4-Trimethylbenzene	**96700**		1970		ug/Kg		03/23/13 20:19	03/28/13 19:51	20
1,2-Dibromo-3-Chloropropane	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2-Dibromoethane (EDB)	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2-Dichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2-Dichloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2-Dichloropropane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,3,5-Trimethylbenzene	**27900**		1970		ug/Kg		03/23/13 20:19	03/28/13 19:51	20
1,3-Dichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,3-Dichloropropane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,4-Dichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
2,2-Dichloropropane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
2-Butanone (MEK)	ND		2460		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
2-Chlorotoluene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
2-Hexanone	ND		2460		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
4-Chlorotoluene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
4-Methyl-2-pentanone (MIBK)	ND		2460		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Acetone	ND		2460		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Benzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromochloromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromodichloromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromoform	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromomethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Carbon disulfide	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Carbon tetrachloride	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chlorodibromomethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chloroethane	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chloroform	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chloromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
cis-1,2-Dichloroethene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
cis-1,3-Dichloropropene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Dibromomethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Dichlorodifluoromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Ethylbenzene	**3240**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Hexachlorobutadiene	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Isopropylbenzene	**1180**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Methyl tert-butyl ether	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Methylene Chloride	ND		493		ug/Kg		03/23/13 20:19	03/28/13 19:20	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (30-32)
Date Collected: 03/21/13 09:37
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**54300**		4930		ug/Kg		03/23/13 20:19	03/28/13 19:51	20
n-Butylbenzene	**18200**		1970		ug/Kg		03/23/13 20:19	03/28/13 19:51	20
N-Propylbenzene	**6630**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
p-Isopropyltoluene	**1540**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
sec-Butylbenzene	**1400**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Styrene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
tert-Butylbenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Tetrachloroethene	**187**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Toluene	**387**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
trans-1,2-Dichloroethene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
trans-1,3-Dichloropropene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Trichloroethene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Trichlorofluoromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Vinyl chloride	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Xylenes, Total	**41300**		4930		ug/Kg		03/23/13 20:19	03/28/13 19:51	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:51*	*20*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:20*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:51*	*20*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:20*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:51*	*20*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:20*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:51*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (35-37)
Date Collected: 03/21/13 09:53
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1,1-Trichloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1,2,2-Tetrachloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1,2-Trichloroethane	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1-Dichloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1-Dichloroethene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1-Dichloropropene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2,3-Trichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2,3-Trichloropropane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2,4-Trichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2,4-Trimethylbenzene	**7000**		76.2		ug/Kg		03/23/13 20:19	03/30/13 01:59	1
1,2-Dibromo-3-Chloropropane	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2-Dibromoethane (EDB)	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2-Dichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2-Dichloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2-Dichloropropane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,3,5-Trimethylbenzene	**1870**		76.2		ug/Kg		03/23/13 20:19	03/30/13 01:59	1
1,3-Dichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,3-Dichloropropane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,4-Dichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
2,2-Dichloropropane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
2-Butanone (MEK)	ND		40.4		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
2-Chlorotoluene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
2-Hexanone	ND		40.4		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
4-Chlorotoluene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
4-Methyl-2-pentanone (MIBK)	ND		40.4		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Acetone	**71.2**		40.4		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Benzene	**2.84**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromochloromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromodichloromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromoform	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromomethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Carbon disulfide	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Carbon tetrachloride	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chlorodibromomethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chloroethane	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chloroform	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chloromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
cis-1,2-Dichloroethene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
cis-1,3-Dichloropropene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Dibromomethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Dichlorodifluoromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Ethylbenzene	**87.4**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Hexachlorobutadiene	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Isopropylbenzene	**22.3**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Methyl tert-butyl ether	**4.13**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Methylene Chloride	ND		8.09		ug/Kg		03/23/13 20:21	03/28/13 15:10	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (35-37)
Date Collected: 03/21/13 09:53
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**3340**		191		ug/Kg		03/23/13 20:19	03/30/13 01:59	1
n-Butylbenzene	**1110**		76.2		ug/Kg		03/23/13 20:19	03/30/13 01:59	1
N-Propylbenzene	**126**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
p-Isopropyltoluene	**15.9**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
sec-Butylbenzene	**18.0**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Styrene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
tert-Butylbenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Tetrachloroethene	**7.60**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Toluene	**24.1**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
trans-1,2-Dichloroethene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
trans-1,3-Dichloropropene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Trichloroethene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Trichlorofluoromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Vinyl chloride	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Xylenes, Total	**3570**		191		ug/Kg		03/23/13 20:19	03/30/13 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 20:19*	*03/30/13 01:59*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:10*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*03/23/13 20:19*	*03/30/13 01:59*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:10*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*03/23/13 20:19*	*03/30/13 01:59*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:10*	*1*
Toluene-d8 (Surr)	*88*		*70 - 130*	*03/23/13 20:19*	*03/30/13 01:59*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (40-42)
Date Collected: 03/21/13 10:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-6
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1,1-Trichloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1,2,2-Tetrachloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1,2-Trichloroethane	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1-Dichloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1-Dichloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1-Dichloropropene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2,3-Trichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2,3-Trichloropropane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2,4-Trichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2,4-Trimethylbenzene	**103000**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
1,2-Dibromo-3-Chloropropane	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2-Dibromoethane (EDB)	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2-Dichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2-Dichloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2-Dichloropropane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,3,5-Trimethylbenzene	**29500**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
1,3-Dichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,3-Dichloropropane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,4-Dichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
2,2-Dichloropropane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
2-Butanone (MEK)	ND		2290		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
2-Chlorotoluene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
2-Hexanone	ND		2290		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
4-Chlorotoluene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
4-Methyl-2-pentanone (MIBK)	ND		2290		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Acetone	ND		2290		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Benzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromochloromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromodichloromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromoform	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromomethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Carbon disulfide	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Carbon tetrachloride	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chlorodibromomethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chloroethane	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chloroform	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chloromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
cis-1,2-Dichloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
cis-1,3-Dichloropropene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Dibromomethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Dichlorodifluoromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Ethylbenzene	**8680**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
Hexachlorobutadiene	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Isopropylbenzene	**2110**		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Methyl tert-butyl ether	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Methylene Chloride	ND		457		ug/Kg		03/23/13 20:19	03/28/13 18:18	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (40-42)
Date Collected: 03/21/13 10:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**40200**		4570		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
n-Butylbenzene	**15400**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
N-Propylbenzene	**10700**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
p-Isopropyltoluene	**1270**		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
sec-Butylbenzene	**1800**		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Styrene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
tert-Butylbenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Tetrachloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Toluene	**404**		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
trans-1,2-Dichloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
trans-1,3-Dichloropropene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Trichloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Trichlorofluoromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Vinyl chloride	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Xylenes, Total	**54600**		4570		ug/Kg		03/23/13 20:19	03/28/13 18:49	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:49*	*20*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:18*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:49*	*20*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:18*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:49*	*20*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:18*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:49*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (45-47)
Date Collected: 03/21/13 10:50
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1,1-Trichloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1,2,2-Tetrachloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1,2-Trichloroethane	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1-Dichloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1-Dichloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1-Dichloropropene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2,3-Trichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2,3-Trichloropropane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2,4-Trichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2,4-Trimethylbenzene	**46100**		1810		ug/Kg		03/23/13 20:19	03/30/13 04:02	20
1,2-Dibromo-3-Chloropropane	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2-Dibromoethane (EDB)	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2-Dichloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2-Dichloropropane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,3,5-Trimethylbenzene	**12800**		1810		ug/Kg		03/23/13 20:19	03/30/13 04:02	20
1,3-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,3-Dichloropropane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,4-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
2,2-Dichloropropane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
2-Butanone (MEK)	ND		44.9		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
2-Chlorotoluene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
2-Hexanone	ND		44.9		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
4-Chlorotoluene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
4-Methyl-2-pentanone (MIBK)	ND		44.9		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Acetone	ND		44.9		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Benzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromochloromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromodichloromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromoform	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromomethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Carbon disulfide	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Carbon tetrachloride	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chlorodibromomethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chloroethane	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chloroform	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chloromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
cis-1,2-Dichloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
cis-1,3-Dichloropropene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Dibromomethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Dichlorodifluoromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Ethylbenzene	**4100**		90.4		ug/Kg		03/23/13 20:19	03/30/13 03:31	1
Hexachlorobutadiene	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Isopropylbenzene	**85.6**		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Methyl tert-butyl ether	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Methylene Chloride	ND		8.98		ug/Kg		03/23/13 20:21	03/28/13 15:41	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (45-47)
Date Collected: 03/21/13 10:50
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**19300**		4520		ug/Kg		03/23/13 20:19	03/30/13 04:02	20
n-Butylbenzene	**6270**		90.4		ug/Kg		03/23/13 20:19	03/30/13 03:31	1
N-Propylbenzene	**4380**		90.4		ug/Kg		03/23/13 20:19	03/30/13 03:31	1
p-Isopropyltoluene	**46.0**		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
sec-Butylbenzene	**61.3**		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Styrene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
tert-Butylbenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Tetrachloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Toluene	**9.50**		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
trans-1,2-Dichloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
trans-1,3-Dichloropropene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Trichloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Trichlorofluoromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Vinyl chloride	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Xylenes, Total	**25000**		226		ug/Kg		03/23/13 20:19	03/30/13 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:02*	*20*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:31*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:02*	*20*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:41*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:31*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:02*	*20*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:41*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:31*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:02*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (50-52)
Date Collected: 03/21/13 11:10
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1,1-Trichloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1,2,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1,2-Trichloroethane	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1-Dichloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1-Dichloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1-Dichloropropene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2,3-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2,3-Trichloropropane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2,4-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2,4-Trimethylbenzene	**7820**		103		ug/Kg		03/23/13 20:19	03/30/13 02:30	1
1,2-Dibromo-3-Chloropropane	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2-Dibromoethane (EDB)	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2-Dichloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2-Dichloropropane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,3,5-Trimethylbenzene	**90.9**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,3-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,3-Dichloropropane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,4-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
2,2-Dichloropropane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
2-Butanone (MEK)	ND		49.5		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
2-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
2-Hexanone	ND		49.5		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
4-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		49.5		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Acetone	ND		49.5		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Benzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromochloromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromodichloromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromoform	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromomethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Carbon disulfide	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Carbon tetrachloride	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chlorodibromomethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chloroethane	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chloroform	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chloromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
cis-1,2-Dichloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
cis-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Dibromomethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Dichlorodifluoromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Ethylbenzene	**19.6**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Hexachlorobutadiene	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Isopropylbenzene	**5.84**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Methyl tert-butyl ether	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Methylene Chloride	ND		9.90		ug/Kg		03/23/13 20:21	03/28/13 16:13	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (50-52)
Date Collected: 03/21/13 11:10
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**2740**		257		ug/Kg		03/23/13 20:19	03/30/13 02:30	1
n-Butylbenzene	**69.8**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
N-Propylbenzene	**26.3**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
p-Isopropyltoluene	**4.66**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
sec-Butylbenzene	**6.68**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Styrene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
tert-Butylbenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Tetrachloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Toluene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
trans-1,2-Dichloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
trans-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Trichloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Trichlorofluoromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Vinyl chloride	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Xylenes, Total	**128**		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*03/23/13 20:19*	*03/30/13 02:30*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:13*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 20:19*	*03/30/13 02:30*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:13*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 20:19*	*03/30/13 02:30*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:13*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 02:30*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (55-57)
Date Collected: 03/21/13 12:20
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-9
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1,1-Trichloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1,2,2-Tetrachloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1,2-Trichloroethane	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1-Dichloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1-Dichloroethene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1-Dichloropropene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2,3-Trichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2,3-Trichloropropane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2,4-Trichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2,4-Trimethylbenzene	**8420**		1810		ug/Kg		03/23/13 20:19	03/30/13 05:03	20
1,2-Dibromo-3-Chloropropane	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2-Dibromoethane (EDB)	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2-Dichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2-Dichloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2-Dichloropropane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,3,5-Trimethylbenzene	**3000**		90.7		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
1,3-Dichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,3-Dichloropropane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,4-Dichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
2,2-Dichloropropane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
2-Butanone (MEK)	ND		43.1		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
2-Chlorotoluene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
2-Hexanone	ND		43.1		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
4-Chlorotoluene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		43.1		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Acetone	ND		43.1		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Benzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromochloromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromodichloromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromoform	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromomethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Carbon disulfide	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Carbon tetrachloride	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chlorodibromomethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chloroethane	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chloroform	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chloromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
cis-1,2-Dichloroethene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
cis-1,3-Dichloropropene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Dibromomethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Dichlorodifluoromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Ethylbenzene	**144**		90.7		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
Hexachlorobutadiene	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Isopropylbenzene	**163**		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Methyl tert-butyl ether	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Methylene Chloride	ND		8.62		ug/Kg		03/23/13 20:21	03/28/13 16:44	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (55-57)
Date Collected: 03/21/13 12:20
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**767**		227		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
n-Butylbenzene	**1230**		90.7		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
N-Propylbenzene	**1080**		90.7		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
p-Isopropyltoluene	**70.4**		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
sec-Butylbenzene	**101**		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Styrene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
tert-Butylbenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Tetrachloroethene	**64.5**		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Toluene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
trans-1,2-Dichloroethene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
trans-1,3-Dichloropropene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Trichloroethene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Trichlorofluoromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Vinyl chloride	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Xylenes, Total	**572**		227		ug/Kg		03/23/13 20:19	03/30/13 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*	*03/23/13 20:19*	*03/30/13 05:03*	*20*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:44*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:33*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/23/13 20:19*	*03/30/13 05:03*	*20*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:44*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:33*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/30/13 05:03*	*20*
Toluene-d8 (Surr)	*111*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:44*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:33*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*03/23/13 20:19*	*03/30/13 05:03*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (60-62)
Date Collected: 03/21/13 12:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1,1-Trichloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1,2-Trichloroethane	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1-Dichloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1-Dichloroethene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1-Dichloropropene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2,3-Trichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2,3-Trichloropropane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2,4-Trichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2,4-Trimethylbenzene	**15.3**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dibromo-3-Chloropropane	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dibromoethane (EDB)	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dichloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dichloropropane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,3,5-Trimethylbenzene	**5.54**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,3-Dichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,3-Dichloropropane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,4-Dichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
2,2-Dichloropropane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
2-Butanone (MEK)	ND		43.9		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
2-Chlorotoluene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
2-Hexanone	ND		43.9		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
4-Chlorotoluene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		43.9		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Acetone	ND		43.9		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Benzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromochloromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromodichloromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromoform	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromomethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Carbon disulfide	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Carbon tetrachloride	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chlorodibromomethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chloroethane	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chloroform	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chloromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
cis-1,2-Dichloroethene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
cis-1,3-Dichloropropene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Dibromomethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Dichlorodifluoromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Ethylbenzene	**1.76**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Hexachlorobutadiene	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Isopropylbenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Methyl tert-butyl ether	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Methylene Chloride	ND		8.77		ug/Kg		03/23/13 20:21	03/28/13 14:39	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (60-62)
Date Collected: 03/21/13 12:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**5.04**		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
n-Butylbenzene	**4.81**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
N-Propylbenzene	**2.01**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
p-Isopropyltoluene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
sec-Butylbenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Styrene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
tert-Butylbenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Tetrachloroethene	**14.1**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Toluene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
trans-1,2-Dichloroethene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
trans-1,3-Dichloropropene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Trichloroethene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Trichlorofluoromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Vinyl chloride	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Xylenes, Total	**8.73**		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:39*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:39*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:39*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:39*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (65-67)
Date Collected: 03/21/13 13:15
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1,1-Trichloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1,2,2-Tetrachloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1,2-Trichloroethane	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1-Dichloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1-Dichloroethene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1-Dichloropropene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2,3-Trichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2,3-Trichloropropane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2,4-Trichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2,4-Trimethylbenzene	**1350**		87.9		ug/Kg		03/23/13 20:19	03/30/13 03:01	1
1,2-Dibromo-3-Chloropropane	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2-Dibromoethane (EDB)	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2-Dichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2-Dichloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2-Dichloropropane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,3,5-Trimethylbenzene	**493**		87.9		ug/Kg		03/23/13 20:19	03/30/13 03:01	1
1,3-Dichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,3-Dichloropropane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,4-Dichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
2,2-Dichloropropane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
2-Butanone (MEK)	ND		43.3		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
2-Chlorotoluene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
2-Hexanone	ND		43.3		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
4-Chlorotoluene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
4-Methyl-2-pentanone (MIBK)	ND		43.3		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Acetone	ND		43.3		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Benzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromochloromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromodichloromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromoform	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromomethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Carbon disulfide	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Carbon tetrachloride	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chlorodibromomethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chloroethane	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chloroform	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chloromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
cis-1,2-Dichloroethene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
cis-1,3-Dichloropropene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Dibromomethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Dichlorodifluoromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Ethylbenzene	**17.5**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Hexachlorobutadiene	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Isopropylbenzene	**20.9**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Methyl tert-butyl ether	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Methylene Chloride	ND		8.65		ug/Kg		03/23/13 20:21	03/28/13 17:15	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (65-67)
Date Collected: 03/21/13 13:15
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**91.4**		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
n-Butylbenzene	**437**		87.9		ug/Kg		03/23/13 20:19	03/30/13 03:01	1
N-Propylbenzene	**117**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
p-Isopropyltoluene	**18.7**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
sec-Butylbenzene	**28.4**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Styrene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
tert-Butylbenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Tetrachloroethene	**56.6**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Toluene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
trans-1,2-Dichloroethene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
trans-1,3-Dichloropropene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Trichloroethene	**3.50**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Trichlorofluoromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Vinyl chloride	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Xylenes, Total	**74.6**		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 20:21*	*03/28/13 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:01*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*03/23/13 20:21*	*03/28/13 17:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:01*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*03/23/13 20:21*	*03/28/13 17:15*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:01*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/23/13 20:21*	*03/28/13 17:15*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:01*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 03/21/13 00:01
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-12
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1-Dichloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1-Dichloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1-Dichloropropene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dichloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dichloropropane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,3-Dichloropropane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
2,2-Dichloropropane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
2-Butanone (MEK)	ND		50.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
2-Chlorotoluene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
2-Hexanone	ND		50.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
4-Chlorotoluene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Acetone	ND		50.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Benzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromochloromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromodichloromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromoform	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromomethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Carbon disulfide	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Carbon tetrachloride	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chlorodibromomethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chloroethane	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chloroform	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chloromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Dibromomethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Dichlorodifluoromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Ethylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Hexachlorobutadiene	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Isopropylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Methyl tert-butyl ether	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Methylene Chloride	ND		10.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 03/21/13 00:01
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
n-Butylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
N-Propylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
p-Isopropyltoluene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
sec-Butylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Styrene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
tert-Butylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Tetrachloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Toluene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Trichloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Trichlorofluoromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Vinyl chloride	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Xylenes, Total	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:05*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:05*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:05*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:05*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/28/13 11:31	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/28/13 11:31	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
2-Hexanone	ND		50.0		ug/Kg			03/28/13 11:31	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/28/13 11:31	1
Acetone	ND		50.0		ug/Kg			03/28/13 11:31	1
Benzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromochloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromodichloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromoform	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Carbon disulfide	ND		5.00		ug/Kg			03/28/13 11:31	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/28/13 11:31	1
Chlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Chloroethane	ND		5.00		ug/Kg			03/28/13 11:31	1
Chloroform	ND		2.00		ug/Kg			03/28/13 11:31	1
Chloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
Dibromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Ethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/28/13 11:31	1
Isopropylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/28/13 11:31	1

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

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		10.0		ug/Kg			03/28/13 11:31	1
Naphthalene	ND		5.00		ug/Kg			03/28/13 11:31	1
n-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
N-Propylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Styrene	ND		2.00		ug/Kg			03/28/13 11:31	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Tetrachloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
Toluene	ND		2.00		ug/Kg			03/28/13 11:31	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
Trichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Vinyl chloride	ND		2.00		ug/Kg			03/28/13 11:31	1
Xylenes, Total	ND		5.00		ug/Kg			03/28/13 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/28/13 11:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*03/28/13 11:31*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/28/13 11:31*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/28/13 11:31*	*1*

Lab Sample ID: MB 490-68361/7
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/28/13 12:03	1
1,1-Dichloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,1-Dichloroethene	ND		100		ug/Kg			03/28/13 12:03	1
1,1-Dichloropropene	ND		100		ug/Kg			03/28/13 12:03	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/28/13 12:03	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/28/13 12:03	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/28/13 12:03	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,2-Dichloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,2-Dichloropropane	ND		100		ug/Kg			03/28/13 12:03	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,3-Dichloropropane	ND		100		ug/Kg			03/28/13 12:03	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1

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

Lab Sample ID: MB 490-68361/7
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		100		ug/Kg			03/28/13 12:03	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/28/13 12:03	1
2-Chlorotoluene	ND		100		ug/Kg			03/28/13 12:03	1
2-Hexanone	ND		2500		ug/Kg			03/28/13 12:03	1
4-Chlorotoluene	ND		100		ug/Kg			03/28/13 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/28/13 12:03	1
Acetone	ND		2500		ug/Kg			03/28/13 12:03	1
Benzene	ND		100		ug/Kg			03/28/13 12:03	1
Bromobenzene	ND		100		ug/Kg			03/28/13 12:03	1
Bromochloromethane	ND		100		ug/Kg			03/28/13 12:03	1
Bromodichloromethane	ND		100		ug/Kg			03/28/13 12:03	1
Bromoform	ND		100		ug/Kg			03/28/13 12:03	1
Bromomethane	ND		100		ug/Kg			03/28/13 12:03	1
Carbon disulfide	ND		250		ug/Kg			03/28/13 12:03	1
Carbon tetrachloride	ND		100		ug/Kg			03/28/13 12:03	1
Chlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
Chlorodibromomethane	ND		100		ug/Kg			03/28/13 12:03	1
Chloroethane	ND		250		ug/Kg			03/28/13 12:03	1
Chloroform	ND		100		ug/Kg			03/28/13 12:03	1
Chloromethane	ND		100		ug/Kg			03/28/13 12:03	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/28/13 12:03	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/28/13 12:03	1
Dibromomethane	ND		100		ug/Kg			03/28/13 12:03	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/28/13 12:03	1
Ethylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
Hexachlorobutadiene	ND		250		ug/Kg			03/28/13 12:03	1
Isopropylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/28/13 12:03	1
Methylene Chloride	ND		500		ug/Kg			03/28/13 12:03	1
Naphthalene	ND		250		ug/Kg			03/28/13 12:03	1
n-Butylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
N-Propylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
p-Isopropyltoluene	ND		100		ug/Kg			03/28/13 12:03	1
sec-Butylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
Styrene	ND		100		ug/Kg			03/28/13 12:03	1
tert-Butylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
Tetrachloroethene	ND		100		ug/Kg			03/28/13 12:03	1
Toluene	ND		100		ug/Kg			03/28/13 12:03	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/28/13 12:03	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/28/13 12:03	1
Trichloroethene	ND		100		ug/Kg			03/28/13 12:03	1
Trichlorofluoromethane	ND		100		ug/Kg			03/28/13 12:03	1
Vinyl chloride	ND		100		ug/Kg			03/28/13 12:03	1
Xylenes, Total	ND		250		ug/Kg			03/28/13 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/28/13 12:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/28/13 12:03*	*1*

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

Lab Sample ID: MB 490-68361/7
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/28/13 12:03*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/28/13 12:03*	*1*

Lab Sample ID: LCS 490-68361/3
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.22		ug/Kg		88	80 - 136
1,1,1-Trichloroethane	50.0	51.64		ug/Kg		103	72 - 140
1,1,2,2-Tetrachloroethane	50.0	42.60		ug/Kg		85	66 - 134
1,1,2-Trichloroethane	50.0	45.35		ug/Kg		91	78 - 128
1,1-Dichloroethane	50.0	49.91		ug/Kg		100	75 - 124
1,1-Dichloroethene	50.0	58.24		ug/Kg		116	75 - 131
1,1-Dichloropropene	50.0	50.75		ug/Kg		101	79 - 127
1,2,3-Trichlorobenzene	50.0	51.83		ug/Kg		104	70 - 150
1,2,3-Trichloropropane	50.0	40.65		ug/Kg		81	65 - 139
1,2,4-Trichlorobenzene	50.0	53.04		ug/Kg		106	62 - 150
1,2,4-Trimethylbenzene	50.0	40.70		ug/Kg		81	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	46.52		ug/Kg		93	49 - 142
1,2-Dibromoethane (EDB)	50.0	48.85		ug/Kg		98	80 - 135
1,2-Dichlorobenzene	50.0	43.58		ug/Kg		87	80 - 134
1,2-Dichloroethane	50.0	51.75		ug/Kg		103	65 - 134
1,2-Dichloropropane	50.0	45.52		ug/Kg		91	69 - 120
1,3,5-Trimethylbenzene	50.0	41.09		ug/Kg		82	78 - 138
1,3-Dichlorobenzene	50.0	43.99		ug/Kg		88	79 - 137
1,3-Dichloropropane	50.0	44.27		ug/Kg		89	78 - 126
1,4-Dichlorobenzene	50.0	43.93		ug/Kg		88	77 - 139
2,2-Dichloropropane	50.0	46.94		ug/Kg		94	68 - 145
2-Butanone (MEK)	250	287.7		ug/Kg		115	61 - 132
2-Chlorotoluene	50.0	39.84		ug/Kg		80	78 - 132
2-Hexanone	250	235.9		ug/Kg		94	57 - 148
4-Chlorotoluene	50.0	41.00		ug/Kg		82	77 - 138
4-Methyl-2-pentanone (MIBK)	250	250.5		ug/Kg		100	59 - 138
Acetone	250	258.7		ug/Kg		103	51 - 149
Benzene	50.0	49.29		ug/Kg		99	75 - 127
Bromobenzene	50.0	39.83		ug/Kg		80	75 - 130
Bromochloromethane	50.0	54.66		ug/Kg		109	70 - 132
Bromodichloromethane	50.0	49.55		ug/Kg		99	68 - 135
Bromoform	50.0	42.04		ug/Kg		84	36 - 150
Bromomethane	50.0	60.16		ug/Kg		120	43 - 142
Carbon disulfide	50.0	42.54		ug/Kg		85	74 - 135
Carbon tetrachloride	50.0	49.53		ug/Kg		99	70 - 141
Chlorobenzene	50.0	45.10		ug/Kg		90	84 - 125
Chlorodibromomethane	50.0	44.65		ug/Kg		89	66 - 134
Chloroethane	50.0	50.71		ug/Kg		101	53 - 144
Chloroform	50.0	49.66		ug/Kg		99	76 - 130
Chloromethane	50.0	38.96		ug/Kg		78	23 - 150

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

Lab Sample ID: LCS 490-68361/3
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	47.72		ug/Kg		95	75 - 125
cis-1,3-Dichloropropene	50.0	42.88		ug/Kg		86	73 - 148
Dibromomethane	50.0	52.46		ug/Kg		105	71 - 130
Dichlorodifluoromethane	50.0	53.24		ug/Kg		106	12 - 144
Ethylbenzene	50.0	43.96		ug/Kg		88	80 - 134
Hexachlorobutadiene	50.0	48.36		ug/Kg		97	65 - 148
Isopropylbenzene	50.0	44.63		ug/Kg		89	80 - 150
Methyl tert-butyl ether	50.0	49.23		ug/Kg		98	70 - 136
Methylene Chloride	50.0	52.55		ug/Kg		105	68 - 144
Naphthalene	50.0	49.34		ug/Kg		99	69 - 150
n-Butylbenzene	50.0	43.25		ug/Kg		86	72 - 152
N-Propylbenzene	50.0	40.37		ug/Kg		81	75 - 137
p-Isopropyltoluene	50.0	42.02		ug/Kg		84	77 - 141
sec-Butylbenzene	50.0	41.61		ug/Kg		83	79 - 141
Styrene	50.0	44.17		ug/Kg		88	82 - 137
tert-Butylbenzene	50.0	41.57		ug/Kg		83	80 - 132
Tetrachloroethene	50.0	50.92		ug/Kg		102	78 - 140
Toluene	50.0	47.49		ug/Kg		95	80 - 132
trans-1,2-Dichloroethene	50.0	52.04		ug/Kg		104	76 - 128
trans-1,3-Dichloropropene	50.0	39.41		ug/Kg		79	62 - 139
Trichloroethene	50.0	53.85		ug/Kg		108	77 - 127
Trichlorofluoromethane	50.0	51.59		ug/Kg		103	50 - 140
Vinyl chloride	50.0	47.44		ug/Kg		95	47 - 136
Xylenes, Total	150	131.4		ug/Kg		88	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	47.65		ug/Kg		95	80 - 136	7	50
1,1,1-Trichloroethane	50.0	55.32		ug/Kg		111	72 - 140	7	50
1,1,2,2-Tetrachloroethane	50.0	43.17		ug/Kg		86	66 - 134	1	50
1,1,2-Trichloroethane	50.0	46.81		ug/Kg		94	78 - 128	3	50
1,1-Dichloroethane	50.0	53.69		ug/Kg		107	75 - 124	7	50
1,1-Dichloroethene	50.0	63.66		ug/Kg		127	75 - 131	9	50
1,1-Dichloropropene	50.0	54.43		ug/Kg		109	79 - 127	7	50
1,2,3-Trichlorobenzene	50.0	53.81		ug/Kg		108	70 - 150	4	50
1,2,3-Trichloropropane	50.0	41.32		ug/Kg		83	65 - 139	2	50
1,2,4-Trichlorobenzene	50.0	54.72		ug/Kg		109	62 - 150	3	50
1,2,4-Trimethylbenzene	50.0	44.23		ug/Kg		88	77 - 139	8	50
1,2-Dibromo-3-Chloropropane	50.0	46.78		ug/Kg		94	49 - 142	1	50

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

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	50.0	50.32		ug/Kg		101	80 - 135	3	50
1,2-Dichlorobenzene	50.0	46.73		ug/Kg		93	80 - 134	7	50
1,2-Dichloroethane	50.0	52.65		ug/Kg		105	65 - 134	2	50
1,2-Dichloropropane	50.0	47.86		ug/Kg		96	69 - 120	5	50
1,3,5-Trimethylbenzene	50.0	44.58		ug/Kg		89	78 - 138	8	50
1,3-Dichlorobenzene	50.0	47.30		ug/Kg		95	79 - 137	7	50
1,3-Dichloropropane	50.0	46.06		ug/Kg		92	78 - 126	4	42
1,4-Dichlorobenzene	50.0	46.48		ug/Kg		93	77 - 139	6	50
2,2-Dichloropropane	50.0	49.83		ug/Kg		100	68 - 145	6	50
2-Butanone (MEK)	250	302.0		ug/Kg		121	61 - 132	5	50
2-Chlorotoluene	50.0	43.49		ug/Kg		87	78 - 132	9	50
2-Hexanone	250	244.4		ug/Kg		98	57 - 148	4	50
4-Chlorotoluene	50.0	44.67		ug/Kg		89	77 - 138	9	50
4-Methyl-2-pentanone (MIBK)	250	255.5		ug/Kg		102	59 - 138	2	50
Acetone	250	270.1		ug/Kg		108	51 - 149	4	50
Benzene	50.0	53.01		ug/Kg		106	75 - 127	7	50
Bromobenzene	50.0	41.96		ug/Kg		84	75 - 130	5	50
Bromochloromethane	50.0	56.72		ug/Kg		113	70 - 132	4	50
Bromodichloromethane	50.0	51.33		ug/Kg		103	68 - 135	4	50
Bromoform	50.0	41.68		ug/Kg		83	36 - 150	1	50
Bromomethane	50.0	67.02		ug/Kg		134	43 - 142	11	50
Carbon disulfide	50.0	45.66		ug/Kg		91	74 - 135	7	50
Carbon tetrachloride	50.0	53.16		ug/Kg		106	70 - 141	7	50
Chlorobenzene	50.0	48.89		ug/Kg		98	84 - 125	8	50
Chlorodibromomethane	50.0	46.12		ug/Kg		92	66 - 134	3	50
Chloroethane	50.0	55.39		ug/Kg		111	53 - 144	9	50
Chloroform	50.0	53.08		ug/Kg		106	76 - 130	7	49
Chloromethane	50.0	41.20		ug/Kg		82	23 - 150	6	50
cis-1,2-Dichloroethene	50.0	50.90		ug/Kg		102	75 - 125	6	50
cis-1,3-Dichloropropene	50.0	45.73		ug/Kg		91	73 - 148	6	50
Dibromomethane	50.0	52.81		ug/Kg		106	71 - 130	1	50
Dichlorodifluoromethane	50.0	56.37		ug/Kg		113	12 - 144	6	50
Ethylbenzene	50.0	48.15		ug/Kg		96	80 - 134	9	50
Hexachlorobutadiene	50.0	51.82		ug/Kg		104	65 - 148	7	50
Isopropylbenzene	50.0	48.48		ug/Kg		97	80 - 150	8	50
Methyl tert-butyl ether	50.0	47.79		ug/Kg		96	70 - 136	3	50
Methylene Chloride	50.0	55.23		ug/Kg		110	68 - 144	5	50
Naphthalene	50.0	49.44		ug/Kg		99	69 - 150	0	50
n-Butylbenzene	50.0	46.24		ug/Kg		92	72 - 152	7	50
N-Propylbenzene	50.0	44.12		ug/Kg		88	75 - 137	9	50
p-Isopropyltoluene	50.0	45.06		ug/Kg		90	77 - 141	7	50
sec-Butylbenzene	50.0	45.39		ug/Kg		91	79 - 141	9	50
Styrene	50.0	48.16		ug/Kg		96	82 - 137	9	50
tert-Butylbenzene	50.0	45.07		ug/Kg		90	80 - 132	8	50
Tetrachloroethene	50.0	55.64		ug/Kg		111	78 - 140	9	50
Toluene	50.0	48.53		ug/Kg		97	80 - 132	2	50
trans-1,2-Dichloroethene	50.0	55.98		ug/Kg		112	76 - 128	7	50
trans-1,3-Dichloropropene	50.0	40.40		ug/Kg		81	62 - 139	2	50

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

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			50.0	57.46		ug/Kg		115	77 - 127	6	50
Trichlorofluoromethane			50.0	53.32		ug/Kg		107	50 - 140	3	50
Vinyl chloride			50.0	50.45		ug/Kg		101	47 - 136	6	50
Xylenes, Total			150	143.3		ug/Kg		96	80 - 137	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 490-68718/6
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/29/13 12:44	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/29/13 12:44	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
2-Hexanone	ND		50.0		ug/Kg			03/29/13 12:44	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/29/13 12:44	1
Acetone	ND		50.0		ug/Kg			03/29/13 12:44	1
Benzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromochloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromodichloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromoform	ND		2.00		ug/Kg			03/29/13 12:44	1

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

Lab Sample ID: MB 490-68718/6
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Carbon disulfide	ND		5.00		ug/Kg			03/29/13 12:44	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/29/13 12:44	1
Chlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Chloroethane	ND		5.00		ug/Kg			03/29/13 12:44	1
Chloroform	ND		2.00		ug/Kg			03/29/13 12:44	1
Chloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
Dibromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Ethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/29/13 12:44	1
Isopropylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/29/13 12:44	1
Methylene Chloride	ND		10.0		ug/Kg			03/29/13 12:44	1
Naphthalene	ND		5.00		ug/Kg			03/29/13 12:44	1
n-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
N-Propylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Styrene	ND		2.00		ug/Kg			03/29/13 12:44	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Tetrachloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
Toluene	ND		2.00		ug/Kg			03/29/13 12:44	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
Trichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Vinyl chloride	ND		2.00		ug/Kg			03/29/13 12:44	1
Xylenes, Total	ND		5.00		ug/Kg			03/29/13 12:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/29/13 12:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/29/13 12:44*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/29/13 12:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/29/13 12:44*	*1*

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.73		ug/Kg		89	80 - 136
1,1,1-Trichloroethane	50.0	54.11		ug/Kg		108	72 - 140
1,1,2,2-Tetrachloroethane	50.0	41.72		ug/Kg		83	66 - 134
1,1,2-Trichloroethane	50.0	45.37		ug/Kg		91	78 - 128

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

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	53.14		ug/Kg		106	75 - 124
1,1-Dichloroethene	50.0	62.47		ug/Kg		125	75 - 131
1,1-Dichloropropene	50.0	54.10		ug/Kg		108	79 - 127
1,2,3-Trichlorobenzene	50.0	51.15		ug/Kg		102	70 - 150
1,2,3-Trichloropropane	50.0	40.22		ug/Kg		80	65 - 139
1,2,4-Trichlorobenzene	50.0	52.79		ug/Kg		106	62 - 150
1,2,4-Trimethylbenzene	50.0	42.74		ug/Kg		85	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	45.27		ug/Kg		91	49 - 142
1,2-Dibromoethane (EDB)	50.0	47.91		ug/Kg		96	80 - 135
1,2-Dichlorobenzene	50.0	45.00		ug/Kg		90	80 - 134
1,2-Dichloroethane	50.0	52.13		ug/Kg		104	65 - 134
1,2-Dichloropropane	50.0	46.73		ug/Kg		93	69 - 120
1,3,5-Trimethylbenzene	50.0	43.24		ug/Kg		86	78 - 138
1,3-Dichlorobenzene	50.0	45.70		ug/Kg		91	79 - 137
1,3-Dichloropropane	50.0	44.45		ug/Kg		89	78 - 126
1,4-Dichlorobenzene	50.0	45.66		ug/Kg		91	77 - 139
2,2-Dichloropropane	50.0	49.36		ug/Kg		99	68 - 145
2-Butanone (MEK)	250	318.6		ug/Kg		127	61 - 132
2-Chlorotoluene	50.0	41.93		ug/Kg		84	78 - 132
2-Hexanone	250	248.9		ug/Kg		100	57 - 148
4-Chlorotoluene	50.0	43.04		ug/Kg		86	77 - 138
4-Methyl-2-pentanone (MIBK)	250	253.8		ug/Kg		102	59 - 138
Acetone	250	288.8		ug/Kg		116	51 - 149
Benzene	50.0	52.67		ug/Kg		105	75 - 127
Bromobenzene	50.0	41.12		ug/Kg		82	75 - 130
Bromochloromethane	50.0	55.13		ug/Kg		110	70 - 132
Bromodichloromethane	50.0	48.74		ug/Kg		97	68 - 135
Bromoform	50.0	38.81		ug/Kg		78	36 - 150
Bromomethane	50.0	66.66		ug/Kg		133	43 - 142
Carbon disulfide	50.0	45.79		ug/Kg		92	74 - 135
Carbon tetrachloride	50.0	51.40		ug/Kg		103	70 - 141
Chlorobenzene	50.0	47.64		ug/Kg		95	84 - 125
Chlorodibromomethane	50.0	42.45		ug/Kg		85	66 - 134
Chloroethane	50.0	58.54		ug/Kg		117	53 - 144
Chloroform	50.0	52.28		ug/Kg		105	76 - 130
Chloromethane	50.0	44.69		ug/Kg		89	23 - 150
cis-1,2-Dichloroethene	50.0	50.59		ug/Kg		101	75 - 125
cis-1,3-Dichloropropene	50.0	44.04		ug/Kg		88	73 - 148
Dibromomethane	50.0	50.72		ug/Kg		101	71 - 130
Dichlorodifluoromethane	50.0	59.44		ug/Kg		119	12 - 144
Ethylbenzene	50.0	46.60		ug/Kg		93	80 - 134
Hexachlorobutadiene	50.0	48.04		ug/Kg		96	65 - 148
Isopropylbenzene	50.0	46.76		ug/Kg		94	80 - 150
Methyl tert-butyl ether	50.0	48.46		ug/Kg		97	70 - 136
Methylene Chloride	50.0	55.47		ug/Kg		111	68 - 144
Naphthalene	50.0	47.53		ug/Kg		95	69 - 150
n-Butylbenzene	50.0	44.52		ug/Kg		89	72 - 152
N-Propylbenzene	50.0	42.97		ug/Kg		86	75 - 137

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

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	50.0	43.11		ug/Kg		86	77 - 141
sec-Butylbenzene	50.0	43.67		ug/Kg		87	79 - 141
Styrene	50.0	47.09		ug/Kg		94	82 - 137
tert-Butylbenzene	50.0	42.97		ug/Kg		86	80 - 132
Tetrachloroethene	50.0	54.15		ug/Kg		108	78 - 140
Toluene	50.0	50.15		ug/Kg		100	80 - 132
trans-1,2-Dichloroethene	50.0	56.17		ug/Kg		112	76 - 128
trans-1,3-Dichloropropene	50.0	39.46		ug/Kg		79	62 - 139
Trichloroethene	50.0	57.35		ug/Kg		115	77 - 127
Trichlorofluoromethane	50.0	57.65		ug/Kg		115	50 - 140
Vinyl chloride	50.0	54.53		ug/Kg		109	47 - 136
Xylenes, Total	150	138.7		ug/Kg		92	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	45.89		ug/Kg		92	80 - 136	3	50
1,1,1-Trichloroethane	50.0	53.67		ug/Kg		107	72 - 140	1	50
1,1,2,2-Tetrachloroethane	50.0	44.68		ug/Kg		89	66 - 134	7	50
1,1,2-Trichloroethane	50.0	47.13		ug/Kg		94	78 - 128	4	50
1,1-Dichloroethane	50.0	52.20		ug/Kg		104	75 - 124	2	50
1,1-Dichloroethene	50.0	61.47		ug/Kg		123	75 - 131	2	50
1,1-Dichloropropene	50.0	53.09		ug/Kg		106	79 - 127	2	50
1,2,3-Trichlorobenzene	50.0	53.04		ug/Kg		106	70 - 150	4	50
1,2,3-Trichloropropane	50.0	42.99		ug/Kg		86	65 - 139	7	50
1,2,4-Trichlorobenzene	50.0	53.73		ug/Kg		107	62 - 150	2	50
1,2,4-Trimethylbenzene	50.0	42.32		ug/Kg		85	77 - 139	1	50
1,2-Dibromo-3-Chloropropane	50.0	48.31		ug/Kg		97	49 - 142	6	50
1,2-Dibromoethane (EDB)	50.0	51.89		ug/Kg		104	80 - 135	8	50
1,2-Dichlorobenzene	50.0	45.20		ug/Kg		90	80 - 134	0	50
1,2-Dichloroethane	50.0	53.89		ug/Kg		108	65 - 134	3	50
1,2-Dichloropropane	50.0	47.55		ug/Kg		95	69 - 120	2	50
1,3,5-Trimethylbenzene	50.0	42.48		ug/Kg		85	78 - 138	2	50
1,3-Dichlorobenzene	50.0	45.44		ug/Kg		91	79 - 137	1	50
1,3-Dichloropropane	50.0	46.51		ug/Kg		93	78 - 126	5	42
1,4-Dichlorobenzene	50.0	45.44		ug/Kg		91	77 - 139	0	50
2,2-Dichloropropane	50.0	49.15		ug/Kg		98	68 - 145	0	50
2-Butanone (MEK)	250	310.0		ug/Kg		124	61 - 132	3	50
2-Chlorotoluene	50.0	40.85		ug/Kg		82	78 - 132	3	50
2-Hexanone	250	256.6		ug/Kg		103	57 - 148	3	50

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

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorotoluene			50.0	41.66		ug/Kg		83	77 - 138	3	50
4-Methyl-2-pentanone (MIBK)			250	271.6		ug/Kg		109	59 - 138	7	50
Acetone			250	282.4		ug/Kg		113	51 - 149	2	50
Benzene			50.0	51.82		ug/Kg		104	75 - 127	2	50
Bromobenzene			50.0	41.59		ug/Kg		83	75 - 130	1	50
Bromochloromethane			50.0	57.10		ug/Kg		114	70 - 132	4	50
Bromodichloromethane			50.0	50.71		ug/Kg		101	68 - 135	4	50
Bromoform			50.0	43.15		ug/Kg		86	36 - 150	11	50
Bromomethane			50.0	65.84		ug/Kg		132	43 - 142	1	50
Carbon disulfide			50.0	43.40		ug/Kg		87	74 - 135	5	50
Carbon tetrachloride			50.0	51.06		ug/Kg		102	70 - 141	1	50
Chlorobenzene			50.0	46.72		ug/Kg		93	84 - 125	2	50
Chlorodibromomethane			50.0	45.64		ug/Kg		91	66 - 134	7	50
Chloroethane			50.0	55.16		ug/Kg		110	53 - 144	6	50
Chloroform			50.0	51.61		ug/Kg		103	76 - 130	1	49
Chloromethane			50.0	40.55		ug/Kg		81	23 - 150	10	50
cis-1,2-Dichloroethene			50.0	49.45		ug/Kg		99	75 - 125	2	50
cis-1,3-Dichloropropene			50.0	44.70		ug/Kg		89	73 - 148	1	50
Dibromomethane			50.0	54.71		ug/Kg		109	71 - 130	8	50
Dichlorodifluoromethane			50.0	55.10		ug/Kg		110	12 - 144	8	50
Ethylbenzene			50.0	45.84		ug/Kg		92	80 - 134	2	50
Hexachlorobutadiene			50.0	49.34		ug/Kg		99	65 - 148	3	50
Isopropylbenzene			50.0	46.26		ug/Kg		93	80 - 150	1	50
Methyl tert-butyl ether			50.0	52.97		ug/Kg		106	70 - 136	9	50
Methylene Chloride			50.0	54.90		ug/Kg		110	68 - 144	1	50
Naphthalene			50.0	51.30		ug/Kg		103	69 - 150	8	50
n-Butylbenzene			50.0	44.42		ug/Kg		89	72 - 152	0	50
N-Propylbenzene			50.0	41.94		ug/Kg		84	75 - 137	2	50
p-Isopropyltoluene			50.0	42.96		ug/Kg		86	77 - 141	0	50
sec-Butylbenzene			50.0	43.06		ug/Kg		86	79 - 141	1	50
Styrene			50.0	46.27		ug/Kg		93	82 - 137	2	50
tert-Butylbenzene			50.0	43.30		ug/Kg		87	80 - 132	1	50
Tetrachloroethene			50.0	53.36		ug/Kg		107	78 - 140	1	50
Toluene			50.0	48.19		ug/Kg		96	80 - 132	4	50
trans-1,2-Dichloroethene			50.0	54.26		ug/Kg		109	76 - 128	3	50
trans-1,3-Dichloropropene			50.0	41.33		ug/Kg		83	62 - 139	5	50
Trichloroethene			50.0	56.29		ug/Kg		113	77 - 127	2	50
Trichlorofluoromethane			50.0	53.42		ug/Kg		107	50 - 140	8	50
Vinyl chloride			50.0	50.88		ug/Kg		102	47 - 136	7	50
Xylenes, Total			150	137.6		ug/Kg		92	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

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

Lab Sample ID: MB 490-68917/9
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/30/13 01:29	1
1,1-Dichloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,1-Dichloroethene	ND		100		ug/Kg			03/30/13 01:29	1
1,1-Dichloropropene	ND		100		ug/Kg			03/30/13 01:29	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/30/13 01:29	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/30/13 01:29	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/30/13 01:29	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,2-Dichloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,2-Dichloropropane	ND		100		ug/Kg			03/30/13 01:29	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,3-Dichloropropane	ND		100		ug/Kg			03/30/13 01:29	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
2,2-Dichloropropane	ND		100		ug/Kg			03/30/13 01:29	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/30/13 01:29	1
2-Chlorotoluene	ND		100		ug/Kg			03/30/13 01:29	1
2-Hexanone	ND		2500		ug/Kg			03/30/13 01:29	1
4-Chlorotoluene	ND		100		ug/Kg			03/30/13 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/30/13 01:29	1
Acetone	ND		2500		ug/Kg			03/30/13 01:29	1
Benzene	ND		100		ug/Kg			03/30/13 01:29	1
Bromobenzene	ND		100		ug/Kg			03/30/13 01:29	1
Bromochloromethane	ND		100		ug/Kg			03/30/13 01:29	1
Bromodichloromethane	ND		100		ug/Kg			03/30/13 01:29	1
Bromoform	ND		100		ug/Kg			03/30/13 01:29	1
Bromomethane	ND		100		ug/Kg			03/30/13 01:29	1
Carbon disulfide	ND		250		ug/Kg			03/30/13 01:29	1
Carbon tetrachloride	ND		100		ug/Kg			03/30/13 01:29	1
Chlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
Chlorodibromomethane	ND		100		ug/Kg			03/30/13 01:29	1
Chloroethane	ND		250		ug/Kg			03/30/13 01:29	1
Chloroform	ND		100		ug/Kg			03/30/13 01:29	1
Chloromethane	ND		100		ug/Kg			03/30/13 01:29	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/30/13 01:29	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/30/13 01:29	1
Dibromomethane	ND		100		ug/Kg			03/30/13 01:29	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/30/13 01:29	1
Ethylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
Hexachlorobutadiene	ND		250		ug/Kg			03/30/13 01:29	1
Isopropylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/30/13 01:29	1

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

Lab Sample ID: MB 490-68917/9
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		500		ug/Kg			03/30/13 01:29	1
Naphthalene	ND		250		ug/Kg			03/30/13 01:29	1
n-Butylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
N-Propylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
p-Isopropyltoluene	ND		100		ug/Kg			03/30/13 01:29	1
sec-Butylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
Styrene	ND		100		ug/Kg			03/30/13 01:29	1
tert-Butylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
Tetrachloroethene	ND		100		ug/Kg			03/30/13 01:29	1
Toluene	ND		100		ug/Kg			03/30/13 01:29	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/30/13 01:29	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/30/13 01:29	1
Trichloroethene	ND		100		ug/Kg			03/30/13 01:29	1
Trichlorofluoromethane	ND		100		ug/Kg			03/30/13 01:29	1
Vinyl chloride	ND		100		ug/Kg			03/30/13 01:29	1
Xylenes, Total	ND		250		ug/Kg			03/30/13 01:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/30/13 01:29*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*03/30/13 01:29*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*03/30/13 01:29*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*03/30/13 01:29*	*1*

Lab Sample ID: LCS 490-68917/5
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	57.87		ug/Kg		116	80 - 136
1,1,1-Trichloroethane	50.0	122.4	*	ug/Kg		245	72 - 140
1,1,2,2-Tetrachloroethane	50.0	50.38		ug/Kg		101	66 - 134
1,1,2-Trichloroethane	50.0	54.56		ug/Kg		109	78 - 128
1,1-Dichloroethane	50.0	122.2	*	ug/Kg		244	75 - 124
1,1-Dichloroethene	50.0	127.4	*	ug/Kg		255	75 - 131
1,1-Dichloropropene	50.0	110.1	*	ug/Kg		220	79 - 127
1,2,3-Trichlorobenzene	50.0	42.12		ug/Kg		84	70 - 150
1,2,3-Trichloropropane	50.0	49.06		ug/Kg		98	65 - 139
1,2,4-Trichlorobenzene	50.0	39.90		ug/Kg		80	62 - 150
1,2,4-Trimethylbenzene	50.0	43.02		ug/Kg		86	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	47.26		ug/Kg		95	49 - 142
1,2-Dibromoethane (EDB)	50.0	56.32		ug/Kg		113	80 - 135
1,2-Dichlorobenzene	50.0	45.09		ug/Kg		90	80 - 134
1,2-Dichloroethane	50.0	124.1	*	ug/Kg		248	65 - 134
1,2-Dichloropropane	50.0	113.6	*	ug/Kg		227	69 - 120
1,3,5-Trimethylbenzene	50.0	43.81		ug/Kg		88	78 - 138
1,3-Dichlorobenzene	50.0	43.74		ug/Kg		87	79 - 137
1,3-Dichloropropane	50.0	55.05		ug/Kg		110	78 - 126
1,4-Dichlorobenzene	50.0	43.23		ug/Kg		86	77 - 139

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

Lab Sample ID: LCS 490-68917/5
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	114.9	*	ug/Kg		230	68 - 145
2-Butanone (MEK)	250	541.1	*	ug/Kg		216	61 - 132
2-Chlorotoluene	50.0	44.82		ug/Kg		90	78 - 132
2-Hexanone	250	275.2		ug/Kg		110	57 - 148
4-Chlorotoluene	50.0	46.11		ug/Kg		92	77 - 138
4-Methyl-2-pentanone (MIBK)	250	277.0		ug/Kg		111	59 - 138
Acetone	250	612.1	*	ug/Kg		245	51 - 149
Benzene	50.0	112.7	*	ug/Kg		225	75 - 127
Bromobenzene	50.0	46.14		ug/Kg		92	75 - 130
Bromochloromethane	50.0	120.9	*	ug/Kg		242	70 - 132
Bromodichloromethane	50.0	131.7	*	ug/Kg		263	68 - 135
Bromoform	50.0	55.96		ug/Kg		112	36 - 150
Bromomethane	50.0	138.6	E *	ug/Kg		277	43 - 142
Carbon disulfide	50.0	108.3	*	ug/Kg		217	74 - 135
Carbon tetrachloride	50.0	123.9	*	ug/Kg		248	70 - 141
Chlorobenzene	50.0	52.15		ug/Kg		104	84 - 125
Chlorodibromomethane	50.0	58.71		ug/Kg		117	66 - 134
Chloroethane	50.0	127.3	*	ug/Kg		255	53 - 144
Chloroform	50.0	117.5	*	ug/Kg		235	76 - 130
Chloromethane	50.0	95.58	*	ug/Kg		191	23 - 150
cis-1,2-Dichloroethene	50.0	113.2	*	ug/Kg		226	75 - 125
cis-1,3-Dichloropropene	50.0	55.63		ug/Kg		111	73 - 148
Dibromomethane	50.0	120.7	*	ug/Kg		241	71 - 130
Dichlorodifluoromethane	50.0	118.2	*	ug/Kg		236	12 - 144
Ethylbenzene	50.0	51.76		ug/Kg		104	80 - 134
Hexachlorobutadiene	50.0	39.05		ug/Kg		78	65 - 148
Isopropylbenzene	50.0	50.76		ug/Kg		102	80 - 150
Methyl tert-butyl ether	50.0	119.5	*	ug/Kg		239	70 - 136
Methylene Chloride	50.0	119.6	*	ug/Kg		239	68 - 144
Naphthalene	50.0	45.38		ug/Kg		91	69 - 150
n-Butylbenzene	50.0	42.42		ug/Kg		85	72 - 152
N-Propylbenzene	50.0	42.85		ug/Kg		86	75 - 137
p-Isopropyltoluene	50.0	42.08		ug/Kg		84	77 - 141
sec-Butylbenzene	50.0	43.67		ug/Kg		87	79 - 141
Styrene	50.0	54.15		ug/Kg		108	82 - 137
tert-Butylbenzene	50.0	43.72		ug/Kg		87	80 - 132
Tetrachloroethene	50.0	50.72		ug/Kg		101	78 - 140
Toluene	50.0	51.91		ug/Kg		104	80 - 132
trans-1,2-Dichloroethene	50.0	123.8	*	ug/Kg		248	76 - 128
trans-1,3-Dichloropropene	50.0	54.94		ug/Kg		110	62 - 139
Trichloroethene	50.0	60.69		ug/Kg		121	77 - 127
Trichlorofluoromethane	50.0	114.5	*	ug/Kg		229	50 - 140
Vinyl chloride	50.0	114.0	*	ug/Kg		228	47 - 136
Xylenes, Total	150	157.3		ug/Kg		105	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*198*	*X*	*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: LCS 490-68917/5
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*196*	*X*	*70 - 130*
Toluene-d8 (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 490-68917/6
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			50.0	56.64		ug/Kg		113	80 - 136	2	50
1,1,1-Trichloroethane			50.0	65.86	*	ug/Kg		132	72 - 140	60	50
1,1,2,2-Tetrachloroethane			50.0	50.45		ug/Kg		101	66 - 134	0	50
1,1,2-Trichloroethane			50.0	54.95		ug/Kg		110	78 - 128	1	50
1,1-Dichloroethane			50.0	65.61	*	ug/Kg		131	75 - 124	60	50
1,1-Dichloroethene			50.0	69.02	*	ug/Kg		138	75 - 131	59	50
1,1-Dichloropropene			50.0	59.73	*	ug/Kg		119	79 - 127	59	50
1,2,3-Trichlorobenzene			50.0	42.31		ug/Kg		85	70 - 150	0	50
1,2,3-Trichloropropane			50.0	49.07		ug/Kg		98	65 - 139	0	50
1,2,4-Trichlorobenzene			50.0	35.71		ug/Kg		71	62 - 150	11	50
1,2,4-Trimethylbenzene			50.0	42.77		ug/Kg		86	77 - 139	1	50
1,2-Dibromo-3-Chloropropane			50.0	45.11		ug/Kg		90	49 - 142	5	50
1,2-Dibromoethane (EDB)			50.0	56.51		ug/Kg		113	80 - 135	0	50
1,2-Dichlorobenzene			50.0	45.46		ug/Kg		91	80 - 134	1	50
1,2-Dichloroethane			50.0	66.21	*	ug/Kg		132	65 - 134	61	50
1,2-Dichloropropane			50.0	59.87	*	ug/Kg		120	69 - 120	62	50
1,3,5-Trimethylbenzene			50.0	43.57		ug/Kg		87	78 - 138	1	50
1,3-Dichlorobenzene			50.0	43.29		ug/Kg		87	79 - 137	1	50
1,3-Dichloropropane			50.0	55.03		ug/Kg		110	78 - 126	0	42
1,4-Dichlorobenzene			50.0	43.30		ug/Kg		87	77 - 139	0	50
2,2-Dichloropropane			50.0	61.76	*	ug/Kg		124	68 - 145	60	50
2-Butanone (MEK)			250	297.2	*	ug/Kg		119	61 - 132	58	50
2-Chlorotoluene			50.0	44.42		ug/Kg		89	78 - 132	1	50
2-Hexanone			250	274.6		ug/Kg		110	57 - 148	0	50
4-Chlorotoluene			50.0	45.18		ug/Kg		90	77 - 138	2	50
4-Methyl-2-pentanone (MIBK)			250	238.9		ug/Kg		96	59 - 138	15	50
Acetone			250	332.2	*	ug/Kg		133	51 - 149	59	50
Benzene			50.0	60.06	*	ug/Kg		120	75 - 127	61	50
Bromobenzene			50.0	46.72		ug/Kg		93	75 - 130	1	50
Bromochloromethane			50.0	65.06	*	ug/Kg		130	70 - 132	60	50
Bromodichloromethane			50.0	70.05	*	ug/Kg		140	68 - 135	61	50
Bromoform			50.0	56.34		ug/Kg		113	36 - 150	1	50
Bromomethane			50.0	75.72	*	ug/Kg		151	43 - 142	59	50
Carbon disulfide			50.0	57.37	*	ug/Kg		115	74 - 135	61	50
Carbon tetrachloride			50.0	66.89	*	ug/Kg		134	70 - 141	60	50
Chlorobenzene			50.0	52.21		ug/Kg		104	84 - 125	0	50
Chlorodibromomethane			50.0	58.30		ug/Kg		117	66 - 134	1	50
Chloroethane			50.0	65.89	*	ug/Kg		132	53 - 144	64	50
Chloroform			50.0	63.68	*	ug/Kg		127	76 - 130	59	49
Chloromethane			50.0	48.43	*	ug/Kg		97	23 - 150	65	50

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

Lab Sample ID: LCSD 490-68917/6
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			50.0	61.02	*	ug/Kg		122	75 - 125	60	50
cis-1,3-Dichloropropene			50.0	49.06		ug/Kg		98	73 - 148	13	50
Dibromomethane			50.0	64.59	*	ug/Kg		129	71 - 130	61	50
Dichlorodifluoromethane			50.0	55.63	*	ug/Kg		111	12 - 144	72	50
Ethylbenzene			50.0	51.84		ug/Kg		104	80 - 134	0	50
Hexachlorobutadiene			50.0	36.49		ug/Kg		73	65 - 148	7	50
Isopropylbenzene			50.0	50.77		ug/Kg		102	80 - 150	0	50
Methyl tert-butyl ether			50.0	64.35	*	ug/Kg		129	70 - 136	60	50
Methylene Chloride			50.0	64.07	*	ug/Kg		128	68 - 144	60	50
Naphthalene			50.0	44.25		ug/Kg		88	69 - 150	3	50
n-Butylbenzene			50.0	40.74		ug/Kg		81	72 - 152	4	50
N-Propylbenzene			50.0	42.68		ug/Kg		85	75 - 137	0	50
p-Isopropyltoluene			50.0	41.83		ug/Kg		84	77 - 141	1	50
sec-Butylbenzene			50.0	42.44		ug/Kg		85	79 - 141	3	50
Styrene			50.0	54.47		ug/Kg		109	82 - 137	1	50
tert-Butylbenzene			50.0	43.11		ug/Kg		86	80 - 132	1	50
Tetrachloroethene			50.0	50.93		ug/Kg		102	78 - 140	0	50
Toluene			50.0	47.65		ug/Kg		95	80 - 132	9	50
trans-1,2-Dichloroethene			50.0	67.01	*	ug/Kg		134	76 - 128	59	50
trans-1,3-Dichloropropene			50.0	54.08		ug/Kg		108	62 - 139	2	50
Trichloroethene			50.0	58.21		ug/Kg		116	77 - 127	4	50
Trichlorofluoromethane			50.0	61.48	*	ug/Kg		123	50 - 140	60	50
Vinyl chloride			50.0	58.30	*	ug/Kg		117	47 - 136	65	50
Xylenes, Total			150	157.1		ug/Kg		105	80 - 137	0	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*83*		*70 - 130*

GC/MS VOA

Prep Batch: 67344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-4	MW-8 (30-32)	Total/NA	Solid	5035	
490-22586-5	MW-8 (35-37)	Total/NA	Solid	5035	
490-22586-6	MW-8 (40-42)	Total/NA	Solid	5035	
490-22586-7	MW-8 (45-47)	Total/NA	Solid	5035	
490-22586-8	MW-8 (50-52)	Total/NA	Solid	5035	
490-22586-9	MW-8 (55-57)	Total/NA	Solid	5035	
490-22586-11	MW-8 (65-67)	Total/NA	Solid	5035	

Prep Batch: 67345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-1	MW-8 (5-7)	Total/NA	Solid	5035	
490-22586-2	MW-8 (20-22)	Total/NA	Solid	5035	
490-22586-3	MW-8 (25-27)	Total/NA	Solid	5035	
490-22586-5	MW-8 (35-37)	Total/NA	Solid	5035	
490-22586-7	MW-8 (45-47)	Total/NA	Solid	5035	
490-22586-8	MW-8 (50-52)	Total/NA	Solid	5035	
490-22586-9	MW-8 (55-57)	Total/NA	Solid	5035	
490-22586-10	MW-8 (60-62)	Total/NA	Solid	5035	
490-22586-11	MW-8 (65-67)	Total/NA	Solid	5035	
490-22586-12	Trip Blank	Total/NA	Solid	5035	

Analysis Batch: 68361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-1	MW-8 (5-7)	Total/NA	Solid	8260B	67345
490-22586-2	MW-8 (20-22)	Total/NA	Solid	8260B	67345
490-22586-4	MW-8 (30-32)	Total/NA	Solid	8260B	67344
490-22586-4	MW-8 (30-32)	Total/NA	Solid	8260B	67344
490-22586-5	MW-8 (35-37)	Total/NA	Solid	8260B	67345
490-22586-6	MW-8 (40-42)	Total/NA	Solid	8260B	67344
490-22586-6	MW-8 (40-42)	Total/NA	Solid	8260B	67344
490-22586-7	MW-8 (45-47)	Total/NA	Solid	8260B	67345
490-22586-8	MW-8 (50-52)	Total/NA	Solid	8260B	67345
490-22586-9	MW-8 (55-57)	Total/NA	Solid	8260B	67345
490-22586-10	MW-8 (60-62)	Total/NA	Solid	8260B	67345
490-22586-11	MW-8 (65-67)	Total/NA	Solid	8260B	67345
490-22586-12	Trip Blank	Total/NA	Solid	8260B	67345
LCS 490-68361/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68361/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68361/6	Method Blank	Total/NA	Solid	8260B	
MB 490-68361/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-3	MW-8 (25-27)	Total/NA	Solid	8260B	67345
LCS 490-68718/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68718/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68718/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-5	MW-8 (35-37)	Total/NA	Solid	8260B	67344

GC/MS VOA (Continued)

Analysis Batch: 68917 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-7	MW-8 (45-47)	Total/NA	Solid	8260B	67344
490-22586-7	MW-8 (45-47)	Total/NA	Solid	8260B	67344
490-22586-8	MW-8 (50-52)	Total/NA	Solid	8260B	67344
490-22586-9	MW-8 (55-57)	Total/NA	Solid	8260B	67344
490-22586-9	MW-8 (55-57)	Total/NA	Solid	8260B	67344
490-22586-11	MW-8 (65-67)	Total/NA	Solid	8260B	67344
LCS 490-68917/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68917/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68917/9	Method Blank	Total/NA	Solid	8260B	

Client Sample ID: MW-8 (5-7)

Lab Sample ID: 490-22586-1

Date Collected: 03/21/13 08:30

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 13:36	KK	TAL NSH

Client Sample ID: MW-8 (20-22)

Lab Sample ID: 490-22586-2

Date Collected: 03/21/13 09:10

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 14:07	KK	TAL NSH

Client Sample ID: MW-8 (25-27)

Lab Sample ID: 490-22586-3

Date Collected: 03/21/13 09:25

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68718	03/29/13 13:46	KK	TAL NSH

Client Sample ID: MW-8 (30-32)

Lab Sample ID: 490-22586-4

Date Collected: 03/21/13 09:37

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 19:20	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		20	68361	03/28/13 19:51	KK	TAL NSH

Client Sample ID: MW-8 (35-37)

Lab Sample ID: 490-22586-5

Date Collected: 03/21/13 09:53

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 15:10	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 01:59	KK	TAL NSH

Client Sample ID: MW-8 (40-42)

Lab Sample ID: 490-22586-6

Date Collected: 03/21/13 10:30

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 18:18	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		20	68361	03/28/13 18:49	KK	TAL NSH

Client Sample ID: MW-8 (45-47)

Lab Sample ID: 490-22586-7

Date Collected: 03/21/13 10:50

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 15:41	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 03:31	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		20	68917	03/30/13 04:02	KK	TAL NSH

Client Sample ID: MW-8 (50-52)

Lab Sample ID: 490-22586-8

Date Collected: 03/21/13 11:10

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 16:13	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 02:30	KK	TAL NSH

Client Sample ID: MW-8 (55-57)

Lab Sample ID: 490-22586-9

Date Collected: 03/21/13 12:20

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 16:44	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 04:33	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		20	68917	03/30/13 05:03	KK	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (60-62)

Lab Sample ID: 490-22586-10

Date Collected: 03/21/13 12:30
Matrix: Solid
Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 14:39	KK	TAL NSH

Client Sample ID: MW-8 (65-67)

Lab Sample ID: 490-22586-11

Date Collected: 03/21/13 13:15
Matrix: Solid
Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 17:15	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 03:01	KK	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 490-22586-12

Date Collected: 03/21/13 00:01
Matrix: Solid
Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 13:05	KK	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13 *

Analysis Method	Prep Method	Matrix	Analyte

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT F(

490-22586 Chain of Custody

Cooler Received/Opened On : 03/22/13 @ 0800

Tracking # 1073 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 95610068

1. Temperature of rep. sample or temp blank when opened: 2.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA -Soils

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/4/2013

Client Information	Sampler: Michael K. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 914 694 5711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 1
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days):			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Loc: 490
22586

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
	Preservation Code:									
1	MW-8 (5-7)	3/21/13	0830	G	S			X		
2	MW-8 (20-22)		0910							
3	MW-8 (25-27)		0925							
4	MW-8 (30-32)		0937							
5	MW-8 (35-37)		0953							
6	MW-8 (40-42)		1030							
7	MW-8 (45-47)		1050							
8	MW-8 (50-52)		1110							
9	MW-8 (55-57)		1220							
10	MW-8 (60-62)		1230							
11	MW-8 (65-67)		1315							
12	TRIP BLANK		—							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Michael K. DeFelice	3/21/13 1700	LBG, INC	[signature] 2.9	03-22-13 08:00	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Leggette, Brashears & Graham, Inc.

Job Number: 490-22586-1
SDG Number: 202-06 Hillside Avenue, Hollis, NY

Login Number: 22586
List Number: 1
Creator: Ford, Easton

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-22570-1
TestAmerica SDG: 202-06 Hillside Avenue, Hollis, NY
Client Project/Site: CFI Hollis 70263 / V2114

For:
Leggette, Brashears & Graham, Inc.
110 Corporate Park Drive, Suite 112
White Plains, New York 10604

Attn: Jorma Weber

Sherry M Salomon

Authorized for release by:
4/4/2013 2:25:41 PM

Sherry Salomon
Project Mgmt. Assistant
sherry.salomon@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 66
QC Association 107
Chronicle 110
Method Summary 117
Certification Summary 118
Chain of Custody 119
Receipt Checklists 123

Sample Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-22570-1	MW-10 (2-3)	Solid	03/19/13 07:55	03/22/13 08:00
490-22570-2	MW-10 (3-4)	Solid	03/19/13 08:00	03/22/13 08:00
490-22570-3	MW-10 (5-7)	Solid	03/19/13 08:50	03/22/13 08:00
490-22570-4	MW-10 (10-12)	Solid	03/19/13 09:00	03/22/13 08:00
490-22570-5	MW-10 (15-17)	Solid	03/19/13 09:30	03/22/13 08:00
490-22570-6	MW-10 (20-22)	Solid	03/19/13 09:45	03/22/13 08:00
490-22570-7	MW-10 (25-27)	Solid	03/19/13 10:10	03/22/13 08:00
490-22570-8	MW-10 (30-32)	Solid	03/19/13 10:50	03/22/13 08:00
490-22570-9	MW-10 (35-37)	Solid	03/19/13 11:00	03/22/13 08:00
490-22570-10	MW-10 (40-42)	Solid	03/19/13 11:20	03/22/13 08:00
490-22570-11	MW-10 (45-47)	Solid	03/19/13 11:40	03/22/13 08:00
490-22570-12	MW-10 (50-52)	Solid	03/19/13 12:25	03/22/13 08:00
490-22570-13	MW-10 (55-57)	Solid	03/19/13 13:10	03/22/13 08:00
490-22570-14	MW-10 (60-62)	Solid	03/19/13 13:50	03/22/13 08:00
490-22570-15	MW-10 (65-67)	Solid	03/19/13 14:00	03/22/13 08:00
490-22570-16	MW-10 (70-72)	Solid	03/19/13 14:50	03/22/13 08:00
490-22570-17	MW-9 (5-7)	Solid	03/20/13 08:15	03/22/13 08:00
490-22570-18	MW-9 (10-12)	Solid	03/20/13 08:40	03/22/13 08:00
490-22570-19	MW-9 (15-17)	Solid	03/20/13 08:45	03/22/13 08:00
490-22570-20	MW-9 (20-22)	Solid	03/20/13 09:00	03/22/13 08:00
490-22570-21	MW-9 (25-27)	Solid	03/20/13 09:10	03/22/13 08:00
490-22570-22	MW-9 (30-32)	Solid	03/20/13 10:00	03/22/13 08:00
490-22570-23	MW-9 (35-37)	Solid	03/20/13 10:25	03/22/13 08:00
490-22570-24	MW-9 (40-42)	Solid	03/20/13 10:40	03/22/13 08:00
490-22570-25	MW-9 (45-47)	Solid	03/20/13 10:51	03/22/13 08:00
490-22570-26	MW-9 (50-52)	Solid	03/20/13 11:05	03/22/13 08:00
490-22570-27	MW-9 (55-57)	Solid	03/20/13 11:20	03/22/13 08:00
490-22570-28	MW-9 (60-62)	Solid	03/20/13 12:20	03/22/13 08:00
490-22570-29	MW-9 (65-67)	Solid	03/20/13 12:30	03/22/13 08:00
490-22570-30	Trip Blank	Solid	03/19/13 00:01	03/22/13 08:00

Job ID: 490-22570-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-22570-1

Comments
No additional comments.

Receipt
The samples were received on 3/22/2013 at 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample duplicate (LCSD) for analysis batch 68052 exceeded control limits for the following analytes: 1,1-Dichloroethene and Bromomethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Insufficient sample volumes were available to perform matrix spikes/matrix spike duplicates (MS/MSD) associated with analysis batches 68052, 68327, 68207, 68596, 68361, 68718 and 68649.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for analysis batch 68207 exceeded control limits for the following analyte: 4-Methyl-2-Pentanone (MIBK). This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following samples were diluted due to the natures of the sample matrices: MW-10 (2-3) (490-22570-1), MW-10 (3-4) (490-22570-2), MW-10 (5-7) (490-22570-3), MW-10 (10-12) (490-22570-4), MW-10 (40-42) (490-22570-10), MW-10 (45-47) (490-22570-11), MW-10 (55-57) (490-22570-13), MW-10 (60-62) (490-22570-14), MW-9 (10-12) (490-22570-18), MW-9 (50-52) (490-22570-26). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analysis batch 68327 exceeded control limits for the following analytes: trans-1,2-Dichloroethene, 1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethane and 4-Methyl-2-pentanone. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

The laboratory is only responsible for the certified testing and is not responsible for the sample integrity prior to laboratory receipt.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

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

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (2-3)
Date Collected: 03/19/13 07:55
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1,1-Trichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1,2,2-Tetrachloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1,2-Trichloroethane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1-Dichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1-Dichloroethene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2,3-Trichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2,3-Trichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2,4-Trichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2,4-Trimethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dibromo-3-Chloropropane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dibromoethane (EDB)	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,3,5-Trimethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,3-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,3-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,4-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
2,2-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
2-Butanone (MEK)	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
2-Chlorotoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
2-Hexanone	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
4-Chlorotoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
4-Methyl-2-pentanone (MIBK)	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Acetone	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Benzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromochloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromodichloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromoform	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Carbon disulfide	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Carbon tetrachloride	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chlorodibromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chloroethane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chloroform	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
cis-1,2-Dichloroethene	**3020**		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
cis-1,3-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Dibromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Dichlorodifluoromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Ethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Hexachlorobutadiene	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Isopropylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Methyl tert-butyl ether	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Methylene Chloride	ND		7160		ug/Kg		03/23/13 19:02	03/27/13 01:14	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (2-3)
Date Collected: 03/19/13 07:55
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
n-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
N-Propylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
p-Isopropyltoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
sec-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Styrene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
tert-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Tetrachloroethene	**185000**		7160		ug/Kg		03/23/13 19:02	03/29/13 02:36	100
Toluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
trans-1,2-Dichloroethene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
trans-1,3-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Trichloroethene	**25000**		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Trichlorofluoromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Vinyl chloride	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Xylenes, Total	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:14*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:36*	*100*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:14*	*20*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:36*	*100*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:14*	*20*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:36*	*100*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:14*	*20*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:36*	*100*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (3-4)
Date Collected: 03/19/13 08:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1,1-Trichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1,2,2-Tetrachloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1,2-Trichloroethane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1-Dichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1-Dichloroethene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2,3-Trichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2,3-Trichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2,4-Trichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2,4-Trimethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dibromo-3-Chloropropane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dibromoethane (EDB)	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,3,5-Trimethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,3-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,3-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,4-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
2,2-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
2-Butanone (MEK)	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
2-Chlorotoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
2-Hexanone	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
4-Chlorotoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
4-Methyl-2-pentanone (MIBK)	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Acetone	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Benzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromochloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromodichloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromoform	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Carbon disulfide	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Carbon tetrachloride	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chlorodibromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chloroethane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chloroform	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
cis-1,2-Dichloroethene	**74700**		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
cis-1,3-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Dibromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Dichlorodifluoromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Ethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Hexachlorobutadiene	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Isopropylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Methyl tert-butyl ether	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Methylene Chloride	ND		7160		ug/Kg		03/23/13 19:02	03/27/13 01:45	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (3-4)
Date Collected: 03/19/13 08:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
n-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
N-Propylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
p-Isopropyltoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
sec-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Styrene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
tert-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Tetrachloroethene	**1810000**		28600		ug/Kg		03/23/13 19:02	03/29/13 14:17	400
Toluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
trans-1,2-Dichloroethene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
trans-1,3-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Trichloroethene	**220000**		14300		ug/Kg		03/23/13 19:02	03/29/13 03:39	200
Trichlorofluoromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Vinyl chloride	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Xylenes, Total	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:45*	*20*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:39*	*200*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 14:17*	*400*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:45*	*20*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:39*	*200*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 19:02*	*03/29/13 14:17*	*400*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:45*	*20*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:39*	*200*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:02*	*03/29/13 14:17*	*400*
Toluene-d8 (Surr)	*103*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:45*	*20*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:39*	*200*
Toluene-d8 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/29/13 14:17*	*400*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (5-7)
Date Collected: 03/19/13 08:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1,1-Trichloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1,2,2-Tetrachloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1,2-Trichloroethane	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1-Dichloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1-Dichloroethene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1-Dichloropropene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2,3-Trichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2,3-Trichloropropane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2,4-Trichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2,4-Trimethylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dibromo-3-Chloropropane	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dibromoethane (EDB)	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dichloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dichloropropane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,3,5-Trimethylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,3-Dichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,3-Dichloropropane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,4-Dichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
2,2-Dichloropropane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
2-Butanone (MEK)	ND		37400		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
2-Chlorotoluene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
2-Hexanone	ND		37400		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
4-Chlorotoluene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
4-Methyl-2-pentanone (MIBK)	ND		37400		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Acetone	ND		37400		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Benzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromochloromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromodichloromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromoform	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromomethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Carbon disulfide	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Carbon tetrachloride	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chlorodibromomethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chloroethane	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chloroform	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chloromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
cis-1,2-Dichloroethene	**14700**		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
cis-1,3-Dichloropropene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Dibromomethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Dichlorodifluoromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Ethylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Hexachlorobutadiene	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Isopropylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Methyl tert-butyl ether	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Methylene Chloride	ND		7470		ug/Kg		03/23/13 19:02	03/27/13 02:16	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (5-7)
Date Collected: 03/19/13 08:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
n-Butylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
N-Propylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
p-Isopropyltoluene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
sec-Butylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Styrene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
tert-Butylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Tetrachloroethene	**148000**		7470		ug/Kg		03/23/13 19:02	03/29/13 03:07	100
Toluene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
trans-1,2-Dichloroethene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
trans-1,3-Dichloropropene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Trichloroethene	**16700**		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Trichlorofluoromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Vinyl chloride	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Xylenes, Total	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:16*	*20*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:07*	*100*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:16*	*20*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:07*	*100*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:16*	*20*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:07*	*100*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:16*	*20*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:07*	*100*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (10-12)
Date Collected: 03/19/13 09:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1,1-Trichloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1,2,2-Tetrachloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1,2-Trichloroethane	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1-Dichloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1-Dichloroethene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1-Dichloropropene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2,3-Trichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2,3-Trichloropropane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2,4-Trichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2,4-Trimethylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dibromo-3-Chloropropane	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dibromoethane (EDB)	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dichloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dichloropropane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,3,5-Trimethylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,3-Dichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,3-Dichloropropane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,4-Dichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
2,2-Dichloropropane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
2-Butanone (MEK)	ND		35600		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
2-Chlorotoluene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
2-Hexanone	ND		35600		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
4-Chlorotoluene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
4-Methyl-2-pentanone (MIBK)	ND		35600		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Acetone	ND		35600		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Benzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromochloromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromodichloromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromoform	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromomethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Carbon disulfide	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Carbon tetrachloride	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chlorodibromomethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chloroethane	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chloroform	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chloromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
cis-1,2-Dichloroethene	**10300**		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
cis-1,3-Dichloropropene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Dibromomethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Dichlorodifluoromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Ethylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Hexachlorobutadiene	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Isopropylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Methyl tert-butyl ether	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Methylene Chloride	ND		7110		ug/Kg		03/23/13 19:02	03/27/13 02:47	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (10-12)
Date Collected: 03/19/13 09:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
n-Butylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
N-Propylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
p-Isopropyltoluene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
sec-Butylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Styrene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
tert-Butylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Tetrachloroethene	**126000**		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Toluene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
trans-1,2-Dichloroethene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
trans-1,3-Dichloropropene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Trichloroethene	**10900**		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Trichlorofluoromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Vinyl chloride	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Xylenes, Total	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:47*	*20*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:47*	*20*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:47*	*20*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:47*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (15-17)
Date Collected: 03/19/13 09:30
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1,1-Trichloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1,2,2-Tetrachloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1,2-Trichloroethane	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1-Dichloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1-Dichloroethene	ND	*	1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1-Dichloropropene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2,3-Trichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2,3-Trichloropropane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2,4-Trichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2,4-Trimethylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dibromo-3-Chloropropane	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dibromoethane (EDB)	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dichloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dichloropropane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,3,5-Trimethylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,3-Dichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,3-Dichloropropane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,4-Dichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
2,2-Dichloropropane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
2-Butanone (MEK)	**76.1**		36.2		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
2-Chlorotoluene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
2-Hexanone	ND		36.2		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
4-Chlorotoluene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
4-Methyl-2-pentanone (MIBK)	ND		36.2		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Acetone	**119**		36.2		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Benzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromochloromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromodichloromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromoform	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromomethane	ND	*	1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Carbon disulfide	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Carbon tetrachloride	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chlorodibromomethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chloroethane	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chloroform	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chloromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
cis-1,2-Dichloroethene	**189**		77.7		ug/Kg		03/23/13 19:02	03/29/13 01:03	1
cis-1,3-Dichloropropene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Dibromomethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Dichlorodifluoromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Ethylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Hexachlorobutadiene	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Isopropylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Methyl tert-butyl ether	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Methylene Chloride	ND		7.25		ug/Kg		03/23/13 19:06	03/27/13 16:26	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (15-17)
Date Collected: 03/19/13 09:30
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
n-Butylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
N-Propylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
p-Isopropyltoluene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
sec-Butylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Styrene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
tert-Butylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Tetrachloroethene	**1110**		77.7		ug/Kg		03/23/13 19:02	03/29/13 01:03	1
Toluene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
trans-1,2-Dichloroethene	**13.5**		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
trans-1,3-Dichloropropene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Trichloroethene	**117**		77.7		ug/Kg		03/23/13 19:02	03/29/13 01:03	1
Trichlorofluoromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Vinyl chloride	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Xylenes, Total	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:03*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:03*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:26*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:03*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:26*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:03*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (20-22)
Date Collected: 03/19/13 09:45
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-6
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1,1-Trichloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1,2,2-Tetrachloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1,2-Trichloroethane	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1-Dichloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1-Dichloroethene	ND	*	1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1-Dichloropropene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2,3-Trichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2,3-Trichloropropane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2,4-Trichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2,4-Trimethylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dibromo-3-Chloropropane	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dibromoethane (EDB)	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dichloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dichloropropane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,3,5-Trimethylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,3-Dichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,3-Dichloropropane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,4-Dichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
2,2-Dichloropropane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
2-Butanone (MEK)	ND		48.6		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
2-Chlorotoluene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
2-Hexanone	ND		48.6		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
4-Chlorotoluene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		48.6		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Acetone	ND		48.6		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Benzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromochloromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromodichloromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromoform	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromomethane	ND	*	1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Carbon disulfide	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Carbon tetrachloride	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chlorodibromomethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chloroethane	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chloroform	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chloromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
cis-1,2-Dichloroethene	**26.6**		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
cis-1,3-Dichloropropene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Dibromomethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Dichlorodifluoromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Ethylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Hexachlorobutadiene	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Isopropylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Methyl tert-butyl ether	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Methylene Chloride	ND		9.73		ug/Kg		03/23/13 19:06	03/27/13 16:57	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (20-22)
Date Collected: 03/19/13 09:45
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
n-Butylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
N-Propylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
p-Isopropyltoluene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
sec-Butylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Styrene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
tert-Butylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Tetrachloroethene	**111**		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Toluene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
trans-1,2-Dichloroethene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
trans-1,3-Dichloropropene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Trichloroethene	**15.0**		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Trichlorofluoromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Vinyl chloride	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Xylenes, Total	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:57*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:57*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:57*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:57*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (25-27)
Date Collected: 03/19/13 10:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1,1-Trichloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1,2,2-Tetrachloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1,2-Trichloroethane	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1-Dichloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1-Dichloroethene	ND	*	1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1-Dichloropropene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2,3-Trichlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2,3-Trichloropropane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2,4-Trichlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2,4-Trimethylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dibromo-3-Chloropropane	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dibromoethane (EDB)	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dichlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dichloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dichloropropane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,3,5-Trimethylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,3-Dichlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,3-Dichloropropane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,4-Dichlorobenzene	**2.61**		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
2,2-Dichloropropane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
2-Butanone (MEK)	**49.8**		45.7		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
2-Chlorotoluene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
2-Hexanone	ND		45.7		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
4-Chlorotoluene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
4-Methyl-2-pentanone (MIBK)	ND		45.7		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Acetone	ND		45.7		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Benzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromochloromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromodichloromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromoform	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromomethane	ND	*	1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Carbon disulfide	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Carbon tetrachloride	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chlorodibromomethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chloroethane	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chloroform	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chloromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
cis-1,2-Dichloroethene	**965**		99.8		ug/Kg		03/23/13 19:02	03/29/13 01:34	1
cis-1,3-Dichloropropene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Dibromomethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Dichlorodifluoromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Ethylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Hexachlorobutadiene	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Isopropylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Methyl tert-butyl ether	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Methylene Chloride	ND		9.14		ug/Kg		03/23/13 19:06	03/27/13 17:29	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (25-27)
Date Collected: 03/19/13 10:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
n-Butylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
N-Propylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
p-Isopropyltoluene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
sec-Butylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Styrene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
tert-Butylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Tetrachloroethene	**2300**		99.8		ug/Kg		03/23/13 19:02	03/29/13 01:34	1
Toluene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
trans-1,2-Dichloroethene	**5.83**		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
trans-1,3-Dichloropropene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Trichloroethene	**303**		99.8		ug/Kg		03/23/13 19:02	03/29/13 01:34	1
Trichlorofluoromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Vinyl chloride	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Xylenes, Total	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:34*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/23/13 19:06*	*03/27/13 17:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:34*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 17:29*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:34*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 17:29*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:34*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (30-32)
Date Collected: 03/19/13 10:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1,1-Trichloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1,2,2-Tetrachloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1,2-Trichloroethane	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1-Dichloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1-Dichloroethene	ND	*	1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1-Dichloropropene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2,3-Trichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2,3-Trichloropropane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2,4-Trichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2,4-Trimethylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dibromo-3-Chloropropane	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dibromoethane (EDB)	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dichloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dichloropropane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,3,5-Trimethylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,3-Dichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,3-Dichloropropane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,4-Dichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
2,2-Dichloropropane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
2-Butanone (MEK)	ND		47.7		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
2-Chlorotoluene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
2-Hexanone	ND		47.7		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
4-Chlorotoluene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
4-Methyl-2-pentanone (MIBK)	ND		47.7		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Acetone	ND		47.7		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Benzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromochloromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromodichloromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromoform	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromomethane	ND	*	1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Carbon disulfide	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Carbon tetrachloride	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chlorodibromomethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chloroethane	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chloroform	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chloromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
cis-1,2-Dichloroethene	**24.3**		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
cis-1,3-Dichloropropene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Dibromomethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Dichlorodifluoromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Ethylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Hexachlorobutadiene	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Isopropylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Methyl tert-butyl ether	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Methylene Chloride	ND		9.55		ug/Kg		03/23/13 19:06	03/27/13 18:00	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (30-32)
Date Collected: 03/19/13 10:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
n-Butylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
N-Propylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
p-Isopropyltoluene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
sec-Butylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Styrene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
tert-Butylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Tetrachloroethene	**89.0**		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Toluene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
trans-1,2-Dichloroethene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
trans-1,3-Dichloropropene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Trichloroethene	**12.7**		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Trichlorofluoromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Vinyl chloride	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Xylenes, Total	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:00*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:00*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:00*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (35-37)
Date Collected: 03/19/13 11:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-9
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1,1-Trichloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1,2,2-Tetrachloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1,2-Trichloroethane	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1-Dichloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1-Dichloroethene	ND	*	1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1-Dichloropropene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2,3-Trichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2,3-Trichloropropane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2,4-Trichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2,4-Trimethylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dibromo-3-Chloropropane	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dibromoethane (EDB)	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dichloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dichloropropane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,3,5-Trimethylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,3-Dichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,3-Dichloropropane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,4-Dichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
2,2-Dichloropropane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
2-Butanone (MEK)	ND		48.9		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
2-Chlorotoluene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
2-Hexanone	ND		48.9		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
4-Chlorotoluene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		48.9		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Acetone	ND		48.9		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Benzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromochloromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromodichloromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromoform	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromomethane	ND	*	1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Carbon disulfide	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Carbon tetrachloride	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chlorodibromomethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chloroethane	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chloroform	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chloromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
cis-1,2-Dichloroethene	**28.8**		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
cis-1,3-Dichloropropene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Dibromomethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Dichlorodifluoromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Ethylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Hexachlorobutadiene	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Isopropylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Methyl tert-butyl ether	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Methylene Chloride	ND		9.79		ug/Kg		03/23/13 19:06	03/27/13 18:31	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (35-37)
Date Collected: 03/19/13 11:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
n-Butylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
N-Propylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
p-Isopropyltoluene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
sec-Butylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Styrene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
tert-Butylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Tetrachloroethene	**857**		95.3		ug/Kg		03/23/13 19:02	03/29/13 02:05	1
Toluene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
trans-1,2-Dichloroethene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
trans-1,3-Dichloropropene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Trichloroethene	**21.8**		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Trichlorofluoromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Vinyl chloride	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Xylenes, Total	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:31*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:05*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:31*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:05*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:31*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:05*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (40-42)
Date Collected: 03/19/13 11:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1,1-Trichloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1,2,2-Tetrachloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1,2-Trichloroethane	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1-Dichloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1-Dichloroethene	ND	*	89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1-Dichloropropene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2,3-Trichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2,3-Trichloropropane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2,4-Trichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2,4-Trimethylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dibromo-3-Chloropropane	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dibromoethane (EDB)	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dichloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dichloropropane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,3,5-Trimethylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,3-Dichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,3-Dichloropropane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,4-Dichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
2,2-Dichloropropane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
2-Butanone (MEK)	ND		2230		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
2-Chlorotoluene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
2-Hexanone	ND		2230		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
4-Chlorotoluene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
4-Methyl-2-pentanone (MIBK)	ND		2230		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Acetone	ND		2230		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Benzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromochloromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromodichloromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromoform	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromomethane	ND	*	89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Carbon disulfide	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Carbon tetrachloride	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chlorodibromomethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chloroethane	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chloroform	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chloromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
cis-1,2-Dichloroethene	**2280**		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
cis-1,3-Dichloropropene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Dibromomethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Dichlorodifluoromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Ethylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Hexachlorobutadiene	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Isopropylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Methyl tert-butyl ether	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Methylene Chloride	ND		447		ug/Kg		03/23/13 19:02	03/27/13 20:37	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (40-42)
Date Collected: 03/19/13 11:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
n-Butylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
N-Propylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
p-Isopropyltoluene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
sec-Butylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Styrene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
tert-Butylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Tetrachloroethene	**17600**		1790		ug/Kg		03/23/13 19:02	03/27/13 05:54	20
Toluene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
trans-1,2-Dichloroethene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
trans-1,3-Dichloropropene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Trichloroethene	**2120**		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Trichlorofluoromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Vinyl chloride	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Xylenes, Total	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 05:54*	*20*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:37*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 05:54*	*20*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:37*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 05:54*	*20*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:37*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:02*	*03/27/13 05:54*	*20*
Toluene-d8 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:37*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (45-47)
Date Collected: 03/19/13 11:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1,1-Trichloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1,2,2-Tetrachloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1,2-Trichloroethane	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1-Dichloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1-Dichloroethene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1-Dichloropropene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2,3-Trichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2,3-Trichloropropane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2,4-Trichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2,4-Trimethylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dibromo-3-Chloropropane	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dibromoethane (EDB)	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dichloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dichloropropane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,3,5-Trimethylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,3-Dichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,3-Dichloropropane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,4-Dichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
2,2-Dichloropropane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
2-Butanone (MEK)	ND		33700		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
2-Chlorotoluene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
2-Hexanone	ND		33700		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
4-Chlorotoluene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
4-Methyl-2-pentanone (MIBK)	ND		33700		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Acetone	ND		33700		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Benzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromochloromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromodichloromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromoform	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromomethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Carbon disulfide	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Carbon tetrachloride	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chlorodibromomethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chloroethane	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chloroform	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chloromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
cis-1,2-Dichloroethene	**5680**		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
cis-1,3-Dichloropropene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Dibromomethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Dichlorodifluoromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Ethylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Hexachlorobutadiene	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Isopropylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Methyl tert-butyl ether	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Methylene Chloride	ND		6740		ug/Kg		03/23/13 19:02	03/27/13 06:25	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (45-47)
Date Collected: 03/19/13 11:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
n-Butylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
N-Propylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
p-Isopropyltoluene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
sec-Butylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Styrene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
tert-Butylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Tetrachloroethene	**92000**		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Toluene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
trans-1,2-Dichloroethene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
trans-1,3-Dichloropropene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Trichloroethene	**8190**		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Trichlorofluoromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Vinyl chloride	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Xylenes, Total	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 06:25*	*20*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 06:25*	*20*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*03/23/13 19:02*	*03/27/13 06:25*	*20*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 06:25*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (50-52)
Date Collected: 03/19/13 12:25
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-12
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1,1-Trichloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1,2,2-Tetrachloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1,2-Trichloroethane	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1-Dichloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1-Dichloroethene	ND	*	1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1-Dichloropropene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2,3-Trichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2,3-Trichloropropane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2,4-Trichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2,4-Trimethylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dibromo-3-Chloropropane	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dibromoethane (EDB)	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dichloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dichloropropane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,3,5-Trimethylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,3-Dichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,3-Dichloropropane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,4-Dichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
2,2-Dichloropropane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
2-Butanone (MEK)	ND		42.3		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
2-Chlorotoluene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
2-Hexanone	ND		42.3		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
4-Chlorotoluene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
4-Methyl-2-pentanone (MIBK)	ND		42.3		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Acetone	ND		42.3		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Benzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromochloromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromodichloromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromoform	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromomethane	ND	*	1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Carbon disulfide	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Carbon tetrachloride	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chlorodibromomethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chloroethane	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chloroform	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chloromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
cis-1,2-Dichloroethene	**5.31**		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
cis-1,3-Dichloropropene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Dibromomethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Dichlorodifluoromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Ethylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Hexachlorobutadiene	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Isopropylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Methyl tert-butyl ether	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Methylene Chloride	ND		8.46		ug/Kg		03/23/13 19:06	03/27/13 19:03	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (50-52)
Date Collected: 03/19/13 12:25
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
n-Butylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
N-Propylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
p-Isopropyltoluene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
sec-Butylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Styrene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
tert-Butylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Tetrachloroethene	**36.4**		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Toluene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
trans-1,2-Dichloroethene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
trans-1,3-Dichloropropene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Trichloroethene	**3.54**		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Trichlorofluoromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Vinyl chloride	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Xylenes, Total	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:03*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:03*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:03*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (55-57)
Date Collected: 03/19/13 13:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1,1-Trichloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1,2,2-Tetrachloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1,2-Trichloroethane	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1-Dichloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1-Dichloroethene	ND	*	62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1-Dichloropropene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2,3-Trichlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2,3-Trichloropropane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2,4-Trichlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2,4-Trimethylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dibromo-3-Chloropropane	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dibromoethane (EDB)	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dichlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dichloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dichloropropane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,3,5-Trimethylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,3-Dichlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,3-Dichloropropane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,4-Dichlorobenzene	**78.5**		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
2,2-Dichloropropane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
2-Butanone (MEK)	ND		1570		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
2-Chlorotoluene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
2-Hexanone	ND		1570		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
4-Chlorotoluene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
4-Methyl-2-pentanone (MIBK)	ND		1570		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Acetone	ND		1570		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Benzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromochloromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromodichloromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromoform	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromomethane	ND	*	62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Carbon disulfide	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Carbon tetrachloride	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chlorodibromomethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chloroethane	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chloroform	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chloromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
cis-1,2-Dichloroethene	**2540**		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
cis-1,3-Dichloropropene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Dibromomethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Dichlorodifluoromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Ethylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Hexachlorobutadiene	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Isopropylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Methyl tert-butyl ether	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Methylene Chloride	ND		314		ug/Kg		03/23/13 19:02	03/27/13 22:11	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (55-57)
Date Collected: 03/19/13 13:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
n-Butylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
N-Propylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
p-Isopropyltoluene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
sec-Butylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Styrene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
tert-Butylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Tetrachloroethene	**44800**		1260		ug/Kg		03/23/13 19:02	03/27/13 07:27	20
Toluene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
trans-1,2-Dichloroethene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
trans-1,3-Dichloropropene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Trichloroethene	**3700**		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Trichlorofluoromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Vinyl chloride	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Xylenes, Total	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:27*	*20*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:27*	*20*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:27*	*20*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:27*	*20*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*

Client Sample ID: MW-10 (60-62)
Date Collected: 03/19/13 13:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-14
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1,1-Trichloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1,2,2-Tetrachloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1,2-Trichloroethane	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1-Dichloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1-Dichloroethene	ND	*	90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1-Dichloropropene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2,3-Trichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2,3-Trichloropropane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2,4-Trichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2,4-Trimethylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dibromo-3-Chloropropane	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dibromoethane (EDB)	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dichloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dichloropropane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,3,5-Trimethylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,3-Dichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,3-Dichloropropane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,4-Dichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
2,2-Dichloropropane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
2-Butanone (MEK)	ND		2270		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
2-Chlorotoluene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
2-Hexanone	ND		2270		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
4-Chlorotoluene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
4-Methyl-2-pentanone (MIBK)	ND		2270		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Acetone	ND		2270		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Benzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromochloromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromodichloromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromoform	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromomethane	ND	*	90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Carbon disulfide	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Carbon tetrachloride	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chlorodibromomethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chloroethane	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chloroform	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chloromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
cis-1,2-Dichloroethene	**800**		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
cis-1,3-Dichloropropene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Dibromomethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Dichlorodifluoromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Ethylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Hexachlorobutadiene	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Isopropylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Methyl tert-butyl ether	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Methylene Chloride	ND		453		ug/Kg		03/23/13 19:02	03/27/13 20:05	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (60-62)
Date Collected: 03/19/13 13:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
n-Butylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
N-Propylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
p-Isopropyltoluene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
sec-Butylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Styrene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
tert-Butylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Tetrachloroethene	**10300**		1810		ug/Kg		03/23/13 19:02	03/27/13 07:58	20
Toluene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
trans-1,2-Dichloroethene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
trans-1,3-Dichloropropene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Trichloroethene	**2070**		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Trichlorofluoromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Vinyl chloride	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Xylenes, Total	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:58*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:58*	*20*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:05*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:58*	*20*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:05*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:58*	*20*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:05*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (65-67)
Date Collected: 03/19/13 14:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-15
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1,1-Trichloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1,2,2-Tetrachloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1,2-Trichloroethane	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1-Dichloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1-Dichloroethene	ND	*	1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1-Dichloropropene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2,3-Trichlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2,3-Trichloropropane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2,4-Trichlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2,4-Trimethylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dibromo-3-Chloropropane	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dibromoethane (EDB)	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dichlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dichloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dichloropropane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,3,5-Trimethylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,3-Dichlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,3-Dichloropropane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,4-Dichlorobenzene	**1.72**		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
2,2-Dichloropropane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
2-Butanone (MEK)	ND		41.6		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
2-Chlorotoluene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
2-Hexanone	ND		41.6		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
4-Chlorotoluene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
4-Methyl-2-pentanone (MIBK)	ND		41.6		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Acetone	ND		41.6		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Benzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromochloromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromodichloromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromoform	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromomethane	ND	*	1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Carbon disulfide	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Carbon tetrachloride	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chlorodibromomethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chloroethane	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chloroform	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chloromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
cis-1,2-Dichloroethene	**113**		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
cis-1,3-Dichloropropene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Dibromomethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Dichlorodifluoromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Ethylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Hexachlorobutadiene	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Isopropylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Methyl tert-butyl ether	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Methylene Chloride	ND		8.32		ug/Kg		03/23/13 19:06	03/27/13 21:08	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (65-67)
Date Collected: 03/19/13 14:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
n-Butylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
N-Propylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
p-Isopropyltoluene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
sec-Butylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Styrene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
tert-Butylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Tetrachloroethene	**3060**		75.5		ug/Kg		03/23/13 19:02	03/27/13 21:40	1
Toluene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
trans-1,2-Dichloroethene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
trans-1,3-Dichloropropene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Trichloroethene	**136**		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Trichlorofluoromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Vinyl chloride	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Xylenes, Total	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 21:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/23/13 19:06*	*03/27/13 21:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:40*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/27/13 21:08*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:40*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 21:08*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:40*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (70-72)
Date Collected: 03/19/13 14:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-16
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1,1-Trichloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1,2,2-Tetrachloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1,2-Trichloroethane	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1-Dichloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1-Dichloroethene	ND	*	2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1-Dichloropropene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2,3-Trichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2,3-Trichloropropane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2,4-Trichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2,4-Trimethylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dibromo-3-Chloropropane	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dibromoethane (EDB)	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dichloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dichloropropane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,3,5-Trimethylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,3-Dichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,3-Dichloropropane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,4-Dichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
2,2-Dichloropropane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
2-Butanone (MEK)	ND		51.0		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
2-Chlorotoluene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
2-Hexanone	ND		51.0		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
4-Chlorotoluene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
4-Methyl-2-pentanone (MIBK)	ND		51.0		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Acetone	ND		51.0		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Benzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromochloromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromodichloromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromoform	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromomethane	ND	*	2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Carbon disulfide	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Carbon tetrachloride	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chlorodibromomethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chloroethane	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chloroform	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chloromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
cis-1,2-Dichloroethene	**11.7**		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
cis-1,3-Dichloropropene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Dibromomethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Dichlorodifluoromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Ethylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Hexachlorobutadiene	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Isopropylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Methyl tert-butyl ether	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Methylene Chloride	ND		10.2		ug/Kg		03/23/13 19:06	03/27/13 19:34	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (70-72)
Date Collected: 03/19/13 14:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
n-Butylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
N-Propylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
p-Isopropyltoluene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
sec-Butylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Styrene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
tert-Butylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Tetrachloroethene	**49.7**		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Toluene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
trans-1,2-Dichloroethene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
trans-1,3-Dichloropropene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Trichloroethene	**7.08**		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Trichlorofluoromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Vinyl chloride	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Xylenes, Total	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:34*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:34*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:34*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:34*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (5-7)
Date Collected: 03/20/13 08:15
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-17
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1,1-Trichloroethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1,2,2-Tetrachloroethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1,2-Trichloroethane	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1-Dichloroethane	ND	*	1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1-Dichloroethene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1-Dichloropropene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2,3-Trichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2,3-Trichloropropane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2,4-Trichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2,4-Trimethylbenzene	**3.44**		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dibromo-3-Chloropropane	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dibromoethane (EDB)	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dichloroethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dichloropropane	ND	*	1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,3,5-Trimethylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,3-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,3-Dichloropropane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,4-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
2,2-Dichloropropane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
2-Butanone (MEK)	ND		38.6		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
2-Chlorotoluene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
2-Hexanone	ND		38.6		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
4-Chlorotoluene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
4-Methyl-2-pentanone (MIBK)	ND	*	38.6		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Acetone	**123**		38.6		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Benzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromochloromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromodichloromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromoform	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromomethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Carbon disulfide	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Carbon tetrachloride	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chlorodibromomethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chloroethane	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chloroform	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chloromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
cis-1,2-Dichloroethene	**8.22**		1.57		ug/Kg		03/23/13 19:06	03/29/13 10:21	1
cis-1,3-Dichloropropene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Dibromomethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Dichlorodifluoromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Ethylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Hexachlorobutadiene	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Isopropylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Methyl tert-butyl ether	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Methylene Chloride	ND		7.71		ug/Kg		03/23/13 19:06	03/28/13 18:03	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (5-7)
Date Collected: 03/20/13 08:15
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**5.15**		3.93		ug/Kg		03/23/13 19:06	03/29/13 10:21	1
n-Butylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
N-Propylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
p-Isopropyltoluene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
sec-Butylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Styrene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
tert-Butylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Tetrachloroethene	**4220**		77.9		ug/Kg		03/23/13 19:02	03/27/13 20:41	1
Toluene	**1.70**		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
trans-1,2-Dichloroethene	ND	*	1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
trans-1,3-Dichloropropene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Trichloroethene	**21.7**		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Trichlorofluoromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Vinyl chloride	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Xylenes, Total	**7.83**		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*	*03/23/13 19:06*	*03/28/13 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:21*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:41*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/28/13 18:03*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:21*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:41*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:06*	*03/28/13 18:03*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:21*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:41*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/23/13 19:06*	*03/28/13 18:03*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:21*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (10-12)
Date Collected: 03/20/13 08:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-18
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1,1-Trichloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1,2,2-Tetrachloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1,2-Trichloroethane	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1-Dichloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1-Dichloroethene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1-Dichloropropene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2,3-Trichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2,3-Trichloropropane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2,4-Trichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2,4-Trimethylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dibromo-3-Chloropropane	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dibromoethane (EDB)	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dichloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dichloropropane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,3,5-Trimethylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,3-Dichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,3-Dichloropropane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,4-Dichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
2,2-Dichloropropane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
2-Butanone (MEK)	ND		52.3		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
2-Chlorotoluene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
2-Hexanone	ND		52.3		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
4-Chlorotoluene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		52.3		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Acetone	**82.9**		52.3		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Benzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromochloromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromodichloromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromoform	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromomethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Carbon disulfide	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Carbon tetrachloride	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chlorodibromomethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chloroethane	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chloroform	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chloromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
cis-1,2-Dichloroethene	**14.7**		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
cis-1,3-Dichloropropene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Dibromomethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Dichlorodifluoromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Ethylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Hexachlorobutadiene	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Isopropylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Methyl tert-butyl ether	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Methylene Chloride	ND		10.5		ug/Kg		03/23/13 19:06	03/29/13 10:51	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (10-12)
Date Collected: 03/20/13 08:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
n-Butylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
N-Propylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
p-Isopropyltoluene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
sec-Butylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Styrene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
tert-Butylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Tetrachloroethene	**2430**		73.1		ug/Kg		03/23/13 19:02	03/27/13 21:11	1
Toluene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
trans-1,2-Dichloroethene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
trans-1,3-Dichloropropene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Trichloroethene	**18.9**		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Trichlorofluoromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Vinyl chloride	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Xylenes, Total	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:51*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:51*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:11*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:51*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:11*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:51*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (15-17)
Date Collected: 03/20/13 08:45
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-19
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1,1-Trichloroethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1,2,2-Tetrachloroethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1,2-Trichloroethane	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1-Dichloroethane	ND	*	2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1-Dichloroethene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1-Dichloropropene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2,3-Trichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2,3-Trichloropropane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2,4-Trichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2,4-Trimethylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dibromo-3-Chloropropane	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dibromoethane (EDB)	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dichloroethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dichloropropane	ND	*	2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,3,5-Trimethylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,3-Dichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,3-Dichloropropane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,4-Dichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
2,2-Dichloropropane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
2-Butanone (MEK)	ND		62.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
2-Chlorotoluene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
2-Hexanone	ND		62.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
4-Chlorotoluene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
4-Methyl-2-pentanone (MIBK)	ND	*	62.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Acetone	ND		62.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Benzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromochloromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromodichloromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromoform	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromomethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Carbon disulfide	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Carbon tetrachloride	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chlorodibromomethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chloroethane	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chloroform	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chloromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
cis-1,2-Dichloroethene	**2.00**		1.93		ug/Kg		03/23/13 19:06	03/29/13 11:51	1
cis-1,3-Dichloropropene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Dibromomethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Dichlorodifluoromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Ethylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Hexachlorobutadiene	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Isopropylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Methyl tert-butyl ether	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Methylene Chloride	ND		12.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (15-17)
Date Collected: 03/20/13 08:45
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
n-Butylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
N-Propylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
p-Isopropyltoluene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
sec-Butylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Styrene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
tert-Butylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Tetrachloroethene	**32.9**		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Toluene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
trans-1,2-Dichloroethene	ND	*	2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
trans-1,3-Dichloropropene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Trichloroethene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Trichlorofluoromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Vinyl chloride	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Xylenes, Total	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:51*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:29*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:51*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:29*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:51*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:29*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:51*	*1*

Client Sample ID: MW-9 (20-22)
Date Collected: 03/20/13 09:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-20
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1,1-Trichloroethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1,2-Trichloroethane	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1-Dichloroethane	ND	*	1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1-Dichloroethene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1-Dichloropropene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2,3-Trichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2,3-Trichloropropane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2,4-Trichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2,4-Trimethylbenzene	**9.36**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dibromo-3-Chloropropane	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dibromoethane (EDB)	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dichloroethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dichloropropane	ND	*	1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,3,5-Trimethylbenzene	**2.09**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,3-Dichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,3-Dichloropropane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,4-Dichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
2,2-Dichloropropane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
2-Butanone (MEK)	ND		38.4		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
2-Chlorotoluene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
2-Hexanone	ND		38.4		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
4-Chlorotoluene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
4-Methyl-2-pentanone (MIBK)	ND	*	38.4		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Acetone	**58.3**		38.4		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Benzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromochloromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromodichloromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromoform	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromomethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Carbon disulfide	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Carbon tetrachloride	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chlorodibromomethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chloroethane	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chloroform	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chloromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
cis-1,2-Dichloroethene	**9.25**		1.45		ug/Kg		03/23/13 19:06	03/29/13 11:21	1
cis-1,3-Dichloropropene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Dibromomethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Dichlorodifluoromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Ethylbenzene	**3.04**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Hexachlorobutadiene	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Isopropylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Methyl tert-butyl ether	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Methylene Chloride	ND		7.67		ug/Kg		03/23/13 19:06	03/28/13 17:02	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (20-22)
Date Collected: 03/20/13 09:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.62		ug/Kg		03/23/13 19:06	03/29/13 11:21	1
n-Butylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
N-Propylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
p-Isopropyltoluene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
sec-Butylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Styrene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
tert-Butylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Tetrachloroethene	**3060**		67.3		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Toluene	**4.08**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
trans-1,2-Dichloroethene	ND	*	1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
trans-1,3-Dichloropropene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Trichloroethene	**14.4**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Trichlorofluoromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Vinyl chloride	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Xylenes, Total	**21.7**		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*	*03/23/13 19:06*	*03/28/13 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:21*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:06*	*03/28/13 17:02*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:21*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:06*	*03/28/13 17:02*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:21*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/23/13 19:06*	*03/28/13 17:02*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:21*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (25-27)
Date Collected: 03/20/13 09:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-21
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1,1-Trichloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1,2,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1,2-Trichloroethane	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1-Dichloroethane	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1-Dichloroethene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2,3-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2,3-Trichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2,4-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2,4-Trimethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dibromo-3-Chloropropane	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dibromoethane (EDB)	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dichloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dichloropropane	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,3,5-Trimethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,3-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,3-Dichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,4-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
2,2-Dichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
2-Butanone (MEK)	ND		49.4		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
2-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
2-Hexanone	ND		49.4		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
4-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
4-Methyl-2-pentanone (MIBK)	ND	*	49.4		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Acetone	ND		49.4		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Benzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromochloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromodichloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromoform	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Carbon disulfide	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Carbon tetrachloride	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chlorodibromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chloroethane	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chloroform	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
cis-1,2-Dichloroethene	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
cis-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Dibromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Dichlorodifluoromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Ethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Hexachlorobutadiene	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Isopropylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Methyl tert-butyl ether	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Methylene Chloride	ND		9.89		ug/Kg		03/23/13 19:06	03/28/13 10:59	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (25-27)
Date Collected: 03/20/13 09:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
n-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
N-Propylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
p-Isopropyltoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
sec-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Styrene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
tert-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Tetrachloroethene	**26.6**		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Toluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
trans-1,2-Dichloroethene	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
trans-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Trichloroethene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Trichlorofluoromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Vinyl chloride	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Xylenes, Total	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:59*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:59*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:59*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:59*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (30-32)
Date Collected: 03/20/13 10:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-22
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1,1-Trichloroethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1,2,2-Tetrachloroethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1,2-Trichloroethane	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1-Dichloroethane	ND	*	2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1-Dichloroethene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1-Dichloropropene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2,3-Trichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2,3-Trichloropropane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2,4-Trichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2,4-Trimethylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dibromo-3-Chloropropane	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dibromoethane (EDB)	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dichloroethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dichloropropane	ND	*	2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,3,5-Trimethylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,3-Dichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,3-Dichloropropane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,4-Dichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
2,2-Dichloropropane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
2-Butanone (MEK)	ND		51.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
2-Chlorotoluene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
2-Hexanone	ND		51.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
4-Chlorotoluene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
4-Methyl-2-pentanone (MIBK)	ND	*	51.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Acetone	ND		51.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Benzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromochloromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromodichloromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromoform	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromomethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Carbon disulfide	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Carbon tetrachloride	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chlorodibromomethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chloroethane	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chloroform	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chloromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
cis-1,2-Dichloroethene	ND	*	2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
cis-1,3-Dichloropropene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Dibromomethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Dichlorodifluoromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Ethylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Hexachlorobutadiene	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Isopropylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Methyl tert-butyl ether	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Methylene Chloride	ND		10.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (30-32)
Date Collected: 03/20/13 10:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
n-Butylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
N-Propylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
p-Isopropyltoluene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
sec-Butylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Styrene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
tert-Butylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Tetrachloroethene	**29.4**		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Toluene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
trans-1,2-Dichloroethene	ND	*	2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
trans-1,3-Dichloropropene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Trichloroethene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Trichlorofluoromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Vinyl chloride	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Xylenes, Total	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*70 - 130*	*03/23/13 19:06*	*03/28/13 11:29*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/23/13 19:06*	*03/28/13 11:29*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/28/13 11:29*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*03/23/13 19:06*	*03/28/13 11:29*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (35-37)
Date Collected: 03/20/13 10:25
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-23
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1,1-Trichloroethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1,2,2-Tetrachloroethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1,2-Trichloroethane	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1-Dichloroethane	ND	*	1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1-Dichloroethene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1-Dichloropropene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2,3-Trichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2,3-Trichloropropane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2,4-Trichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2,4-Trimethylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dibromo-3-Chloropropane	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dibromoethane (EDB)	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dichloroethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dichloropropane	ND	*	1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,3,5-Trimethylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,3-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,3-Dichloropropane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,4-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
2,2-Dichloropropane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
2-Butanone (MEK)	ND		44.9		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
2-Chlorotoluene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
2-Hexanone	ND		44.9		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
4-Chlorotoluene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
4-Methyl-2-pentanone (MIBK)	ND	*	44.9		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Acetone	ND		44.9		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Benzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromochloromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromodichloromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromoform	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromomethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Carbon disulfide	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Carbon tetrachloride	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chlorodibromomethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chloroethane	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chloroform	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chloromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
cis-1,2-Dichloroethene	ND	*	1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
cis-1,3-Dichloropropene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Dibromomethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Dichlorodifluoromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Ethylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Hexachlorobutadiene	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Isopropylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Methyl tert-butyl ether	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Methylene Chloride	ND		8.98		ug/Kg		03/23/13 19:06	03/28/13 12:00	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (35-37)
Date Collected: 03/20/13 10:25
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
n-Butylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
N-Propylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
p-Isopropyltoluene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
sec-Butylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Styrene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
tert-Butylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Tetrachloroethene	**14.4**		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Toluene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
trans-1,2-Dichloroethene	ND	*	1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
trans-1,3-Dichloropropene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Trichloroethene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Trichlorofluoromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Vinyl chloride	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Xylenes, Total	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:00*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:00*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:00*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:00*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (40-42)
Date Collected: 03/20/13 10:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-24
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1,1-Trichloroethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1,2,2-Tetrachloroethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1,2-Trichloroethane	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1-Dichloroethane	ND	*	1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1-Dichloroethene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1-Dichloropropene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2,3-Trichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2,3-Trichloropropane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2,4-Trichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2,4-Trimethylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dibromo-3-Chloropropane	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dibromoethane (EDB)	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dichloroethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dichloropropane	ND	*	1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,3,5-Trimethylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,3-Dichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,3-Dichloropropane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,4-Dichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
2,2-Dichloropropane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
2-Butanone (MEK)	ND		44.2		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
2-Chlorotoluene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
2-Hexanone	ND		44.2		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
4-Chlorotoluene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
4-Methyl-2-pentanone (MIBK)	ND	*	44.2		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Acetone	ND		44.2		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Benzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromochloromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromodichloromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromoform	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromomethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Carbon disulfide	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Carbon tetrachloride	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chlorodibromomethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chloroethane	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chloroform	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chloromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
cis-1,2-Dichloroethene	**29.6**		1.74		ug/Kg		03/23/13 19:06	03/29/13 12:21	1
cis-1,3-Dichloropropene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Dibromomethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Dichlorodifluoromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Ethylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Hexachlorobutadiene	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Isopropylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Methyl tert-butyl ether	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Methylene Chloride	ND		8.83		ug/Kg		03/23/13 19:06	03/28/13 12:30	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (40-42)
Date Collected: 03/20/13 10:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
n-Butylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
N-Propylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
p-Isopropyltoluene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
sec-Butylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Styrene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
tert-Butylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Tetrachloroethene	**44.3**		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Toluene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
trans-1,2-Dichloroethene	ND	*	1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
trans-1,3-Dichloropropene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Trichloroethene	**1.93**		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Trichlorofluoromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Vinyl chloride	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Xylenes, Total	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:21*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:30*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:21*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:30*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:21*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:30*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:21*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (45-47)
Date Collected: 03/20/13 10:51
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-25
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1,1-Trichloroethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1,2-Trichloroethane	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1-Dichloroethane	ND	*	1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1-Dichloroethene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1-Dichloropropene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2,3-Trichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2,3-Trichloropropane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2,4-Trichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2,4-Trimethylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dibromo-3-Chloropropane	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dibromoethane (EDB)	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dichloroethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dichloropropane	ND	*	1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,3,5-Trimethylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,3-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,3-Dichloropropane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,4-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
2,2-Dichloropropane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
2-Butanone (MEK)	ND		46.7		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
2-Chlorotoluene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
2-Hexanone	ND		46.7		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
4-Chlorotoluene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
4-Methyl-2-pentanone (MIBK)	ND	*	46.7		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Acetone	ND		46.7		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Benzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromochloromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromodichloromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromoform	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromomethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Carbon disulfide	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Carbon tetrachloride	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chlorodibromomethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chloroethane	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chloroform	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chloromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
cis-1,2-Dichloroethene	ND		1.89		ug/Kg		03/23/13 19:06	03/29/13 12:52	1
cis-1,3-Dichloropropene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Dibromomethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Dichlorodifluoromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Ethylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Hexachlorobutadiene	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Isopropylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Methyl tert-butyl ether	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Methylene Chloride	ND		9.34		ug/Kg		03/23/13 19:06	03/28/13 13:00	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (45-47)
Date Collected: 03/20/13 10:51
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-25
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
n-Butylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
N-Propylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
p-Isopropyltoluene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
sec-Butylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Styrene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
tert-Butylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Tetrachloroethene	**32.4**		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Toluene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
trans-1,2-Dichloroethene	ND	*	1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
trans-1,3-Dichloropropene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Trichloroethene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Trichlorofluoromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Vinyl chloride	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Xylenes, Total	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:52*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:00*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:52*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:00*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:52*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:00*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:52*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (50-52)
Date Collected: 03/20/13 11:05
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-26
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1,1-Trichloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1,2,2-Tetrachloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1,2-Trichloroethane	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1-Dichloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1-Dichloroethene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1-Dichloropropene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2,3-Trichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2,3-Trichloropropane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2,4-Trichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2,4-Trimethylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dibromo-3-Chloropropane	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dibromoethane (EDB)	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dichloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dichloropropane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,3,5-Trimethylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,3-Dichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,3-Dichloropropane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,4-Dichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
2,2-Dichloropropane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
2-Butanone (MEK)	ND		2220		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
2-Chlorotoluene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
2-Hexanone	ND		2220		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
4-Chlorotoluene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
4-Methyl-2-pentanone (MIBK)	ND	*	2220		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Acetone	ND		2220		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Benzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromochloromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromodichloromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromoform	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromomethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Carbon disulfide	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Carbon tetrachloride	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chlorodibromomethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chloroethane	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chloroform	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chloromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
cis-1,2-Dichloroethene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
cis-1,3-Dichloropropene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Dibromomethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Dichlorodifluoromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Ethylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Hexachlorobutadiene	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Isopropylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Methyl tert-butyl ether	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Methylene Chloride	ND		443		ug/Kg		03/23/13 19:02	03/28/13 01:12	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (50-52)
Date Collected: 03/20/13 11:05
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**5480**		2220		ug/Kg		03/23/13 19:02	03/28/13 15:01	10
n-Butylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
N-Propylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
p-Isopropyltoluene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
sec-Butylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Styrene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
tert-Butylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Tetrachloroethene	**1440**		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Toluene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
trans-1,2-Dichloroethene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
trans-1,3-Dichloropropene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Trichloroethene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Trichlorofluoromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Vinyl chloride	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Xylenes, Total	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/23/13 19:02*	*03/28/13 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/28/13 15:01*	*10*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/23/13 19:02*	*03/28/13 01:12*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/23/13 19:02*	*03/28/13 15:01*	*10*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:02*	*03/28/13 01:12*	*1*
Dibromofluoromethane (Surr)	*88*		*70 - 130*	*03/23/13 19:02*	*03/28/13 15:01*	*10*
Toluene-d8 (Surr)	*106*		*70 - 130*	*03/23/13 19:02*	*03/28/13 01:12*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*	*03/23/13 19:02*	*03/28/13 15:01*	*10*

Client Sample ID: MW-9 (55-57)
Date Collected: 03/20/13 11:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-27
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1,1-Trichloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1,2,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1,2-Trichloroethane	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1-Dichloroethane	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1-Dichloroethene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2,3-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2,3-Trichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2,4-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2,4-Trimethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dibromo-3-Chloropropane	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dibromoethane (EDB)	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dichloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dichloropropane	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,3,5-Trimethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,3-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,3-Dichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,4-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
2,2-Dichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
2-Butanone (MEK)	ND		49.6		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
2-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
2-Hexanone	ND		49.6		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
4-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
4-Methyl-2-pentanone (MIBK)	ND	*	49.6		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Acetone	ND		49.6		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Benzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromochloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromodichloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromoform	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Carbon disulfide	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Carbon tetrachloride	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chlorodibromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chloroethane	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chloroform	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
cis-1,2-Dichloroethene	**2.01**		1.87		ug/Kg		03/23/13 19:06	03/29/13 13:22	1
cis-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Dibromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Dichlorodifluoromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Ethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Hexachlorobutadiene	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Isopropylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Methyl tert-butyl ether	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Methylene Chloride	ND		9.92		ug/Kg		03/23/13 19:06	03/28/13 13:30	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (55-57)
Date Collected: 03/20/13 11:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
n-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
N-Propylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
p-Isopropyltoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
sec-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Styrene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
tert-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Tetrachloroethene	**23.8**		1.87		ug/Kg		03/23/13 19:06	03/29/13 13:22	1
Toluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
trans-1,2-Dichloroethene	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
trans-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Trichloroethene	**7.70**		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Trichlorofluoromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Vinyl chloride	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Xylenes, Total	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:22*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:30*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:22*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:30*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:22*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:30*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:22*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (60-62)
Date Collected: 03/20/13 12:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-28
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1,1-Trichloroethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1,2,2-Tetrachloroethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1,2-Trichloroethane	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1-Dichloroethane	ND	*	1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1-Dichloroethene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1-Dichloropropene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2,3-Trichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2,3-Trichloropropane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2,4-Trichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2,4-Trimethylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dibromo-3-Chloropropane	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dibromoethane (EDB)	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dichloroethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dichloropropane	ND	*	1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,3,5-Trimethylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,3-Dichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,3-Dichloropropane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,4-Dichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
2,2-Dichloropropane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
2-Butanone (MEK)	ND		44.7		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
2-Chlorotoluene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
2-Hexanone	ND		44.7		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
4-Chlorotoluene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
4-Methyl-2-pentanone (MIBK)	ND	*	44.7		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Acetone	ND		44.7		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Benzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromochloromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromodichloromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromoform	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromomethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Carbon disulfide	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Carbon tetrachloride	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chlorodibromomethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chloroethane	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chloroform	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chloromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
cis-1,2-Dichloroethene	ND		1.70		ug/Kg		03/23/13 19:06	03/29/13 13:52	1
cis-1,3-Dichloropropene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Dibromomethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Dichlorodifluoromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Ethylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Hexachlorobutadiene	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Isopropylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Methyl tert-butyl ether	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Methylene Chloride	ND		8.94		ug/Kg		03/23/13 19:06	03/28/13 14:01	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (60-62)
Date Collected: 03/20/13 12:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
n-Butylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
N-Propylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
p-Isopropyltoluene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
sec-Butylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Styrene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
tert-Butylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Tetrachloroethene	**64.7**		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Toluene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
trans-1,2-Dichloroethene	ND	*	1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
trans-1,3-Dichloropropene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Trichloroethene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Trichlorofluoromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Vinyl chloride	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Xylenes, Total	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:52*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:01*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:52*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:01*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:52*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:01*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:52*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (65-67)
Date Collected: 03/20/13 12:30
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-29
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1,1-Trichloroethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1,2,2-Tetrachloroethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1,2-Trichloroethane	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1-Dichloroethane	ND	*	1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1-Dichloroethene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1-Dichloropropene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2,3-Trichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2,3-Trichloropropane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2,4-Trichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2,4-Trimethylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dibromo-3-Chloropropane	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dibromoethane (EDB)	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dichloroethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dichloropropane	ND	*	1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,3,5-Trimethylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,3-Dichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,3-Dichloropropane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,4-Dichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
2,2-Dichloropropane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
2-Butanone (MEK)	ND		40.7		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
2-Chlorotoluene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
2-Hexanone	ND		40.7		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
4-Chlorotoluene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
4-Methyl-2-pentanone (MIBK)	ND	*	40.7		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Acetone	ND		40.7		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Benzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromochloromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromodichloromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromoform	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromomethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Carbon disulfide	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Carbon tetrachloride	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chlorodibromomethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chloroethane	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chloroform	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chloromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
cis-1,2-Dichloroethene	ND	*	1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
cis-1,3-Dichloropropene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Dibromomethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Dichlorodifluoromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Ethylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Hexachlorobutadiene	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Isopropylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Methyl tert-butyl ether	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Methylene Chloride	ND		8.14		ug/Kg		03/23/13 19:06	03/28/13 14:31	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (65-67)
Date Collected: 03/20/13 12:30
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
n-Butylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
N-Propylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
p-Isopropyltoluene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
sec-Butylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Styrene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
tert-Butylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Tetrachloroethene	**21.9**		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Toluene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
trans-1,2-Dichloroethene	ND	*	1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
trans-1,3-Dichloropropene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Trichloroethene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Trichlorofluoromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Vinyl chloride	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Xylenes, Total	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:31*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:31*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:31*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:31*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 03/19/13 00:01
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-30
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1-Dichloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1-Dichloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1-Dichloropropene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dichloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dichloropropane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,3-Dichloropropane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
2,2-Dichloropropane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
2-Butanone (MEK)	ND		50.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
2-Chlorotoluene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
2-Hexanone	ND		50.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
4-Chlorotoluene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Acetone	ND		50.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Benzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromochloromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromodichloromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromoform	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromomethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Carbon disulfide	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Carbon tetrachloride	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chlorodibromomethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chloroethane	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chloroform	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chloromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Dibromomethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Dichlorodifluoromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Ethylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Hexachlorobutadiene	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Isopropylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Methyl tert-butyl ether	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Methylene Chloride	ND		10.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 03/19/13 00:01
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
n-Butylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
N-Propylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
p-Isopropyltoluene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
sec-Butylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Styrene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
tert-Butylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Tetrachloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Toluene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Trichloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Trichlorofluoromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Vinyl chloride	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Xylenes, Total	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:34*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:34*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:34*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:34*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-22570-16 MS
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: MW-10 (70-72)
Prep Type: Total/NA
Prep Batch: 67338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		42200	44770		ug/Kg		106	19 - 158
1,1,1-Trichloroethane	ND		42200	51770		ug/Kg		123	35 - 149
1,1,2,2-Tetrachloroethane	ND		42200	38590		ug/Kg		91	10 - 162
1,1,2-Trichloroethane	ND		42200	44590		ug/Kg		106	19 - 157
1,1-Dichloroethane	ND		42200	50270		ug/Kg		119	42 - 136
1,1-Dichloroethene	ND		42200	60210		ug/Kg		143	41 - 143
1,1-Dichloropropene	ND		42200	52530		ug/Kg		124	38 - 145
1,2,3-Trichlorobenzene	ND		42200	53700		ug/Kg		127	10 - 157
1,2,3-Trichloropropane	ND		42200	36340		ug/Kg		86	10 - 157
1,2,4-Trichlorobenzene	ND		42200	56940		ug/Kg		135	10 - 167
1,2,4-Trimethylbenzene	ND		42200	42690		ug/Kg		101	14 - 165
1,2-Dibromo-3-Chloropropane	ND		42200	36120		ug/Kg		86	10 - 147
1,2-Dibromoethane (EDB)	ND		42200	47570		ug/Kg		113	18 - 156
1,2-Dichlorobenzene	ND		42200	45470		ug/Kg		108	10 - 160
1,2-Dichloroethane	ND		42200	51400		ug/Kg		122	28 - 138
1,2-Dichloropropane	ND		42200	45460		ug/Kg		108	20 - 146
1,3,5-Trimethylbenzene	ND		42200	42910		ug/Kg		102	18 - 164
1,3-Dichlorobenzene	ND		42200	45970		ug/Kg		109	10 - 162
1,3-Dichloropropane	ND		42200	44430		ug/Kg		105	22 - 148
1,4-Dichlorobenzene	ND		42200	46600		ug/Kg		110	11 - 159
2,2-Dichloropropane	ND		42200	47930		ug/Kg		114	33 - 148
2-Butanone (MEK)	ND		211000	265500		ug/Kg		126	18 - 153
2-Chlorotoluene	ND		42200	40620		ug/Kg		96	20 - 156
2-Hexanone	ND		211000	202700		ug/Kg		96	10 - 169
4-Chlorotoluene	ND		42200	42230		ug/Kg		100	17 - 159
4-Methyl-2-pentanone (MIBK)	ND		211000	218300		ug/Kg		103	10 - 168
Acetone	ND		211000	312000		ug/Kg		148	19 - 175
Benzene	ND		42200	50210		ug/Kg		119	31 - 143
Bromobenzene	ND		42200	39500		ug/Kg		94	12 - 157
Bromochloromethane	ND		42200	54200		ug/Kg		128	31 - 141
Bromodichloromethane	ND		42200	49660		ug/Kg		118	19 - 148
Bromoform	ND		42200	39320		ug/Kg		93	10 - 165
Bromomethane	ND		42200	44400		ug/Kg		105	10 - 164
Carbon disulfide	ND		42200	42630		ug/Kg		101	32 - 144
Carbon tetrachloride	ND		42200	49550		ug/Kg		117	31 - 149
Chlorobenzene	ND		42200	47300		ug/Kg		112	25 - 152
Chlorodibromomethane	ND		42200	44210		ug/Kg		105	14 - 146
Chloroethane	ND		42200	44000		ug/Kg		104	10 - 151
Chloroform	ND		42200	50030		ug/Kg		118	34 - 160
Chloromethane	ND		42200	38500		ug/Kg		91	10 - 156
cis-1,2-Dichloroethene	ND		42200	48460		ug/Kg		115	36 - 139
cis-1,3-Dichloropropene	ND		42200	44640		ug/Kg		106	15 - 166
Dibromomethane	ND		42200	51280		ug/Kg		121	20 - 146
Dichlorodifluoromethane	ND		42200	57140		ug/Kg		135	10 - 143
Ethylbenzene	ND		42200	46670		ug/Kg		111	23 - 161
Hexachlorobutadiene	ND		42200	50340		ug/Kg		119	10 - 171
Isopropylbenzene	ND		42200	46950		ug/Kg		111	23 - 181
Methyl tert-butyl ether	ND		42200	49740		ug/Kg		118	28 - 141

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

Lab Sample ID: 490-22570-16 MS | **Client Sample ID: MW-10 (70-72)**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 67975 | **Prep Batch: 67338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	ND		42200	54120		ug/Kg		128	24 - 182
Naphthalene	ND		42200	44970		ug/Kg		106	10 - 176
n-Butylbenzene	ND		42200	46540		ug/Kg		110	10 - 175
N-Propylbenzene	ND		42200	42540		ug/Kg		101	19 - 162
p-Isopropyltoluene	ND		42200	44810		ug/Kg		106	12 - 168
sec-Butylbenzene	ND		42200	43230		ug/Kg		102	12 - 170
Styrene	ND		42200	47220		ug/Kg		112	10 - 165
tert-Butylbenzene	ND		42200	42210		ug/Kg		100	20 - 164
Tetrachloroethene	ND		42200	55100		ug/Kg		130	33 - 161
Toluene	ND		42200	49600		ug/Kg		117	30 - 155
trans-1,2-Dichloroethene	ND		42200	53450		ug/Kg		127	39 - 140
trans-1,3-Dichloropropene	ND		42200	40250		ug/Kg		95	10 - 157
Trichloroethene	ND		42200	55860		ug/Kg		132	27 - 153
Trichlorofluoromethane	ND		42200	52470		ug/Kg		124	25 - 140
Vinyl chloride	ND		42200	47730		ug/Kg		113	20 - 141
Xylenes, Total	ND		127000	139400		ug/Kg		110	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-22570-16 MSD | **Client Sample ID: MW-10 (70-72)**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 67975 | **Prep Batch: 67338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		42200	37920		ug/Kg		90	19 - 158	17	50
1,1,1-Trichloroethane	ND		42200	44050		ug/Kg		104	35 - 149	16	50
1,1,2,2-Tetrachloroethane	ND		42200	31320		ug/Kg		74	10 - 162	21	50
1,1,2-Trichloroethane	ND		42200	37440		ug/Kg		89	19 - 157	17	50
1,1-Dichloroethane	ND		42200	43080		ug/Kg		102	42 - 136	15	50
1,1-Dichloroethene	ND		42200	50890		ug/Kg		121	41 - 143	17	50
1,1-Dichloropropene	ND		42200	44790		ug/Kg		106	38 - 145	16	50
1,2,3-Trichlorobenzene	ND		42200	45720		ug/Kg		108	10 - 157	16	50
1,2,3-Trichloropropane	ND		42200	28950		ug/Kg		69	10 - 157	23	50
1,2,4-Trichlorobenzene	ND		42200	48700		ug/Kg		115	10 - 167	16	50
1,2,4-Trimethylbenzene	ND		42200	36190		ug/Kg		86	14 - 165	16	50
1,2-Dibromo-3-Chloropropane	ND		42200	27420		ug/Kg		65	10 - 147	27	50
1,2-Dibromoethane (EDB)	ND		42200	39210		ug/Kg		93	18 - 156	19	50
1,2-Dichlorobenzene	ND		42200	38700		ug/Kg		92	10 - 160	16	50
1,2-Dichloroethane	ND		42200	43670		ug/Kg		103	28 - 138	16	50
1,2-Dichloropropane	ND		42200	39020		ug/Kg		92	20 - 146	15	50
1,3,5-Trimethylbenzene	ND		42200	36510		ug/Kg		86	18 - 164	16	50
1,3-Dichlorobenzene	ND		42200	39510		ug/Kg		94	10 - 162	15	50
1,3-Dichloropropane	ND		42200	37010		ug/Kg		88	22 - 148	18	42
1,4-Dichlorobenzene	ND		42200	39090		ug/Kg		93	11 - 159	18	50

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

Lab Sample ID: 490-22570-16 MSD
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: MW-10 (70-72)
Prep Type: Total/NA
Prep Batch: 67338

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2-Dichloropropane	ND		42200	40880		ug/Kg		97	33 - 148	16	50
2-Butanone (MEK)	ND		211000	197100		ug/Kg		93	18 - 153	30	50
2-Chlorotoluene	ND		42200	34880		ug/Kg		83	20 - 156	15	50
2-Hexanone	ND		211000	150900		ug/Kg		71	10 - 169	29	50
4-Chlorotoluene	ND		42200	36040		ug/Kg		85	17 - 159	16	50
4-Methyl-2-pentanone (MIBK)	ND		211000	165900		ug/Kg		79	10 - 168	27	50
Acetone	ND		211000	225300		ug/Kg		107	19 - 175	32	50
Benzene	ND		42200	42770		ug/Kg		101	31 - 143	16	50
Bromobenzene	ND		42200	33230		ug/Kg		79	12 - 157	17	50
Bromochloromethane	ND		42200	46450		ug/Kg		110	31 - 141	15	50
Bromodichloromethane	ND		42200	42310		ug/Kg		100	19 - 148	16	50
Bromoform	ND		42200	32060		ug/Kg		76	10 - 165	20	50
Bromomethane	ND		42200	48760		ug/Kg		115	10 - 164	9	50
Carbon disulfide	ND		42200	36590		ug/Kg		87	32 - 144	15	50
Carbon tetrachloride	ND		42200	42460		ug/Kg		101	31 - 149	15	50
Chlorobenzene	ND		42200	39930		ug/Kg		95	25 - 152	17	50
Chlorodibromomethane	ND		42200	37100		ug/Kg		88	14 - 146	17	50
Chloroethane	ND		42200	43100		ug/Kg		102	10 - 151	2	50
Chloroform	ND		42200	42820		ug/Kg		101	34 - 160	16	49
Chloromethane	ND		42200	34390		ug/Kg		81	10 - 156	11	50
cis-1,2-Dichloroethene	ND		42200	41230		ug/Kg		98	36 - 139	16	50
cis-1,3-Dichloropropene	ND		42200	37660		ug/Kg		89	15 - 166	17	50
Dibromomethane	ND		42200	42660		ug/Kg		101	20 - 146	18	50
Dichlorodifluoromethane	ND		42200	50260		ug/Kg		119	10 - 143	13	50
Ethylbenzene	ND		42200	39180		ug/Kg		93	23 - 161	17	50
Hexachlorobutadiene	ND		42200	42780		ug/Kg		101	10 - 171	16	50
Isopropylbenzene	ND		42200	39680		ug/Kg		94	23 - 181	17	50
Methyl tert-butyl ether	ND		42200	41660		ug/Kg		99	28 - 141	18	50
Methylene Chloride	ND		42200	46590		ug/Kg		110	24 - 182	15	50
Naphthalene	ND		42200	36520		ug/Kg		86	10 - 176	21	50
n-Butylbenzene	ND		42200	39570		ug/Kg		94	10 - 175	16	50
N-Propylbenzene	ND		42200	36030		ug/Kg		85	19 - 162	17	50
p-Isopropyltoluene	ND		42200	38030		ug/Kg		90	12 - 168	16	50
sec-Butylbenzene	ND		42200	36920		ug/Kg		87	12 - 170	16	50
Styrene	ND		42200	39960		ug/Kg		95	10 - 165	17	50
tert-Butylbenzene	ND		42200	35910		ug/Kg		85	20 - 164	16	50
Tetrachloroethene	ND		42200	46490		ug/Kg		110	33 - 161	17	50
Toluene	ND		42200	40210		ug/Kg		95	30 - 155	21	50
trans-1,2-Dichloroethene	ND		42200	44820		ug/Kg		106	39 - 140	18	50
trans-1,3-Dichloropropene	ND		42200	33210		ug/Kg		79	10 - 157	19	50
Trichloroethene	ND		42200	47290		ug/Kg		112	27 - 153	17	50
Trichlorofluoromethane	ND		42200	44900		ug/Kg		106	25 - 140	16	50
Vinyl chloride	ND		42200	40270		ug/Kg		95	20 - 141	17	50
Xylenes, Total	ND		127000	117700		ug/Kg		93	25 - 162	17	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: 490-22570-16 MSD
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: MW-10 (70-72)
Prep Type: Total/NA
Prep Batch: 67338

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 490-67975/7
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/27/13 00:43	1
1,1-Dichloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,1-Dichloroethene	ND		100		ug/Kg			03/27/13 00:43	1
1,1-Dichloropropene	ND		100		ug/Kg			03/27/13 00:43	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/27/13 00:43	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/27/13 00:43	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/27/13 00:43	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,2-Dichloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,2-Dichloropropane	ND		100		ug/Kg			03/27/13 00:43	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,3-Dichloropropane	ND		100		ug/Kg			03/27/13 00:43	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
2,2-Dichloropropane	ND		100		ug/Kg			03/27/13 00:43	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/27/13 00:43	1
2-Chlorotoluene	ND		100		ug/Kg			03/27/13 00:43	1
2-Hexanone	ND		2500		ug/Kg			03/27/13 00:43	1
4-Chlorotoluene	ND		100		ug/Kg			03/27/13 00:43	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/27/13 00:43	1
Acetone	ND		2500		ug/Kg			03/27/13 00:43	1
Benzene	ND		100		ug/Kg			03/27/13 00:43	1
Bromobenzene	ND		100		ug/Kg			03/27/13 00:43	1
Bromochloromethane	ND		100		ug/Kg			03/27/13 00:43	1
Bromodichloromethane	ND		100		ug/Kg			03/27/13 00:43	1
Bromoform	ND		100		ug/Kg			03/27/13 00:43	1
Bromomethane	ND		100		ug/Kg			03/27/13 00:43	1
Carbon disulfide	ND		250		ug/Kg			03/27/13 00:43	1
Carbon tetrachloride	ND		100		ug/Kg			03/27/13 00:43	1
Chlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
Chlorodibromomethane	ND		100		ug/Kg			03/27/13 00:43	1
Chloroethane	ND		250		ug/Kg			03/27/13 00:43	1
Chloroform	ND		100		ug/Kg			03/27/13 00:43	1
Chloromethane	ND		100		ug/Kg			03/27/13 00:43	1

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

Lab Sample ID: MB 490-67975/7
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 00:43	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 00:43	1
Dibromomethane	ND		100		ug/Kg			03/27/13 00:43	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/27/13 00:43	1
Ethylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
Hexachlorobutadiene	ND		250		ug/Kg			03/27/13 00:43	1
Isopropylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/27/13 00:43	1
Methylene Chloride	ND		500		ug/Kg			03/27/13 00:43	1
Naphthalene	ND		250		ug/Kg			03/27/13 00:43	1
n-Butylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
N-Propylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
p-Isopropyltoluene	ND		100		ug/Kg			03/27/13 00:43	1
sec-Butylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
Styrene	ND		100		ug/Kg			03/27/13 00:43	1
tert-Butylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
Tetrachloroethene	ND		100		ug/Kg			03/27/13 00:43	1
Toluene	ND		100		ug/Kg			03/27/13 00:43	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 00:43	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 00:43	1
Trichloroethene	ND		100		ug/Kg			03/27/13 00:43	1
Trichlorofluoromethane	ND		100		ug/Kg			03/27/13 00:43	1
Vinyl chloride	ND		100		ug/Kg			03/27/13 00:43	1
Xylenes, Total	ND		250		ug/Kg			03/27/13 00:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/27/13 00:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/27/13 00:43*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/27/13 00:43*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/27/13 00:43*	*1*

Lab Sample ID: LCS 490-67975/3
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	46.28		ug/Kg		93	80 - 136
1,1,1-Trichloroethane	50.0	53.78		ug/Kg		108	72 - 140
1,1,2,2-Tetrachloroethane	50.0	45.31		ug/Kg		91	66 - 134
1,1,2-Trichloroethane	50.0	46.72		ug/Kg		93	78 - 128
1,1-Dichloroethane	50.0	51.84		ug/Kg		104	75 - 124
1,1-Dichloroethene	50.0	60.44		ug/Kg		121	75 - 131
1,1-Dichloropropene	50.0	51.98		ug/Kg		104	79 - 127
1,2,3-Trichlorobenzene	50.0	50.76		ug/Kg		102	70 - 150
1,2,3-Trichloropropane	50.0	41.80		ug/Kg		84	65 - 139
1,2,4-Trichlorobenzene	50.0	50.30		ug/Kg		101	62 - 150
1,2,4-Trimethylbenzene	50.0	42.57		ug/Kg		85	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	46.73		ug/Kg		93	49 - 142

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

Lab Sample ID: LCS 490-67975/3
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	50.0	50.45		ug/Kg		101	80 - 135
1,2-Dichlorobenzene	50.0	45.72		ug/Kg		91	80 - 134
1,2-Dichloroethane	50.0	53.04		ug/Kg		106	65 - 134
1,2-Dichloropropane	50.0	47.05		ug/Kg		94	69 - 120
1,3,5-Trimethylbenzene	50.0	42.74		ug/Kg		85	78 - 138
1,3-Dichlorobenzene	50.0	45.34		ug/Kg		91	79 - 137
1,3-Dichloropropane	50.0	46.49		ug/Kg		93	78 - 126
1,4-Dichlorobenzene	50.0	44.18		ug/Kg		88	77 - 139
2,2-Dichloropropane	50.0	48.40		ug/Kg		97	68 - 145
2-Butanone (MEK)	250	295.1		ug/Kg		118	61 - 132
2-Chlorotoluene	50.0	41.56		ug/Kg		83	78 - 132
2-Hexanone	250	249.9		ug/Kg		100	57 - 148
4-Chlorotoluene	50.0	41.51		ug/Kg		83	77 - 138
4-Methyl-2-pentanone (MIBK)	250	262.6		ug/Kg		105	59 - 138
Acetone	250	260.9		ug/Kg		104	51 - 149
Benzene	50.0	51.31		ug/Kg		103	75 - 127
Bromobenzene	50.0	42.05		ug/Kg		84	75 - 130
Bromochloromethane	50.0	56.15		ug/Kg		112	70 - 132
Bromodichloromethane	50.0	50.68		ug/Kg		101	68 - 135
Bromoform	50.0	41.43		ug/Kg		83	36 - 150
Bromomethane	50.0	62.49		ug/Kg		125	43 - 142
Carbon disulfide	50.0	43.18		ug/Kg		86	74 - 135
Carbon tetrachloride	50.0	49.92		ug/Kg		100	70 - 141
Chlorobenzene	50.0	47.39		ug/Kg		95	84 - 125
Chlorodibromomethane	50.0	44.65		ug/Kg		89	66 - 134
Chloroethane	50.0	52.21		ug/Kg		104	53 - 144
Chloroform	50.0	51.64		ug/Kg		103	76 - 130
Chloromethane	50.0	38.08		ug/Kg		76	23 - 150
cis-1,2-Dichloroethene	50.0	49.41		ug/Kg		99	75 - 125
cis-1,3-Dichloropropene	50.0	45.32		ug/Kg		91	73 - 148
Dibromomethane	50.0	52.84		ug/Kg		106	71 - 130
Dichlorodifluoromethane	50.0	51.09		ug/Kg		102	12 - 144
Ethylbenzene	50.0	46.34		ug/Kg		93	80 - 134
Hexachlorobutadiene	50.0	46.75		ug/Kg		94	65 - 148
Isopropylbenzene	50.0	47.07		ug/Kg		94	80 - 150
Methyl tert-butyl ether	50.0	51.87		ug/Kg		104	70 - 136
Methylene Chloride	50.0	54.00		ug/Kg		108	68 - 144
Naphthalene	50.0	49.40		ug/Kg		99	69 - 150
n-Butylbenzene	50.0	42.96		ug/Kg		86	72 - 152
N-Propylbenzene	50.0	41.94		ug/Kg		84	75 - 137
p-Isopropyltoluene	50.0	42.29		ug/Kg		85	77 - 141
sec-Butylbenzene	50.0	43.00		ug/Kg		86	79 - 141
Styrene	50.0	47.30		ug/Kg		95	82 - 137
tert-Butylbenzene	50.0	43.37		ug/Kg		87	80 - 132
Tetrachloroethene	50.0	53.37		ug/Kg		107	78 - 140
Toluene	50.0	47.70		ug/Kg		95	80 - 132
trans-1,2-Dichloroethene	50.0	53.82		ug/Kg		108	76 - 128
trans-1,3-Dichloropropene	50.0	40.37		ug/Kg		81	62 - 139

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

Lab Sample ID: LCS 490-67975/3
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	55.79		ug/Kg		112	77 - 127
Trichlorofluoromethane	50.0	51.06		ug/Kg		102	50 - 140
Vinyl chloride	50.0	46.14		ug/Kg		92	47 - 136
Xylenes, Total	150	138.6		ug/Kg		92	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 490-68052/6
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/27/13 13:15	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/27/13 13:15	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/27/13 13:15	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/27/13 13:15	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/27/13 13:15	1
2-Hexanone	ND		50.0		ug/Kg			03/27/13 13:15	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/27/13 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/27/13 13:15	1
Acetone	ND		50.0		ug/Kg			03/27/13 13:15	1
Benzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Bromobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Bromochloromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Bromodichloromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Bromoform	ND		2.00		ug/Kg			03/27/13 13:15	1

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

Lab Sample ID: MB 490-68052/6
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Carbon disulfide	ND		5.00		ug/Kg			03/27/13 13:15	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/27/13 13:15	1
Chlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Chloroethane	ND		5.00		ug/Kg			03/27/13 13:15	1
Chloroform	ND		2.00		ug/Kg			03/27/13 13:15	1
Chloromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/27/13 13:15	1
Dibromomethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Ethylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/27/13 13:15	1
Isopropylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/27/13 13:15	1
Methylene Chloride	ND		10.0		ug/Kg			03/27/13 13:15	1
Naphthalene	ND		5.00		ug/Kg			03/27/13 13:15	1
n-Butylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
N-Propylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/27/13 13:15	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Styrene	ND		2.00		ug/Kg			03/27/13 13:15	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Tetrachloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
Toluene	ND		2.00		ug/Kg			03/27/13 13:15	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/27/13 13:15	1
Trichloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Vinyl chloride	ND		2.00		ug/Kg			03/27/13 13:15	1
Xylenes, Total	ND		5.00		ug/Kg			03/27/13 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/27/13 13:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/27/13 13:15*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/27/13 13:15*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/27/13 13:15*	*1*

Lab Sample ID: MB 490-68052/7
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/27/13 13:46	1

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

Lab Sample ID: MB 490-68052/7
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,1-Dichloroethene	ND		100		ug/Kg			03/27/13 13:46	1
1,1-Dichloropropene	ND		100		ug/Kg			03/27/13 13:46	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/27/13 13:46	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/27/13 13:46	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/27/13 13:46	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,2-Dichloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,2-Dichloropropane	ND		100		ug/Kg			03/27/13 13:46	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,3-Dichloropropane	ND		100		ug/Kg			03/27/13 13:46	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
2,2-Dichloropropane	ND		100		ug/Kg			03/27/13 13:46	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/27/13 13:46	1
2-Chlorotoluene	ND		100		ug/Kg			03/27/13 13:46	1
2-Hexanone	ND		2500		ug/Kg			03/27/13 13:46	1
4-Chlorotoluene	ND		100		ug/Kg			03/27/13 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/27/13 13:46	1
Acetone	ND		2500		ug/Kg			03/27/13 13:46	1
Benzene	ND		100		ug/Kg			03/27/13 13:46	1
Bromobenzene	ND		100		ug/Kg			03/27/13 13:46	1
Bromochloromethane	ND		100		ug/Kg			03/27/13 13:46	1
Bromodichloromethane	ND		100		ug/Kg			03/27/13 13:46	1
Bromoform	ND		100		ug/Kg			03/27/13 13:46	1
Bromomethane	ND		100		ug/Kg			03/27/13 13:46	1
Carbon disulfide	ND		250		ug/Kg			03/27/13 13:46	1
Carbon tetrachloride	ND		100		ug/Kg			03/27/13 13:46	1
Chlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
Chlorodibromomethane	ND		100		ug/Kg			03/27/13 13:46	1
Chloroethane	ND		250		ug/Kg			03/27/13 13:46	1
Chloroform	ND		100		ug/Kg			03/27/13 13:46	1
Chloromethane	ND		100		ug/Kg			03/27/13 13:46	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 13:46	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 13:46	1
Dibromomethane	ND		100		ug/Kg			03/27/13 13:46	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/27/13 13:46	1
Ethylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
Hexachlorobutadiene	ND		250		ug/Kg			03/27/13 13:46	1
Isopropylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/27/13 13:46	1
Methylene Chloride	ND		500		ug/Kg			03/27/13 13:46	1
Naphthalene	ND		250		ug/Kg			03/27/13 13:46	1
n-Butylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
N-Propylbenzene	ND		100		ug/Kg			03/27/13 13:46	1

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

Lab Sample ID: MB 490-68052/7
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		100		ug/Kg			03/27/13 13:46	1
sec-Butylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
Styrene	ND		100		ug/Kg			03/27/13 13:46	1
tert-Butylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
Tetrachloroethene	ND		100		ug/Kg			03/27/13 13:46	1
Toluene	ND		100		ug/Kg			03/27/13 13:46	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 13:46	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 13:46	1
Trichloroethene	ND		100		ug/Kg			03/27/13 13:46	1
Trichlorofluoromethane	ND		100		ug/Kg			03/27/13 13:46	1
Vinyl chloride	ND		100		ug/Kg			03/27/13 13:46	1
Xylenes, Total	ND		250		ug/Kg			03/27/13 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/27/13 13:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/27/13 13:46*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/27/13 13:46*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/27/13 13:46*	*1*

Lab Sample ID: LCS 490-68052/3
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.52		ug/Kg		97	80 - 136
1,1,1-Trichloroethane	50.0	56.47		ug/Kg		113	72 - 140
1,1,2,2-Tetrachloroethane	50.0	45.61		ug/Kg		91	66 - 134
1,1,2-Trichloroethane	50.0	49.58		ug/Kg		99	78 - 128
1,1-Dichloroethane	50.0	54.44		ug/Kg		109	75 - 124
1,1-Dichloroethene	50.0	63.61		ug/Kg		127	75 - 131
1,1-Dichloropropene	50.0	54.40		ug/Kg		109	79 - 127
1,2,3-Trichlorobenzene	50.0	54.81		ug/Kg		110	70 - 150
1,2,3-Trichloropropane	50.0	43.51		ug/Kg		87	65 - 139
1,2,4-Trichlorobenzene	50.0	54.87		ug/Kg		110	62 - 150
1,2,4-Trimethylbenzene	50.0	43.18		ug/Kg		86	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	49.06		ug/Kg		98	49 - 142
1,2-Dibromoethane (EDB)	50.0	53.87		ug/Kg		108	80 - 135
1,2-Dichlorobenzene	50.0	47.41		ug/Kg		95	80 - 134
1,2-Dichloroethane	50.0	56.58		ug/Kg		113	65 - 134
1,2-Dichloropropane	50.0	49.22		ug/Kg		98	69 - 120
1,3,5-Trimethylbenzene	50.0	43.67		ug/Kg		87	78 - 138
1,3-Dichlorobenzene	50.0	46.83		ug/Kg		94	79 - 137
1,3-Dichloropropane	50.0	48.98		ug/Kg		98	78 - 126
1,4-Dichlorobenzene	50.0	46.88		ug/Kg		94	77 - 139
2,2-Dichloropropane	50.0	51.15		ug/Kg		102	68 - 145
2-Butanone (MEK)	250	305.9		ug/Kg		122	61 - 132
2-Chlorotoluene	50.0	42.23		ug/Kg		84	78 - 132
2-Hexanone	250	256.6		ug/Kg		103	57 - 148

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

Lab Sample ID: LCS 490-68052/3
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	43.31		ug/Kg		87	77 - 138
4-Methyl-2-pentanone (MIBK)	250	273.0		ug/Kg		109	59 - 138
Acetone	250	267.8		ug/Kg		107	51 - 149
Benzene	50.0	53.84		ug/Kg		108	75 - 127
Bromobenzene	50.0	43.09		ug/Kg		86	75 - 130
Bromochloromethane	50.0	59.78		ug/Kg		120	70 - 132
Bromodichloromethane	50.0	54.32		ug/Kg		109	68 - 135
Bromoform	50.0	46.28		ug/Kg		93	36 - 150
Bromomethane	50.0	68.50		ug/Kg		137	43 - 142
Carbon disulfide	50.0	45.84		ug/Kg		92	74 - 135
Carbon tetrachloride	50.0	53.98		ug/Kg		108	70 - 141
Chlorobenzene	50.0	49.14		ug/Kg		98	84 - 125
Chlorodibromomethane	50.0	49.06		ug/Kg		98	66 - 134
Chloroethane	50.0	56.02		ug/Kg		112	53 - 144
Chloroform	50.0	54.21		ug/Kg		108	76 - 130
Chloromethane	50.0	40.50		ug/Kg		81	23 - 150
cis-1,2-Dichloroethene	50.0	51.88		ug/Kg		104	75 - 125
cis-1,3-Dichloropropene	50.0	47.91		ug/Kg		96	73 - 148
Dibromomethane	50.0	57.29		ug/Kg		115	71 - 130
Dichlorodifluoromethane	50.0	56.01		ug/Kg		112	12 - 144
Ethylbenzene	50.0	47.94		ug/Kg		96	80 - 134
Hexachlorobutadiene	50.0	49.57		ug/Kg		99	65 - 148
Isopropylbenzene	50.0	48.28		ug/Kg		97	80 - 150
Methyl tert-butyl ether	50.0	54.55		ug/Kg		109	70 - 136
Methylene Chloride	50.0	58.23		ug/Kg		116	68 - 144
Naphthalene	50.0	51.95		ug/Kg		104	69 - 150
n-Butylbenzene	50.0	44.44		ug/Kg		89	72 - 152
N-Propylbenzene	50.0	42.64		ug/Kg		85	75 - 137
p-Isopropyltoluene	50.0	43.42		ug/Kg		87	77 - 141
sec-Butylbenzene	50.0	44.09		ug/Kg		88	79 - 141
Styrene	50.0	48.64		ug/Kg		97	82 - 137
tert-Butylbenzene	50.0	44.03		ug/Kg		88	80 - 132
Tetrachloroethene	50.0	55.40		ug/Kg		111	78 - 140
Toluene	50.0	53.01		ug/Kg		106	80 - 132
trans-1,2-Dichloroethene	50.0	56.44		ug/Kg		113	76 - 128
trans-1,3-Dichloropropene	50.0	43.11		ug/Kg		86	62 - 139
Trichloroethene	50.0	58.45		ug/Kg		117	77 - 127
Trichlorofluoromethane	50.0	52.88		ug/Kg		106	50 - 140
Vinyl chloride	50.0	50.16		ug/Kg		100	47 - 136
Xylenes, Total	150	142.7		ug/Kg		95	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

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

Lab Sample ID: LCSD 490-68052/4
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	50.76		ug/Kg		102	80 - 136	5	50
1,1,1-Trichloroethane	50.0	61.09		ug/Kg		122	72 - 140	8	50
1,1,2,2-Tetrachloroethane	50.0	46.44		ug/Kg		93	66 - 134	2	50
1,1,2-Trichloroethane	50.0	49.20		ug/Kg		98	78 - 128	1	50
1,1-Dichloroethane	50.0	58.32		ug/Kg		117	75 - 124	7	50
1,1-Dichloroethene	50.0	69.11	*	ug/Kg		138	75 - 131	8	50
1,1-Dichloropropene	50.0	58.90		ug/Kg		118	79 - 127	8	50
1,2,3-Trichlorobenzene	50.0	54.55		ug/Kg		109	70 - 150	0	50
1,2,3-Trichloropropane	50.0	43.20		ug/Kg		86	65 - 139	1	50
1,2,4-Trichlorobenzene	50.0	55.91		ug/Kg		112	62 - 150	2	50
1,2,4-Trimethylbenzene	50.0	46.74		ug/Kg		93	77 - 139	8	50
1,2-Dibromo-3-Chloropropane	50.0	50.29		ug/Kg		101	49 - 142	2	50
1,2-Dibromoethane (EDB)	50.0	52.48		ug/Kg		105	80 - 135	3	50
1,2-Dichlorobenzene	50.0	49.09		ug/Kg		98	80 - 134	3	50
1,2-Dichloroethane	50.0	56.13		ug/Kg		112	65 - 134	1	50
1,2-Dichloropropane	50.0	50.99		ug/Kg		102	69 - 120	4	50
1,3,5-Trimethylbenzene	50.0	47.42		ug/Kg		95	78 - 138	8	50
1,3-Dichlorobenzene	50.0	49.71		ug/Kg		99	79 - 137	6	50
1,3-Dichloropropane	50.0	48.65		ug/Kg		97	78 - 126	1	42
1,4-Dichlorobenzene	50.0	50.02		ug/Kg		100	77 - 139	6	50
2,2-Dichloropropane	50.0	54.88		ug/Kg		110	68 - 145	7	50
2-Butanone (MEK)	250	329.6		ug/Kg		132	61 - 132	7	50
2-Chlorotoluene	50.0	46.15		ug/Kg		92	78 - 132	9	50
2-Hexanone	250	259.8		ug/Kg		104	57 - 148	1	50
4-Chlorotoluene	50.0	46.08		ug/Kg		92	77 - 138	6	50
4-Methyl-2-pentanone (MIBK)	250	271.0		ug/Kg		108	59 - 138	1	50
Acetone	250	296.2		ug/Kg		118	51 - 149	10	50
Benzene	50.0	57.99		ug/Kg		116	75 - 127	7	50
Bromobenzene	50.0	45.07		ug/Kg		90	75 - 130	5	50
Bromochloromethane	50.0	61.10		ug/Kg		122	70 - 132	2	50
Bromodichloromethane	50.0	55.31		ug/Kg		111	68 - 135	2	50
Bromoform	50.0	43.40		ug/Kg		87	36 - 150	6	50
Bromomethane	50.0	74.77	*	ug/Kg		150	43 - 142	9	50
Carbon disulfide	50.0	50.28		ug/Kg		101	74 - 135	9	50
Carbon tetrachloride	50.0	58.16		ug/Kg		116	70 - 141	7	50
Chlorobenzene	50.0	52.41		ug/Kg		105	84 - 125	6	50
Chlorodibromomethane	50.0	48.38		ug/Kg		97	66 - 134	1	50
Chloroethane	50.0	61.61		ug/Kg		123	53 - 144	9	50
Chloroform	50.0	57.51		ug/Kg		115	76 - 130	6	49
Chloromethane	50.0	44.20		ug/Kg		88	23 - 150	9	50
cis-1,2-Dichloroethene	50.0	55.31		ug/Kg		111	75 - 125	6	50
cis-1,3-Dichloropropene	50.0	49.43		ug/Kg		99	73 - 148	3	50
Dibromomethane	50.0	55.69		ug/Kg		111	71 - 130	3	50
Dichlorodifluoromethane	50.0	59.29		ug/Kg		119	12 - 144	6	50
Ethylbenzene	50.0	51.63		ug/Kg		103	80 - 134	7	50
Hexachlorobutadiene	50.0	53.19		ug/Kg		106	65 - 148	7	50
Isopropylbenzene	50.0	51.37		ug/Kg		103	80 - 150	6	50
Methyl tert-butyl ether	50.0	52.00		ug/Kg		104	70 - 136	5	50

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

Lab Sample ID: LCSD 490-68052/4
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride			50.0	60.24		ug/Kg		120	68 - 144	3	50
Naphthalene			50.0	50.78		ug/Kg		102	69 - 150	2	50
n-Butylbenzene			50.0	48.50		ug/Kg		97	72 - 152	9	50
N-Propylbenzene			50.0	46.93		ug/Kg		94	75 - 137	10	50
p-Isopropyltoluene			50.0	47.22		ug/Kg		94	77 - 141	8	50
sec-Butylbenzene			50.0	48.30		ug/Kg		97	79 - 141	9	50
Styrene			50.0	51.66		ug/Kg		103	82 - 137	6	50
tert-Butylbenzene			50.0	48.20		ug/Kg		96	80 - 132	9	50
Tetrachloroethene			50.0	59.00		ug/Kg		118	78 - 140	6	50
Toluene			50.0	55.92		ug/Kg		112	80 - 132	5	50
trans-1,2-Dichloroethene			50.0	61.00		ug/Kg		122	76 - 128	8	50
trans-1,3-Dichloropropene			50.0	43.06		ug/Kg		86	62 - 139	0	50
Trichloroethene			50.0	62.66		ug/Kg		125	77 - 127	7	50
Trichlorofluoromethane			50.0	58.83		ug/Kg		118	50 - 140	11	50
Vinyl chloride			50.0	54.68		ug/Kg		109	47 - 136	9	50
Xylenes, Total			150	152.4		ug/Kg		102	80 - 137	7	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 490-68207/10
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/27/13 19:40	1
1,1-Dichloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,1-Dichloroethene	ND		100		ug/Kg			03/27/13 19:40	1
1,1-Dichloropropene	ND		100		ug/Kg			03/27/13 19:40	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/27/13 19:40	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/27/13 19:40	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/27/13 19:40	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,2-Dichloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,2-Dichloropropane	ND		100		ug/Kg			03/27/13 19:40	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,3-Dichloropropane	ND		100		ug/Kg			03/27/13 19:40	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1

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

Lab Sample ID: MB 490-68207/10
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		100		ug/Kg			03/27/13 19:40	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/27/13 19:40	1
2-Chlorotoluene	ND		100		ug/Kg			03/27/13 19:40	1
2-Hexanone	ND		2500		ug/Kg			03/27/13 19:40	1
4-Chlorotoluene	ND		100		ug/Kg			03/27/13 19:40	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/27/13 19:40	1
Acetone	ND		2500		ug/Kg			03/27/13 19:40	1
Benzene	ND		100		ug/Kg			03/27/13 19:40	1
Bromobenzene	ND		100		ug/Kg			03/27/13 19:40	1
Bromochloromethane	ND		100		ug/Kg			03/27/13 19:40	1
Bromodichloromethane	ND		100		ug/Kg			03/27/13 19:40	1
Bromoform	ND		100		ug/Kg			03/27/13 19:40	1
Bromomethane	ND		100		ug/Kg			03/27/13 19:40	1
Carbon disulfide	ND		250		ug/Kg			03/27/13 19:40	1
Carbon tetrachloride	ND		100		ug/Kg			03/27/13 19:40	1
Chlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
Chlorodibromomethane	ND		100		ug/Kg			03/27/13 19:40	1
Chloroethane	ND		250		ug/Kg			03/27/13 19:40	1
Chloroform	ND		100		ug/Kg			03/27/13 19:40	1
Chloromethane	ND		100		ug/Kg			03/27/13 19:40	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 19:40	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 19:40	1
Dibromomethane	ND		100		ug/Kg			03/27/13 19:40	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/27/13 19:40	1
Ethylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
Hexachlorobutadiene	ND		250		ug/Kg			03/27/13 19:40	1
Isopropylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/27/13 19:40	1
Methylene Chloride	ND		500		ug/Kg			03/27/13 19:40	1
Naphthalene	ND		250		ug/Kg			03/27/13 19:40	1
n-Butylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
N-Propylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
p-Isopropyltoluene	ND		100		ug/Kg			03/27/13 19:40	1
sec-Butylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
Styrene	ND		100		ug/Kg			03/27/13 19:40	1
tert-Butylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
Tetrachloroethene	ND		100		ug/Kg			03/27/13 19:40	1
Toluene	ND		100		ug/Kg			03/27/13 19:40	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 19:40	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 19:40	1
Trichloroethene	ND		100		ug/Kg			03/27/13 19:40	1
Trichlorofluoromethane	ND		100		ug/Kg			03/27/13 19:40	1
Vinyl chloride	ND		100		ug/Kg			03/27/13 19:40	1
Xylenes, Total	ND		250		ug/Kg			03/27/13 19:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*70 - 130*		*03/27/13 19:40*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*03/27/13 19:40*	*1*

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

Lab Sample ID: MB 490-68207/10
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94		70 - 130		03/27/13 19:40	1
Toluene-d8 (Surr)	107		70 - 130		03/27/13 19:40	1

Lab Sample ID: LCS 490-68207/6
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.85		ug/Kg		98	80 - 136
1,1,1-Trichloroethane	50.0	50.54		ug/Kg		101	72 - 140
1,1,2,2-Tetrachloroethane	50.0	62.84		ug/Kg		126	66 - 134
1,1,2-Trichloroethane	50.0	51.30		ug/Kg		103	78 - 128
1,1-Dichloroethane	50.0	59.18		ug/Kg		118	75 - 124
1,1-Dichloroethene	50.0	55.45		ug/Kg		111	75 - 131
1,1-Dichloropropene	50.0	51.59		ug/Kg		103	79 - 127
1,2,3-Trichlorobenzene	50.0	56.57		ug/Kg		113	70 - 150
1,2,3-Trichloropropane	50.0	54.60		ug/Kg		109	65 - 139
1,2,4-Trichlorobenzene	50.0	57.85		ug/Kg		116	62 - 150
1,2,4-Trimethylbenzene	50.0	54.74		ug/Kg		109	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	56.36		ug/Kg		113	49 - 142
1,2-Dibromoethane (EDB)	50.0	54.66		ug/Kg		109	80 - 135
1,2-Dichlorobenzene	50.0	54.96		ug/Kg		110	80 - 134
1,2-Dichloroethane	50.0	59.08		ug/Kg		118	65 - 134
1,2-Dichloropropane	50.0	56.04		ug/Kg		112	69 - 120
1,3,5-Trimethylbenzene	50.0	52.94		ug/Kg		106	78 - 138
1,3-Dichlorobenzene	50.0	52.79		ug/Kg		106	79 - 137
1,3-Dichloropropane	50.0	59.62		ug/Kg		119	78 - 126
1,4-Dichlorobenzene	50.0	54.36		ug/Kg		109	77 - 139
2,2-Dichloropropane	50.0	54.07		ug/Kg		108	68 - 145
2-Butanone (MEK)	250	292.7		ug/Kg		117	61 - 132
2-Chlorotoluene	50.0	54.99		ug/Kg		110	78 - 132
2-Hexanone	250	352.6		ug/Kg		141	57 - 148
4-Chlorotoluene	50.0	55.32		ug/Kg		111	77 - 138
4-Methyl-2-pentanone (MIBK)	250	343.0		ug/Kg		137	59 - 138
Acetone	250	289.3		ug/Kg		116	51 - 149
Benzene	50.0	51.76		ug/Kg		104	75 - 127
Bromobenzene	50.0	59.21		ug/Kg		118	75 - 130
Bromochloromethane	50.0	49.85		ug/Kg		100	70 - 132
Bromodichloromethane	50.0	55.71		ug/Kg		111	68 - 135
Bromoform	50.0	54.81		ug/Kg		110	36 - 150
Bromomethane	50.0	45.91		ug/Kg		92	43 - 142
Carbon disulfide	50.0	48.51		ug/Kg		97	74 - 135
Carbon tetrachloride	50.0	47.08		ug/Kg		94	70 - 141
Chlorobenzene	50.0	52.21		ug/Kg		104	84 - 125
Chlorodibromomethane	50.0	52.41		ug/Kg		105	66 - 134
Chloroethane	50.0	53.80		ug/Kg		108	53 - 144
Chloroform	50.0	53.66		ug/Kg		107	76 - 130
Chloromethane	50.0	49.15		ug/Kg		98	23 - 150

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

Lab Sample ID: LCS 490-68207/6
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	56.91		ug/Kg		114	75 - 125
cis-1,3-Dichloropropene	50.0	59.38		ug/Kg		119	73 - 148
Dibromomethane	50.0	51.55		ug/Kg		103	71 - 130
Dichlorodifluoromethane	50.0	46.33		ug/Kg		93	12 - 144
Ethylbenzene	50.0	53.54		ug/Kg		107	80 - 134
Hexachlorobutadiene	50.0	47.83		ug/Kg		96	65 - 148
Isopropylbenzene	50.0	54.29		ug/Kg		109	80 - 150
Methyl tert-butyl ether	50.0	59.92		ug/Kg		120	70 - 136
Methylene Chloride	50.0	55.85		ug/Kg		112	68 - 144
Naphthalene	50.0	57.83		ug/Kg		116	69 - 150
n-Butylbenzene	50.0	56.82		ug/Kg		114	72 - 152
N-Propylbenzene	50.0	52.82		ug/Kg		106	75 - 137
p-Isopropyltoluene	50.0	52.05		ug/Kg		104	77 - 141
sec-Butylbenzene	50.0	53.94		ug/Kg		108	79 - 141
Styrene	50.0	54.62		ug/Kg		109	82 - 137
tert-Butylbenzene	50.0	52.00		ug/Kg		104	80 - 132
Tetrachloroethene	50.0	48.02		ug/Kg		96	78 - 140
Toluene	50.0	52.77		ug/Kg		106	80 - 132
trans-1,2-Dichloroethene	50.0	59.54		ug/Kg		119	76 - 128
trans-1,3-Dichloropropene	50.0	59.02		ug/Kg		118	62 - 139
Trichloroethene	50.0	44.56		ug/Kg		89	77 - 127
Trichlorofluoromethane	50.0	43.49		ug/Kg		87	50 - 140
Vinyl chloride	50.0	53.99		ug/Kg		108	47 - 136
Xylenes, Total	150	162.3		ug/Kg		108	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-68207/7
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	48.37		ug/Kg		97	80 - 136	1	50
1,1,1-Trichloroethane	50.0	47.39		ug/Kg		95	72 - 140	6	50
1,1,2,2-Tetrachloroethane	50.0	61.93		ug/Kg		124	66 - 134	1	50
1,1,2-Trichloroethane	50.0	52.82		ug/Kg		106	78 - 128	3	50
1,1-Dichloroethane	50.0	55.27		ug/Kg		111	75 - 124	7	50
1,1-Dichloroethene	50.0	51.26		ug/Kg		103	75 - 131	8	50
1,1-Dichloropropene	50.0	48.38		ug/Kg		97	79 - 127	6	50
1,2,3-Trichlorobenzene	50.0	52.79		ug/Kg		106	70 - 150	7	50
1,2,3-Trichloropropane	50.0	54.96		ug/Kg		110	65 - 139	1	50
1,2,4-Trichlorobenzene	50.0	53.35		ug/Kg		107	62 - 150	8	50
1,2,4-Trimethylbenzene	50.0	51.57		ug/Kg		103	77 - 139	6	50
1,2-Dibromo-3-Chloropropane	50.0	56.07		ug/Kg		112	49 - 142	1	50

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

Lab Sample ID: LCSD 490-68207/7
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	50.0	54.32		ug/Kg		109	80 - 135	1	50
1,2-Dichlorobenzene	50.0	52.15		ug/Kg		104	80 - 134	5	50
1,2-Dichloroethane	50.0	56.97		ug/Kg		114	65 - 134	4	50
1,2-Dichloropropane	50.0	56.17		ug/Kg		112	69 - 120	0	50
1,3,5-Trimethylbenzene	50.0	51.08		ug/Kg		102	78 - 138	4	50
1,3-Dichlorobenzene	50.0	50.41		ug/Kg		101	79 - 137	5	50
1,3-Dichloropropane	50.0	58.88		ug/Kg		118	78 - 126	1	42
1,4-Dichlorobenzene	50.0	50.52		ug/Kg		101	77 - 139	7	50
2,2-Dichloropropane	50.0	48.62		ug/Kg		97	68 - 145	11	50
2-Butanone (MEK)	250	274.2		ug/Kg		110	61 - 132	7	50
2-Chlorotoluene	50.0	51.96		ug/Kg		104	78 - 132	6	50
2-Hexanone	250	351.0		ug/Kg		140	57 - 148	0	50
4-Chlorotoluene	50.0	53.69		ug/Kg		107	77 - 138	3	50
4-Methyl-2-pentanone (MIBK)	250	350.0	*	ug/Kg		140	59 - 138	2	50
Acetone	250	273.9		ug/Kg		110	51 - 149	5	50
Benzene	50.0	50.00		ug/Kg		100	75 - 127	3	50
Bromobenzene	50.0	56.41		ug/Kg		113	75 - 130	5	50
Bromochloromethane	50.0	46.39		ug/Kg		93	70 - 132	7	50
Bromodichloromethane	50.0	57.40		ug/Kg		115	68 - 135	3	50
Bromoform	50.0	54.49		ug/Kg		109	36 - 150	1	50
Bromomethane	50.0	44.96		ug/Kg		90	43 - 142	2	50
Carbon disulfide	50.0	45.08		ug/Kg		90	74 - 135	7	50
Carbon tetrachloride	50.0	43.62		ug/Kg		87	70 - 141	8	50
Chlorobenzene	50.0	50.16		ug/Kg		100	84 - 125	4	50
Chlorodibromomethane	50.0	50.75		ug/Kg		102	66 - 134	3	50
Chloroethane	50.0	52.20		ug/Kg		104	53 - 144	3	50
Chloroform	50.0	49.88		ug/Kg		100	76 - 130	7	49
Chloromethane	50.0	51.28		ug/Kg		103	23 - 150	4	50
cis-1,2-Dichloroethene	50.0	53.78		ug/Kg		108	75 - 125	6	50
cis-1,3-Dichloropropene	50.0	60.52		ug/Kg		121	73 - 148	2	50
Dibromomethane	50.0	53.06		ug/Kg		106	71 - 130	3	50
Dichlorodifluoromethane	50.0	44.78		ug/Kg		90	12 - 144	3	50
Ethylbenzene	50.0	51.87		ug/Kg		104	80 - 134	3	50
Hexachlorobutadiene	50.0	45.00		ug/Kg		90	65 - 148	6	50
Isopropylbenzene	50.0	51.71		ug/Kg		103	80 - 150	5	50
Methyl tert-butyl ether	50.0	56.45		ug/Kg		113	70 - 136	6	50
Methylene Chloride	50.0	52.36		ug/Kg		105	68 - 144	6	50
Naphthalene	50.0	56.96		ug/Kg		114	69 - 150	2	50
n-Butylbenzene	50.0	52.58		ug/Kg		105	72 - 152	8	50
N-Propylbenzene	50.0	51.82		ug/Kg		104	75 - 137	2	50
p-Isopropyltoluene	50.0	49.23		ug/Kg		98	77 - 141	6	50
sec-Butylbenzene	50.0	51.80		ug/Kg		104	79 - 141	4	50
Styrene	50.0	53.78		ug/Kg		108	82 - 137	2	50
tert-Butylbenzene	50.0	49.52		ug/Kg		99	80 - 132	5	50
Tetrachloroethene	50.0	44.15		ug/Kg		88	78 - 140	8	50
Toluene	50.0	53.47		ug/Kg		107	80 - 132	1	50
trans-1,2-Dichloroethene	50.0	57.71		ug/Kg		115	76 - 128	3	50
trans-1,3-Dichloropropene	50.0	59.40		ug/Kg		119	62 - 139	1	50

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

Lab Sample ID: LCSD 490-68207/7
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			50.0	43.17		ug/Kg		86	77 - 127	3	50
Trichlorofluoromethane			50.0	40.02		ug/Kg		80	50 - 140	8	50
Vinyl chloride			50.0	51.37		ug/Kg		103	47 - 136	5	50
Xylenes, Total			150	156.6		ug/Kg		104	80 - 137	4	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 490-68327/6
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/28/13 08:56	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/28/13 08:56	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 08:56	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/28/13 08:56	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 08:56	1
2-Hexanone	ND		50.0		ug/Kg			03/28/13 08:56	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 08:56	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/28/13 08:56	1
Acetone	ND		50.0		ug/Kg			03/28/13 08:56	1
Benzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Bromobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Bromochloromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Bromodichloromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Bromoform	ND		2.00		ug/Kg			03/28/13 08:56	1

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

Lab Sample ID: MB 490-68327/6
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Carbon disulfide	ND		5.00		ug/Kg			03/28/13 08:56	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/28/13 08:56	1
Chlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Chloroethane	ND		5.00		ug/Kg			03/28/13 08:56	1
Chloroform	ND		2.00		ug/Kg			03/28/13 08:56	1
Chloromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 08:56	1
Dibromomethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Ethylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/28/13 08:56	1
Isopropylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/28/13 08:56	1
Methylene Chloride	ND		10.0		ug/Kg			03/28/13 08:56	1
Naphthalene	ND		5.00		ug/Kg			03/28/13 08:56	1
n-Butylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
N-Propylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/28/13 08:56	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Styrene	ND		2.00		ug/Kg			03/28/13 08:56	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Tetrachloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
Toluene	ND		2.00		ug/Kg			03/28/13 08:56	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 08:56	1
Trichloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Vinyl chloride	ND		2.00		ug/Kg			03/28/13 08:56	1
Xylenes, Total	ND		5.00		ug/Kg			03/28/13 08:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*		*03/28/13 08:56*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*03/28/13 08:56*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*03/28/13 08:56*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*03/28/13 08:56*	*1*

Lab Sample ID: MB 490-68327/7
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/28/13 09:26	1

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

Lab Sample ID: MB 490-68327/7
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,1-Dichloroethene	ND		100		ug/Kg			03/28/13 09:26	1
1,1-Dichloropropene	ND		100		ug/Kg			03/28/13 09:26	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/28/13 09:26	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/28/13 09:26	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/28/13 09:26	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,2-Dichloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,2-Dichloropropane	ND		100		ug/Kg			03/28/13 09:26	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,3-Dichloropropane	ND		100		ug/Kg			03/28/13 09:26	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
2,2-Dichloropropane	ND		100		ug/Kg			03/28/13 09:26	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/28/13 09:26	1
2-Chlorotoluene	ND		100		ug/Kg			03/28/13 09:26	1
2-Hexanone	ND		2500		ug/Kg			03/28/13 09:26	1
4-Chlorotoluene	ND		100		ug/Kg			03/28/13 09:26	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/28/13 09:26	1
Acetone	ND		2500		ug/Kg			03/28/13 09:26	1
Benzene	ND		100		ug/Kg			03/28/13 09:26	1
Bromobenzene	ND		100		ug/Kg			03/28/13 09:26	1
Bromochloromethane	ND		100		ug/Kg			03/28/13 09:26	1
Bromodichloromethane	ND		100		ug/Kg			03/28/13 09:26	1
Bromoform	ND		100		ug/Kg			03/28/13 09:26	1
Bromomethane	ND		100		ug/Kg			03/28/13 09:26	1
Carbon disulfide	ND		250		ug/Kg			03/28/13 09:26	1
Carbon tetrachloride	ND		100		ug/Kg			03/28/13 09:26	1
Chlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
Chlorodibromomethane	ND		100		ug/Kg			03/28/13 09:26	1
Chloroethane	ND		250		ug/Kg			03/28/13 09:26	1
Chloroform	ND		100		ug/Kg			03/28/13 09:26	1
Chloromethane	ND		100		ug/Kg			03/28/13 09:26	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/28/13 09:26	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/28/13 09:26	1
Dibromomethane	ND		100		ug/Kg			03/28/13 09:26	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/28/13 09:26	1
Ethylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
Hexachlorobutadiene	ND		250		ug/Kg			03/28/13 09:26	1
Isopropylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/28/13 09:26	1
Methylene Chloride	ND		500		ug/Kg			03/28/13 09:26	1
Naphthalene	ND		250		ug/Kg			03/28/13 09:26	1
n-Butylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
N-Propylbenzene	ND		100		ug/Kg			03/28/13 09:26	1

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

Lab Sample ID: MB 490-68327/7
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		100		ug/Kg			03/28/13 09:26	1
sec-Butylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
Styrene	ND		100		ug/Kg			03/28/13 09:26	1
tert-Butylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
Tetrachloroethene	ND		100		ug/Kg			03/28/13 09:26	1
Toluene	ND		100		ug/Kg			03/28/13 09:26	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/28/13 09:26	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/28/13 09:26	1
Trichloroethene	ND		100		ug/Kg			03/28/13 09:26	1
Trichlorofluoromethane	ND		100		ug/Kg			03/28/13 09:26	1
Vinyl chloride	ND		100		ug/Kg			03/28/13 09:26	1
Xylenes, Total	ND		250		ug/Kg			03/28/13 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*		*03/28/13 09:26*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/28/13 09:26*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*03/28/13 09:26*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*03/28/13 09:26*	*1*

Lab Sample ID: LCS 490-68327/3
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.10		ug/Kg		96	80 - 136
1,1,1-Trichloroethane	50.0	50.74		ug/Kg		101	72 - 140
1,1,2,2-Tetrachloroethane	50.0	57.89		ug/Kg		116	66 - 134
1,1,2-Trichloroethane	50.0	53.37		ug/Kg		107	78 - 128
1,1-Dichloroethane	50.0	64.40	*	ug/Kg		129	75 - 124
1,1-Dichloroethene	50.0	59.43		ug/Kg		119	75 - 131
1,1-Dichloropropene	50.0	56.03		ug/Kg		112	79 - 127
1,2,3-Trichlorobenzene	50.0	52.35		ug/Kg		105	70 - 150
1,2,3-Trichloropropane	50.0	49.92		ug/Kg		100	65 - 139
1,2,4-Trichlorobenzene	50.0	52.70		ug/Kg		105	62 - 150
1,2,4-Trimethylbenzene	50.0	54.17		ug/Kg		108	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	46.54		ug/Kg		93	49 - 142
1,2-Dibromoethane (EDB)	50.0	51.94		ug/Kg		104	80 - 135
1,2-Dichlorobenzene	50.0	52.91		ug/Kg		106	80 - 134
1,2-Dichloroethane	50.0	61.52		ug/Kg		123	65 - 134
1,2-Dichloropropane	50.0	60.70	*	ug/Kg		121	69 - 120
1,3,5-Trimethylbenzene	50.0	54.49		ug/Kg		109	78 - 138
1,3-Dichlorobenzene	50.0	51.24		ug/Kg		102	79 - 137
1,3-Dichloropropane	50.0	60.23		ug/Kg		120	78 - 126
1,4-Dichlorobenzene	50.0	51.87		ug/Kg		104	77 - 139
2,2-Dichloropropane	50.0	55.53		ug/Kg		111	68 - 145
2-Butanone (MEK)	250	277.0		ug/Kg		111	61 - 132
2-Chlorotoluene	50.0	56.53		ug/Kg		113	78 - 132
2-Hexanone	250	345.2		ug/Kg		138	57 - 148

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

Lab Sample ID: LCS 490-68327/3
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	56.33		ug/Kg		113	77 - 138
4-Methyl-2-pentanone (MIBK)	250	345.1		ug/Kg		138	59 - 138
Acetone	250	275.1		ug/Kg		110	51 - 149
Benzene	50.0	55.70		ug/Kg		111	75 - 127
Bromobenzene	50.0	58.59		ug/Kg		117	75 - 130
Bromochloromethane	50.0	47.52		ug/Kg		95	70 - 132
Bromodichloromethane	50.0	54.41		ug/Kg		109	68 - 135
Bromoform	50.0	50.31		ug/Kg		101	36 - 150
Bromomethane	50.0	51.49		ug/Kg		103	43 - 142
Carbon disulfide	50.0	53.94		ug/Kg		108	74 - 135
Carbon tetrachloride	50.0	46.67		ug/Kg		93	70 - 141
Chlorobenzene	50.0	52.47		ug/Kg		105	84 - 125
Chlorodibromomethane	50.0	49.49		ug/Kg		99	66 - 134
Chloroethane	50.0	61.22		ug/Kg		122	53 - 144
Chloroform	50.0	54.05		ug/Kg		108	76 - 130
Chloromethane	50.0	64.56		ug/Kg		129	23 - 150
cis-1,2-Dichloroethene	50.0	61.15		ug/Kg		122	75 - 125
cis-1,3-Dichloropropene	50.0	58.16		ug/Kg		116	73 - 148
Dibromomethane	50.0	49.95		ug/Kg		100	71 - 130
Dichlorodifluoromethane	50.0	52.21		ug/Kg		104	12 - 144
Ethylbenzene	50.0	57.62		ug/Kg		115	80 - 134
Hexachlorobutadiene	50.0	50.39		ug/Kg		101	65 - 148
Isopropylbenzene	50.0	60.84		ug/Kg		122	80 - 150
Methyl tert-butyl ether	50.0	57.12		ug/Kg		114	70 - 136
Methylene Chloride	50.0	58.27		ug/Kg		117	68 - 144
Naphthalene	50.0	49.88		ug/Kg		100	69 - 150
n-Butylbenzene	50.0	56.74		ug/Kg		113	72 - 152
N-Propylbenzene	50.0	55.86		ug/Kg		112	75 - 137
p-Isopropyltoluene	50.0	52.24		ug/Kg		104	77 - 141
sec-Butylbenzene	50.0	55.79		ug/Kg		112	79 - 141
Styrene	50.0	57.27		ug/Kg		115	82 - 137
tert-Butylbenzene	50.0	53.88		ug/Kg		108	80 - 132
Tetrachloroethene	50.0	52.54		ug/Kg		105	78 - 140
Toluene	50.0	58.27		ug/Kg		117	80 - 132
trans-1,2-Dichloroethene	50.0	66.73	*	ug/Kg		133	76 - 128
trans-1,3-Dichloropropene	50.0	59.15		ug/Kg		118	62 - 139
Trichloroethene	50.0	46.46		ug/Kg		93	77 - 127
Trichlorofluoromethane	50.0	44.17		ug/Kg		88	50 - 140
Vinyl chloride	50.0	62.58		ug/Kg		125	47 - 136
Xylenes, Total	150	173.9		ug/Kg		116	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*

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

Lab Sample ID: LCSD 490-68327/4
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	49.56		ug/Kg		99	80 - 136	3	50
1,1,1-Trichloroethane	50.0	52.65		ug/Kg		105	72 - 140	4	50
1,1,2,2-Tetrachloroethane	50.0	59.23		ug/Kg		118	66 - 134	2	50
1,1,2-Trichloroethane	50.0	52.13		ug/Kg		104	78 - 128	2	50
1,1-Dichloroethane	50.0	65.15	*	ug/Kg		130	75 - 124	1	50
1,1-Dichloroethene	50.0	59.29		ug/Kg		119	75 - 131	0	50
1,1-Dichloropropene	50.0	56.57		ug/Kg		113	79 - 127	1	50
1,2,3-Trichlorobenzene	50.0	55.01		ug/Kg		110	70 - 150	5	50
1,2,3-Trichloropropane	50.0	48.66		ug/Kg		97	65 - 139	3	50
1,2,4-Trichlorobenzene	50.0	55.41		ug/Kg		111	62 - 150	5	50
1,2,4-Trimethylbenzene	50.0	54.63		ug/Kg		109	77 - 139	1	50
1,2-Dibromo-3-Chloropropane	50.0	53.61		ug/Kg		107	49 - 142	14	50
1,2-Dibromoethane (EDB)	50.0	53.75		ug/Kg		108	80 - 135	3	50
1,2-Dichlorobenzene	50.0	52.91		ug/Kg		106	80 - 134	0	50
1,2-Dichloroethane	50.0	62.02		ug/Kg		124	65 - 134	1	50
1,2-Dichloropropane	50.0	61.61	*	ug/Kg		123	69 - 120	1	50
1,3,5-Trimethylbenzene	50.0	54.91		ug/Kg		110	78 - 138	1	50
1,3-Dichlorobenzene	50.0	52.26		ug/Kg		105	79 - 137	2	50
1,3-Dichloropropane	50.0	58.55		ug/Kg		117	78 - 126	3	42
1,4-Dichlorobenzene	50.0	51.81		ug/Kg		104	77 - 139	0	50
2,2-Dichloropropane	50.0	56.37		ug/Kg		113	68 - 145	2	50
2-Butanone (MEK)	250	272.1		ug/Kg		109	61 - 132	2	50
2-Chlorotoluene	50.0	56.61		ug/Kg		113	78 - 132	0	50
2-Hexanone	250	351.5		ug/Kg		141	57 - 148	2	50
4-Chlorotoluene	50.0	55.90		ug/Kg		112	77 - 138	1	50
4-Methyl-2-pentanone (MIBK)	250	351.8	*	ug/Kg		141	59 - 138	2	50
Acetone	250	301.3		ug/Kg		121	51 - 149	9	50
Benzene	50.0	55.97		ug/Kg		112	75 - 127	0	50
Bromobenzene	50.0	59.53		ug/Kg		119	75 - 130	2	50
Bromochloromethane	50.0	48.39		ug/Kg		97	70 - 132	2	50
Bromodichloromethane	50.0	55.71		ug/Kg		111	68 - 135	2	50
Bromoform	50.0	53.25		ug/Kg		107	36 - 150	6	50
Bromomethane	50.0	52.29		ug/Kg		105	43 - 142	2	50
Carbon disulfide	50.0	53.82		ug/Kg		108	74 - 135	0	50
Carbon tetrachloride	50.0	47.07		ug/Kg		94	70 - 141	1	50
Chlorobenzene	50.0	53.39		ug/Kg		107	84 - 125	2	50
Chlorodibromomethane	50.0	48.16		ug/Kg		96	66 - 134	3	50
Chloroethane	50.0	63.49		ug/Kg		127	53 - 144	4	50
Chloroform	50.0	54.66		ug/Kg		109	76 - 130	1	49
Chloromethane	50.0	62.88		ug/Kg		126	23 - 150	3	50
cis-1,2-Dichloroethene	50.0	63.33	*	ug/Kg		127	75 - 125	4	50
cis-1,3-Dichloropropene	50.0	61.48		ug/Kg		123	73 - 148	6	50
Dibromomethane	50.0	51.88		ug/Kg		104	71 - 130	4	50
Dichlorodifluoromethane	50.0	51.91		ug/Kg		104	12 - 144	1	50
Ethylbenzene	50.0	58.49		ug/Kg		117	80 - 134	2	50
Hexachlorobutadiene	50.0	51.68		ug/Kg		103	65 - 148	3	50
Isopropylbenzene	50.0	58.99		ug/Kg		118	80 - 150	3	50
Methyl tert-butyl ether	50.0	59.60		ug/Kg		119	70 - 136	4	50

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

Lab Sample ID: LCSD 490-68327/4
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride			50.0	58.66		ug/Kg		117	68 - 144	1	50
Naphthalene			50.0	52.61		ug/Kg		105	69 - 150	5	50
n-Butylbenzene			50.0	57.62		ug/Kg		115	72 - 152	2	50
N-Propylbenzene			50.0	56.46		ug/Kg		113	75 - 137	1	50
p-Isopropyltoluene			50.0	52.66		ug/Kg		105	77 - 141	1	50
sec-Butylbenzene			50.0	56.94		ug/Kg		114	79 - 141	2	50
Styrene			50.0	57.95		ug/Kg		116	82 - 137	1	50
tert-Butylbenzene			50.0	53.77		ug/Kg		108	80 - 132	0	50
Tetrachloroethene			50.0	50.71		ug/Kg		101	78 - 140	4	50
Toluene			50.0	58.08		ug/Kg		116	80 - 132	0	50
trans-1,2-Dichloroethene			50.0	69.01	*	ug/Kg		138	76 - 128	3	50
trans-1,3-Dichloropropene			50.0	58.30		ug/Kg		117	62 - 139	1	50
Trichloroethene			50.0	47.54		ug/Kg		95	77 - 127	2	50
Trichlorofluoromethane			50.0	42.54		ug/Kg		85	50 - 140	4	50
Vinyl chloride			50.0	64.06		ug/Kg		128	47 - 136	2	50
Xylenes, Total			150	175.4		ug/Kg		117	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/28/13 11:31	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1

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

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/28/13 11:31	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
2-Hexanone	ND		50.0		ug/Kg			03/28/13 11:31	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/28/13 11:31	1
Acetone	ND		50.0		ug/Kg			03/28/13 11:31	1
Benzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromochloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromodichloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromoform	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Carbon disulfide	ND		5.00		ug/Kg			03/28/13 11:31	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/28/13 11:31	1
Chlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Chloroethane	ND		5.00		ug/Kg			03/28/13 11:31	1
Chloroform	ND		2.00		ug/Kg			03/28/13 11:31	1
Chloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
Dibromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Ethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/28/13 11:31	1
Isopropylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/28/13 11:31	1
Methylene Chloride	ND		10.0		ug/Kg			03/28/13 11:31	1
Naphthalene	ND		5.00		ug/Kg			03/28/13 11:31	1
n-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
N-Propylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Styrene	ND		2.00		ug/Kg			03/28/13 11:31	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Tetrachloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
Toluene	ND		2.00		ug/Kg			03/28/13 11:31	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
Trichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Vinyl chloride	ND		2.00		ug/Kg			03/28/13 11:31	1
Xylenes, Total	ND		5.00		ug/Kg			03/28/13 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/28/13 11:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*03/28/13 11:31*	*1*

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

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/28/13 11:31*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/28/13 11:31*	*1*

Lab Sample ID: LCS 490-68361/3
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.22		ug/Kg		88	80 - 136
1,1,1-Trichloroethane	50.0	51.64		ug/Kg		103	72 - 140
1,1,2,2-Tetrachloroethane	50.0	42.60		ug/Kg		85	66 - 134
1,1,2-Trichloroethane	50.0	45.35		ug/Kg		91	78 - 128
1,1-Dichloroethane	50.0	49.91		ug/Kg		100	75 - 124
1,1-Dichloroethene	50.0	58.24		ug/Kg		116	75 - 131
1,1-Dichloropropene	50.0	50.75		ug/Kg		101	79 - 127
1,2,3-Trichlorobenzene	50.0	51.83		ug/Kg		104	70 - 150
1,2,3-Trichloropropane	50.0	40.65		ug/Kg		81	65 - 139
1,2,4-Trichlorobenzene	50.0	53.04		ug/Kg		106	62 - 150
1,2,4-Trimethylbenzene	50.0	40.70		ug/Kg		81	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	46.52		ug/Kg		93	49 - 142
1,2-Dibromoethane (EDB)	50.0	48.85		ug/Kg		98	80 - 135
1,2-Dichlorobenzene	50.0	43.58		ug/Kg		87	80 - 134
1,2-Dichloroethane	50.0	51.75		ug/Kg		103	65 - 134
1,2-Dichloropropane	50.0	45.52		ug/Kg		91	69 - 120
1,3,5-Trimethylbenzene	50.0	41.09		ug/Kg		82	78 - 138
1,3-Dichlorobenzene	50.0	43.99		ug/Kg		88	79 - 137
1,3-Dichloropropane	50.0	44.27		ug/Kg		89	78 - 126
1,4-Dichlorobenzene	50.0	43.93		ug/Kg		88	77 - 139
2,2-Dichloropropane	50.0	46.94		ug/Kg		94	68 - 145
2-Butanone (MEK)	250	287.7		ug/Kg		115	61 - 132
2-Chlorotoluene	50.0	39.84		ug/Kg		80	78 - 132
2-Hexanone	250	235.9		ug/Kg		94	57 - 148
4-Chlorotoluene	50.0	41.00		ug/Kg		82	77 - 138
4-Methyl-2-pentanone (MIBK)	250	250.5		ug/Kg		100	59 - 138
Acetone	250	258.7		ug/Kg		103	51 - 149
Benzene	50.0	49.29		ug/Kg		99	75 - 127
Bromobenzene	50.0	39.83		ug/Kg		80	75 - 130
Bromochloromethane	50.0	54.66		ug/Kg		109	70 - 132
Bromodichloromethane	50.0	49.55		ug/Kg		99	68 - 135
Bromoform	50.0	42.04		ug/Kg		84	36 - 150
Bromomethane	50.0	60.16		ug/Kg		120	43 - 142
Carbon disulfide	50.0	42.54		ug/Kg		85	74 - 135
Carbon tetrachloride	50.0	49.53		ug/Kg		99	70 - 141
Chlorobenzene	50.0	45.10		ug/Kg		90	84 - 125
Chlorodibromomethane	50.0	44.65		ug/Kg		89	66 - 134
Chloroethane	50.0	50.71		ug/Kg		101	53 - 144
Chloroform	50.0	49.66		ug/Kg		99	76 - 130
Chloromethane	50.0	38.96		ug/Kg		78	23 - 150

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

Lab Sample ID: LCS 490-68361/3
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	47.72		ug/Kg		95	75 - 125
cis-1,3-Dichloropropene	50.0	42.88		ug/Kg		86	73 - 148
Dibromomethane	50.0	52.46		ug/Kg		105	71 - 130
Dichlorodifluoromethane	50.0	53.24		ug/Kg		106	12 - 144
Ethylbenzene	50.0	43.96		ug/Kg		88	80 - 134
Hexachlorobutadiene	50.0	48.36		ug/Kg		97	65 - 148
Isopropylbenzene	50.0	44.63		ug/Kg		89	80 - 150
Methyl tert-butyl ether	50.0	49.23		ug/Kg		98	70 - 136
Methylene Chloride	50.0	52.55		ug/Kg		105	68 - 144
Naphthalene	50.0	49.34		ug/Kg		99	69 - 150
n-Butylbenzene	50.0	43.25		ug/Kg		86	72 - 152
N-Propylbenzene	50.0	40.37		ug/Kg		81	75 - 137
p-Isopropyltoluene	50.0	42.02		ug/Kg		84	77 - 141
sec-Butylbenzene	50.0	41.61		ug/Kg		83	79 - 141
Styrene	50.0	44.17		ug/Kg		88	82 - 137
tert-Butylbenzene	50.0	41.57		ug/Kg		83	80 - 132
Tetrachloroethene	50.0	50.92		ug/Kg		102	78 - 140
Toluene	50.0	47.49		ug/Kg		95	80 - 132
trans-1,2-Dichloroethene	50.0	52.04		ug/Kg		104	76 - 128
trans-1,3-Dichloropropene	50.0	39.41		ug/Kg		79	62 - 139
Trichloroethene	50.0	53.85		ug/Kg		108	77 - 127
Trichlorofluoromethane	50.0	51.59		ug/Kg		103	50 - 140
Vinyl chloride	50.0	47.44		ug/Kg		95	47 - 136
Xylenes, Total	150	131.4		ug/Kg		88	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	47.65		ug/Kg		95	80 - 136	7	50
1,1,1-Trichloroethane	50.0	55.32		ug/Kg		111	72 - 140	7	50
1,1,2,2-Tetrachloroethane	50.0	43.17		ug/Kg		86	66 - 134	1	50
1,1,2-Trichloroethane	50.0	46.81		ug/Kg		94	78 - 128	3	50
1,1-Dichloroethane	50.0	53.69		ug/Kg		107	75 - 124	7	50
1,1-Dichloroethene	50.0	63.66		ug/Kg		127	75 - 131	9	50
1,1-Dichloropropene	50.0	54.43		ug/Kg		109	79 - 127	7	50
1,2,3-Trichlorobenzene	50.0	53.81		ug/Kg		108	70 - 150	4	50
1,2,3-Trichloropropane	50.0	41.32		ug/Kg		83	65 - 139	2	50
1,2,4-Trichlorobenzene	50.0	54.72		ug/Kg		109	62 - 150	3	50
1,2,4-Trimethylbenzene	50.0	44.23		ug/Kg		88	77 - 139	8	50
1,2-Dibromo-3-Chloropropane	50.0	46.78		ug/Kg		94	49 - 142	1	50

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

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	50.0	50.32		ug/Kg		101	80 - 135	3	50
1,2-Dichlorobenzene	50.0	46.73		ug/Kg		93	80 - 134	7	50
1,2-Dichloroethane	50.0	52.65		ug/Kg		105	65 - 134	2	50
1,2-Dichloropropane	50.0	47.86		ug/Kg		96	69 - 120	5	50
1,3,5-Trimethylbenzene	50.0	44.58		ug/Kg		89	78 - 138	8	50
1,3-Dichlorobenzene	50.0	47.30		ug/Kg		95	79 - 137	7	50
1,3-Dichloropropane	50.0	46.06		ug/Kg		92	78 - 126	4	42
1,4-Dichlorobenzene	50.0	46.48		ug/Kg		93	77 - 139	6	50
2,2-Dichloropropane	50.0	49.83		ug/Kg		100	68 - 145	6	50
2-Butanone (MEK)	250	302.0		ug/Kg		121	61 - 132	5	50
2-Chlorotoluene	50.0	43.49		ug/Kg		87	78 - 132	9	50
2-Hexanone	250	244.4		ug/Kg		98	57 - 148	4	50
4-Chlorotoluene	50.0	44.67		ug/Kg		89	77 - 138	9	50
4-Methyl-2-pentanone (MIBK)	250	255.5		ug/Kg		102	59 - 138	2	50
Acetone	250	270.1		ug/Kg		108	51 - 149	4	50
Benzene	50.0	53.01		ug/Kg		106	75 - 127	7	50
Bromobenzene	50.0	41.96		ug/Kg		84	75 - 130	5	50
Bromochloromethane	50.0	56.72		ug/Kg		113	70 - 132	4	50
Bromodichloromethane	50.0	51.33		ug/Kg		103	68 - 135	4	50
Bromoform	50.0	41.68		ug/Kg		83	36 - 150	1	50
Bromomethane	50.0	67.02		ug/Kg		134	43 - 142	11	50
Carbon disulfide	50.0	45.66		ug/Kg		91	74 - 135	7	50
Carbon tetrachloride	50.0	53.16		ug/Kg		106	70 - 141	7	50
Chlorobenzene	50.0	48.89		ug/Kg		98	84 - 125	8	50
Chlorodibromomethane	50.0	46.12		ug/Kg		92	66 - 134	3	50
Chloroethane	50.0	55.39		ug/Kg		111	53 - 144	9	50
Chloroform	50.0	53.08		ug/Kg		106	76 - 130	7	49
Chloromethane	50.0	41.20		ug/Kg		82	23 - 150	6	50
cis-1,2-Dichloroethene	50.0	50.90		ug/Kg		102	75 - 125	6	50
cis-1,3-Dichloropropene	50.0	45.73		ug/Kg		91	73 - 148	6	50
Dibromomethane	50.0	52.81		ug/Kg		106	71 - 130	1	50
Dichlorodifluoromethane	50.0	56.37		ug/Kg		113	12 - 144	6	50
Ethylbenzene	50.0	48.15		ug/Kg		96	80 - 134	9	50
Hexachlorobutadiene	50.0	51.82		ug/Kg		104	65 - 148	7	50
Isopropylbenzene	50.0	48.48		ug/Kg		97	80 - 150	8	50
Methyl tert-butyl ether	50.0	47.79		ug/Kg		96	70 - 136	3	50
Methylene Chloride	50.0	55.23		ug/Kg		110	68 - 144	5	50
Naphthalene	50.0	49.44		ug/Kg		99	69 - 150	0	50
n-Butylbenzene	50.0	46.24		ug/Kg		92	72 - 152	7	50
N-Propylbenzene	50.0	44.12		ug/Kg		88	75 - 137	9	50
p-Isopropyltoluene	50.0	45.06		ug/Kg		90	77 - 141	7	50
sec-Butylbenzene	50.0	45.39		ug/Kg		91	79 - 141	9	50
Styrene	50.0	48.16		ug/Kg		96	82 - 137	9	50
tert-Butylbenzene	50.0	45.07		ug/Kg		90	80 - 132	8	50
Tetrachloroethene	50.0	55.64		ug/Kg		111	78 - 140	9	50
Toluene	50.0	48.53		ug/Kg		97	80 - 132	2	50
trans-1,2-Dichloroethene	50.0	55.98		ug/Kg		112	76 - 128	7	50
trans-1,3-Dichloropropene	50.0	40.40		ug/Kg		81	62 - 139	2	50

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

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			50.0	57.46		ug/Kg		115	77 - 127	6	50
Trichlorofluoromethane			50.0	53.32		ug/Kg		107	50 - 140	3	50
Vinyl chloride			50.0	50.45		ug/Kg		101	47 - 136	6	50
Xylenes, Total			150	143.3		ug/Kg		96	80 - 137	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 490-68596/9
Matrix: Solid
Analysis Batch: 68596

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/29/13 00:31	1
Tetrachloroethene	ND		100		ug/Kg			03/29/13 00:31	1
Trichloroethene	ND		100		ug/Kg			03/29/13 00:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/29/13 00:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/29/13 00:31*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*03/29/13 00:31*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/29/13 00:31*	*1*

Lab Sample ID: LCS 490-68596/5
Matrix: Solid
Analysis Batch: 68596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene			50.0	43.17		ug/Kg		86	75 - 125
Tetrachloroethene			50.0	43.54		ug/Kg		87	78 - 140
Trichloroethene			50.0	47.92		ug/Kg		96	77 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 490-68596/6
Matrix: Solid
Analysis Batch: 68596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			50.0	43.85		ug/Kg		88	75 - 125	2	50

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

Lab Sample ID: LCSD 490-68596/6
Matrix: Solid
Analysis Batch: 68596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene			50.0	44.76		ug/Kg		90	78 - 140	3	50
Trichloroethene			50.0	48.74		ug/Kg		97	77 - 127	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 490-68649/6
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/29/13 09:20	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/29/13 09:20	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 09:20	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/29/13 09:20	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 09:20	1
2-Hexanone	ND		50.0		ug/Kg			03/29/13 09:20	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 09:20	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/29/13 09:20	1
Acetone	ND		50.0		ug/Kg			03/29/13 09:20	1
Benzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromochloromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromodichloromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromoform	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromomethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Carbon disulfide	ND		5.00		ug/Kg			03/29/13 09:20	1

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

Lab Sample ID: MB 490-68649/6
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		2.00		ug/Kg			03/29/13 09:20	1
Chlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Chloroethane	ND		5.00		ug/Kg			03/29/13 09:20	1
Chloroform	ND		2.00		ug/Kg			03/29/13 09:20	1
Chloromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 09:20	1
Dibromomethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Ethylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/29/13 09:20	1
Isopropylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/29/13 09:20	1
Methylene Chloride	ND		10.0		ug/Kg			03/29/13 09:20	1
Naphthalene	ND		5.00		ug/Kg			03/29/13 09:20	1
n-Butylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
N-Propylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/29/13 09:20	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Styrene	ND		2.00		ug/Kg			03/29/13 09:20	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Tetrachloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
Toluene	ND		2.00		ug/Kg			03/29/13 09:20	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 09:20	1
Trichloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Vinyl chloride	ND		2.00		ug/Kg			03/29/13 09:20	1
Xylenes, Total	ND		5.00		ug/Kg			03/29/13 09:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*70 - 130*		*03/29/13 09:20*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/29/13 09:20*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*03/29/13 09:20*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/29/13 09:20*	*1*

Lab Sample ID: LCS 490-68649/3
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.74		ug/Kg		97	80 - 136
1,1,1-Trichloroethane	50.0	48.94		ug/Kg		98	72 - 140
1,1,2,2-Tetrachloroethane	50.0	52.76		ug/Kg		106	66 - 134
1,1,2-Trichloroethane	50.0	45.57		ug/Kg		91	78 - 128
1,1-Dichloroethane	50.0	59.89		ug/Kg		120	75 - 124
1,1-Dichloroethene	50.0	56.36		ug/Kg		113	75 - 131

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

Lab Sample ID: LCS 490-68649/3
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	50.0	53.93		ug/Kg		108	79 - 127
1,2,3-Trichlorobenzene	50.0	55.37		ug/Kg		111	70 - 150
1,2,3-Trichloropropane	50.0	45.38		ug/Kg		91	65 - 139
1,2,4-Trichlorobenzene	50.0	55.70		ug/Kg		111	62 - 150
1,2,4-Trimethylbenzene	50.0	49.16		ug/Kg		98	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	50.69		ug/Kg		101	49 - 142
1,2-Dibromoethane (EDB)	50.0	47.23		ug/Kg		94	80 - 135
1,2-Dichlorobenzene	50.0	51.97		ug/Kg		104	80 - 134
1,2-Dichloroethane	50.0	58.93		ug/Kg		118	65 - 134
1,2-Dichloropropane	50.0	58.53		ug/Kg		117	69 - 120
1,3,5-Trimethylbenzene	50.0	47.65		ug/Kg		95	78 - 138
1,3-Dichlorobenzene	50.0	50.35		ug/Kg		101	79 - 137
1,3-Dichloropropane	50.0	53.57		ug/Kg		107	78 - 126
1,4-Dichlorobenzene	50.0	51.28		ug/Kg		103	77 - 139
2,2-Dichloropropane	50.0	53.21		ug/Kg		106	68 - 145
2-Butanone (MEK)	250	279.4		ug/Kg		112	61 - 132
2-Chlorotoluene	50.0	48.27		ug/Kg		97	78 - 132
2-Hexanone	250	319.0		ug/Kg		128	57 - 148
4-Chlorotoluene	50.0	48.36		ug/Kg		97	77 - 138
4-Methyl-2-pentanone (MIBK)	250	308.9		ug/Kg		124	59 - 138
Acetone	250	282.2		ug/Kg		113	51 - 149
Benzene	50.0	54.01		ug/Kg		108	75 - 127
Bromobenzene	50.0	51.15		ug/Kg		102	75 - 130
Bromochloromethane	50.0	50.14		ug/Kg		100	70 - 132
Bromodichloromethane	50.0	53.39		ug/Kg		107	68 - 135
Bromoform	50.0	53.80		ug/Kg		108	36 - 150
Bromomethane	50.0	46.43		ug/Kg		93	43 - 142
Carbon disulfide	50.0	50.34		ug/Kg		101	74 - 135
Carbon tetrachloride	50.0	44.69		ug/Kg		89	70 - 141
Chlorobenzene	50.0	49.81		ug/Kg		100	84 - 125
Chlorodibromomethane	50.0	46.59		ug/Kg		93	66 - 134
Chloroethane	50.0	58.18		ug/Kg		116	53 - 144
Chloroform	50.0	51.21		ug/Kg		102	76 - 130
Chloromethane	50.0	58.93		ug/Kg		118	23 - 150
cis-1,2-Dichloroethene	50.0	57.33		ug/Kg		115	75 - 125
cis-1,3-Dichloropropene	50.0	53.24		ug/Kg		106	73 - 148
Dibromomethane	50.0	49.64		ug/Kg		99	71 - 130
Dichlorodifluoromethane	50.0	53.74		ug/Kg		107	12 - 144
Ethylbenzene	50.0	52.61		ug/Kg		105	80 - 134
Hexachlorobutadiene	50.0	58.34		ug/Kg		117	65 - 148
Isopropylbenzene	50.0	55.56		ug/Kg		111	80 - 150
Methyl tert-butyl ether	50.0	58.17		ug/Kg		116	70 - 136
Methylene Chloride	50.0	54.95		ug/Kg		110	68 - 144
Naphthalene	50.0	55.15		ug/Kg		110	69 - 150
n-Butylbenzene	50.0	49.18		ug/Kg		98	72 - 152
N-Propylbenzene	50.0	47.89		ug/Kg		96	75 - 137
p-Isopropyltoluene	50.0	49.53		ug/Kg		99	77 - 141
sec-Butylbenzene	50.0	49.64		ug/Kg		99	79 - 141

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

Lab Sample ID: LCS 490-68649/3
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	50.0	53.48		ug/Kg		107	82 - 137
tert-Butylbenzene	50.0	49.78		ug/Kg		100	80 - 132
Tetrachloroethene	50.0	46.80		ug/Kg		94	78 - 140
Toluene	50.0	49.73		ug/Kg		99	80 - 132
trans-1,2-Dichloroethene	50.0	63.72		ug/Kg		127	76 - 128
trans-1,3-Dichloropropene	50.0	52.24		ug/Kg		104	62 - 139
Trichloroethene	50.0	49.59		ug/Kg		99	77 - 127
Trichlorofluoromethane	50.0	44.27		ug/Kg		89	50 - 140
Vinyl chloride	50.0	62.45		ug/Kg		125	47 - 136
Xylenes, Total	150	161.0		ug/Kg		107	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-68649/4
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	49.53		ug/Kg		99	80 - 136	2	50
1,1,1-Trichloroethane	50.0	48.89		ug/Kg		98	72 - 140	0	50
1,1,2,2-Tetrachloroethane	50.0	50.33		ug/Kg		101	66 - 134	5	50
1,1,2-Trichloroethane	50.0	45.81		ug/Kg		92	78 - 128	1	50
1,1-Dichloroethane	50.0	60.40		ug/Kg		121	75 - 124	1	50
1,1-Dichloroethene	50.0	57.63		ug/Kg		115	75 - 131	2	50
1,1-Dichloropropene	50.0	54.20		ug/Kg		108	79 - 127	0	50
1,2,3-Trichlorobenzene	50.0	53.57		ug/Kg		107	70 - 150	3	50
1,2,3-Trichloropropane	50.0	44.59		ug/Kg		89	65 - 139	2	50
1,2,4-Trichlorobenzene	50.0	54.11		ug/Kg		108	62 - 150	3	50
1,2,4-Trimethylbenzene	50.0	51.63		ug/Kg		103	77 - 139	5	50
1,2-Dibromo-3-Chloropropane	50.0	48.81		ug/Kg		98	49 - 142	4	50
1,2-Dibromoethane (EDB)	50.0	46.78		ug/Kg		94	80 - 135	1	50
1,2-Dichlorobenzene	50.0	51.35		ug/Kg		103	80 - 134	1	50
1,2-Dichloroethane	50.0	56.83		ug/Kg		114	65 - 134	4	50
1,2-Dichloropropane	50.0	57.79		ug/Kg		116	69 - 120	1	50
1,3,5-Trimethylbenzene	50.0	50.75		ug/Kg		102	78 - 138	6	50
1,3-Dichlorobenzene	50.0	51.29		ug/Kg		103	79 - 137	2	50
1,3-Dichloropropane	50.0	52.61		ug/Kg		105	78 - 126	2	42
1,4-Dichlorobenzene	50.0	49.85		ug/Kg		100	77 - 139	3	50
2,2-Dichloropropane	50.0	53.02		ug/Kg		106	68 - 145	0	50
2-Butanone (MEK)	250	251.8		ug/Kg		101	61 - 132	10	50
2-Chlorotoluene	50.0	50.11		ug/Kg		100	78 - 132	4	50
2-Hexanone	250	309.6		ug/Kg		124	57 - 148	3	50
4-Chlorotoluene	50.0	50.12		ug/Kg		100	77 - 138	4	50
4-Methyl-2-pentanone (MIBK)	250	290.6		ug/Kg		116	59 - 138	6	50

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

Lab Sample ID: LCSD 490-68649/4
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			250	242.8		ug/Kg		97	51 - 149	15	50
Benzene			50.0	54.00		ug/Kg		108	75 - 127	0	50
Bromobenzene			50.0	52.70		ug/Kg		105	75 - 130	3	50
Bromochloromethane			50.0	47.84		ug/Kg		96	70 - 132	5	50
Bromodichloromethane			50.0	53.03		ug/Kg		106	68 - 135	1	50
Bromoform			50.0	52.13		ug/Kg		104	36 - 150	3	50
Bromomethane			50.0	46.75		ug/Kg		93	43 - 142	1	50
Carbon disulfide			50.0	50.25		ug/Kg		101	74 - 135	0	50
Carbon tetrachloride			50.0	46.26		ug/Kg		93	70 - 141	3	50
Chlorobenzene			50.0	50.88		ug/Kg		102	84 - 125	2	50
Chlorodibromomethane			50.0	45.71		ug/Kg		91	66 - 134	2	50
Chloroethane			50.0	59.69		ug/Kg		119	53 - 144	3	50
Chloroform			50.0	50.53		ug/Kg		101	76 - 130	1	49
Chloromethane			50.0	58.31		ug/Kg		117	23 - 150	1	50
cis-1,2-Dichloroethene			50.0	57.98		ug/Kg		116	75 - 125	1	50
cis-1,3-Dichloropropene			50.0	53.11		ug/Kg		106	73 - 148	0	50
Dibromomethane			50.0	47.19		ug/Kg		94	71 - 130	5	50
Dichlorodifluoromethane			50.0	53.09		ug/Kg		106	12 - 144	1	50
Ethylbenzene			50.0	54.92		ug/Kg		110	80 - 134	4	50
Hexachlorobutadiene			50.0	58.47		ug/Kg		117	65 - 148	0	50
Isopropylbenzene			50.0	57.65		ug/Kg		115	80 - 150	4	50
Methyl tert-butyl ether			50.0	54.80		ug/Kg		110	70 - 136	6	50
Methylene Chloride			50.0	52.96		ug/Kg		106	68 - 144	4	50
Naphthalene			50.0	52.69		ug/Kg		105	69 - 150	5	50
n-Butylbenzene			50.0	52.34		ug/Kg		105	72 - 152	6	50
N-Propylbenzene			50.0	51.65		ug/Kg		103	75 - 137	8	50
p-Isopropyltoluene			50.0	50.39		ug/Kg		101	77 - 141	2	50
sec-Butylbenzene			50.0	52.41		ug/Kg		105	79 - 141	5	50
Styrene			50.0	55.15		ug/Kg		110	82 - 137	3	50
tert-Butylbenzene			50.0	51.81		ug/Kg		104	80 - 132	4	50
Tetrachloroethene			50.0	49.57		ug/Kg		99	78 - 140	6	50
Toluene			50.0	53.00		ug/Kg		106	80 - 132	6	50
trans-1,2-Dichloroethene			50.0	63.73		ug/Kg		127	76 - 128	0	50
trans-1,3-Dichloropropene			50.0	52.51		ug/Kg		105	62 - 139	1	50
Trichloroethene			50.0	49.21		ug/Kg		98	77 - 127	1	50
Trichlorofluoromethane			50.0	45.94		ug/Kg		92	50 - 140	4	50
Vinyl chloride			50.0	63.00		ug/Kg		126	47 - 136	1	50
Xylenes, Total			150	166.5		ug/Kg		111	80 - 137	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 490-68718/6
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/29/13 12:44	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/29/13 12:44	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
2-Hexanone	ND		50.0		ug/Kg			03/29/13 12:44	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/29/13 12:44	1
Acetone	ND		50.0		ug/Kg			03/29/13 12:44	1
Benzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromochloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromodichloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromoform	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Carbon disulfide	ND		5.00		ug/Kg			03/29/13 12:44	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/29/13 12:44	1
Chlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Chloroethane	ND		5.00		ug/Kg			03/29/13 12:44	1
Chloroform	ND		2.00		ug/Kg			03/29/13 12:44	1
Chloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
Dibromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Ethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/29/13 12:44	1
Isopropylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/29/13 12:44	1

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

Lab Sample ID: MB 490-68718/6
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		10.0		ug/Kg			03/29/13 12:44	1
Naphthalene	ND		5.00		ug/Kg			03/29/13 12:44	1
n-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
N-Propylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Styrene	ND		2.00		ug/Kg			03/29/13 12:44	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Tetrachloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
Toluene	ND		2.00		ug/Kg			03/29/13 12:44	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
Trichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Vinyl chloride	ND		2.00		ug/Kg			03/29/13 12:44	1
Xylenes, Total	ND		5.00		ug/Kg			03/29/13 12:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/29/13 12:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/29/13 12:44*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/29/13 12:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/29/13 12:44*	*1*

Lab Sample ID: MB 490-68718/7
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/29/13 13:15	1
1,1-Dichloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,1-Dichloroethene	ND		100		ug/Kg			03/29/13 13:15	1
1,1-Dichloropropene	ND		100		ug/Kg			03/29/13 13:15	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/29/13 13:15	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/29/13 13:15	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/29/13 13:15	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,2-Dichloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,2-Dichloropropane	ND		100		ug/Kg			03/29/13 13:15	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,3-Dichloropropane	ND		100		ug/Kg			03/29/13 13:15	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1

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

Lab Sample ID: MB 490-68718/7
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		100		ug/Kg			03/29/13 13:15	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/29/13 13:15	1
2-Chlorotoluene	ND		100		ug/Kg			03/29/13 13:15	1
2-Hexanone	ND		2500		ug/Kg			03/29/13 13:15	1
4-Chlorotoluene	ND		100		ug/Kg			03/29/13 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/29/13 13:15	1
Acetone	ND		2500		ug/Kg			03/29/13 13:15	1
Benzene	ND		100		ug/Kg			03/29/13 13:15	1
Bromobenzene	ND		100		ug/Kg			03/29/13 13:15	1
Bromochloromethane	ND		100		ug/Kg			03/29/13 13:15	1
Bromodichloromethane	ND		100		ug/Kg			03/29/13 13:15	1
Bromoform	ND		100		ug/Kg			03/29/13 13:15	1
Bromomethane	ND		100		ug/Kg			03/29/13 13:15	1
Carbon disulfide	ND		250		ug/Kg			03/29/13 13:15	1
Carbon tetrachloride	ND		100		ug/Kg			03/29/13 13:15	1
Chlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
Chlorodibromomethane	ND		100		ug/Kg			03/29/13 13:15	1
Chloroethane	ND		250		ug/Kg			03/29/13 13:15	1
Chloroform	ND		100		ug/Kg			03/29/13 13:15	1
Chloromethane	ND		100		ug/Kg			03/29/13 13:15	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/29/13 13:15	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/29/13 13:15	1
Dibromomethane	ND		100		ug/Kg			03/29/13 13:15	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/29/13 13:15	1
Ethylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
Hexachlorobutadiene	ND		250		ug/Kg			03/29/13 13:15	1
Isopropylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/29/13 13:15	1
Methylene Chloride	ND		500		ug/Kg			03/29/13 13:15	1
Naphthalene	ND		250		ug/Kg			03/29/13 13:15	1
n-Butylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
N-Propylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
p-Isopropyltoluene	ND		100		ug/Kg			03/29/13 13:15	1
sec-Butylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
Styrene	ND		100		ug/Kg			03/29/13 13:15	1
tert-Butylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
Tetrachloroethene	ND		100		ug/Kg			03/29/13 13:15	1
Toluene	ND		100		ug/Kg			03/29/13 13:15	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/29/13 13:15	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/29/13 13:15	1
Trichloroethene	ND		100		ug/Kg			03/29/13 13:15	1
Trichlorofluoromethane	ND		100		ug/Kg			03/29/13 13:15	1
Vinyl chloride	ND		100		ug/Kg			03/29/13 13:15	1
Xylenes, Total	ND		250		ug/Kg			03/29/13 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*03/29/13 13:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*03/29/13 13:15*	*1*

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

Lab Sample ID: MB 490-68718/7
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		70 - 130		03/29/13 13:15	1
Toluene-d8 (Surr)	100		70 - 130		03/29/13 13:15	1

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.73		ug/Kg		89	80 - 136
1,1,1-Trichloroethane	50.0	54.11		ug/Kg		108	72 - 140
1,1,2,2-Tetrachloroethane	50.0	41.72		ug/Kg		83	66 - 134
1,1,2-Trichloroethane	50.0	45.37		ug/Kg		91	78 - 128
1,1-Dichloroethane	50.0	53.14		ug/Kg		106	75 - 124
1,1-Dichloroethene	50.0	62.47		ug/Kg		125	75 - 131
1,1-Dichloropropene	50.0	54.10		ug/Kg		108	79 - 127
1,2,3-Trichlorobenzene	50.0	51.15		ug/Kg		102	70 - 150
1,2,3-Trichloropropane	50.0	40.22		ug/Kg		80	65 - 139
1,2,4-Trichlorobenzene	50.0	52.79		ug/Kg		106	62 - 150
1,2,4-Trimethylbenzene	50.0	42.74		ug/Kg		85	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	45.27		ug/Kg		91	49 - 142
1,2-Dibromoethane (EDB)	50.0	47.91		ug/Kg		96	80 - 135
1,2-Dichlorobenzene	50.0	45.00		ug/Kg		90	80 - 134
1,2-Dichloroethane	50.0	52.13		ug/Kg		104	65 - 134
1,2-Dichloropropane	50.0	46.73		ug/Kg		93	69 - 120
1,3,5-Trimethylbenzene	50.0	43.24		ug/Kg		86	78 - 138
1,3-Dichlorobenzene	50.0	45.70		ug/Kg		91	79 - 137
1,3-Dichloropropane	50.0	44.45		ug/Kg		89	78 - 126
1,4-Dichlorobenzene	50.0	45.66		ug/Kg		91	77 - 139
2,2-Dichloropropane	50.0	49.36		ug/Kg		99	68 - 145
2-Butanone (MEK)	250	318.6		ug/Kg		127	61 - 132
2-Chlorotoluene	50.0	41.93		ug/Kg		84	78 - 132
2-Hexanone	250	248.9		ug/Kg		100	57 - 148
4-Chlorotoluene	50.0	43.04		ug/Kg		86	77 - 138
4-Methyl-2-pentanone (MIBK)	250	253.8		ug/Kg		102	59 - 138
Acetone	250	288.8		ug/Kg		116	51 - 149
Benzene	50.0	52.67		ug/Kg		105	75 - 127
Bromobenzene	50.0	41.12		ug/Kg		82	75 - 130
Bromochloromethane	50.0	55.13		ug/Kg		110	70 - 132
Bromodichloromethane	50.0	48.74		ug/Kg		97	68 - 135
Bromoform	50.0	38.81		ug/Kg		78	36 - 150
Bromomethane	50.0	66.66		ug/Kg		133	43 - 142
Carbon disulfide	50.0	45.79		ug/Kg		92	74 - 135
Carbon tetrachloride	50.0	51.40		ug/Kg		103	70 - 141
Chlorobenzene	50.0	47.64		ug/Kg		95	84 - 125
Chlorodibromomethane	50.0	42.45		ug/Kg		85	66 - 134
Chloroethane	50.0	58.54		ug/Kg		117	53 - 144
Chloroform	50.0	52.28		ug/Kg		105	76 - 130
Chloromethane	50.0	44.69		ug/Kg		89	23 - 150

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

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	50.59		ug/Kg		101	75 - 125
cis-1,3-Dichloropropene	50.0	44.04		ug/Kg		88	73 - 148
Dibromomethane	50.0	50.72		ug/Kg		101	71 - 130
Dichlorodifluoromethane	50.0	59.44		ug/Kg		119	12 - 144
Ethylbenzene	50.0	46.60		ug/Kg		93	80 - 134
Hexachlorobutadiene	50.0	48.04		ug/Kg		96	65 - 148
Isopropylbenzene	50.0	46.76		ug/Kg		94	80 - 150
Methyl tert-butyl ether	50.0	48.46		ug/Kg		97	70 - 136
Methylene Chloride	50.0	55.47		ug/Kg		111	68 - 144
Naphthalene	50.0	47.53		ug/Kg		95	69 - 150
n-Butylbenzene	50.0	44.52		ug/Kg		89	72 - 152
N-Propylbenzene	50.0	42.97		ug/Kg		86	75 - 137
p-Isopropyltoluene	50.0	43.11		ug/Kg		86	77 - 141
sec-Butylbenzene	50.0	43.67		ug/Kg		87	79 - 141
Styrene	50.0	47.09		ug/Kg		94	82 - 137
tert-Butylbenzene	50.0	42.97		ug/Kg		86	80 - 132
Tetrachloroethene	50.0	54.15		ug/Kg		108	78 - 140
Toluene	50.0	50.15		ug/Kg		100	80 - 132
trans-1,2-Dichloroethene	50.0	56.17		ug/Kg		112	76 - 128
trans-1,3-Dichloropropene	50.0	39.46		ug/Kg		79	62 - 139
Trichloroethene	50.0	57.35		ug/Kg		115	77 - 127
Trichlorofluoromethane	50.0	57.65		ug/Kg		115	50 - 140
Vinyl chloride	50.0	54.53		ug/Kg		109	47 - 136
Xylenes, Total	150	138.7		ug/Kg		92	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	45.89		ug/Kg		92	80 - 136	3	50
1,1,1-Trichloroethane	50.0	53.67		ug/Kg		107	72 - 140	1	50
1,1,2,2-Tetrachloroethane	50.0	44.68		ug/Kg		89	66 - 134	7	50
1,1,2-Trichloroethane	50.0	47.13		ug/Kg		94	78 - 128	4	50
1,1-Dichloroethane	50.0	52.20		ug/Kg		104	75 - 124	2	50
1,1-Dichloroethene	50.0	61.47		ug/Kg		123	75 - 131	2	50
1,1-Dichloropropene	50.0	53.09		ug/Kg		106	79 - 127	2	50
1,2,3-Trichlorobenzene	50.0	53.04		ug/Kg		106	70 - 150	4	50
1,2,3-Trichloropropane	50.0	42.99		ug/Kg		86	65 - 139	7	50
1,2,4-Trichlorobenzene	50.0	53.73		ug/Kg		107	62 - 150	2	50
1,2,4-Trimethylbenzene	50.0	42.32		ug/Kg		85	77 - 139	1	50
1,2-Dibromo-3-Chloropropane	50.0	48.31		ug/Kg		97	49 - 142	6	50

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

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	50.0	51.89		ug/Kg		104	80 - 135	8	50
1,2-Dichlorobenzene	50.0	45.20		ug/Kg		90	80 - 134	0	50
1,2-Dichloroethane	50.0	53.89		ug/Kg		108	65 - 134	3	50
1,2-Dichloropropane	50.0	47.55		ug/Kg		95	69 - 120	2	50
1,3,5-Trimethylbenzene	50.0	42.48		ug/Kg		85	78 - 138	2	50
1,3-Dichlorobenzene	50.0	45.44		ug/Kg		91	79 - 137	1	50
1,3-Dichloropropane	50.0	46.51		ug/Kg		93	78 - 126	5	42
1,4-Dichlorobenzene	50.0	45.44		ug/Kg		91	77 - 139	0	50
2,2-Dichloropropane	50.0	49.15		ug/Kg		98	68 - 145	0	50
2-Butanone (MEK)	250	310.0		ug/Kg		124	61 - 132	3	50
2-Chlorotoluene	50.0	40.85		ug/Kg		82	78 - 132	3	50
2-Hexanone	250	256.6		ug/Kg		103	57 - 148	3	50
4-Chlorotoluene	50.0	41.66		ug/Kg		83	77 - 138	3	50
4-Methyl-2-pentanone (MIBK)	250	271.6		ug/Kg		109	59 - 138	7	50
Acetone	250	282.4		ug/Kg		113	51 - 149	2	50
Benzene	50.0	51.82		ug/Kg		104	75 - 127	2	50
Bromobenzene	50.0	41.59		ug/Kg		83	75 - 130	1	50
Bromochloromethane	50.0	57.10		ug/Kg		114	70 - 132	4	50
Bromodichloromethane	50.0	50.71		ug/Kg		101	68 - 135	4	50
Bromoform	50.0	43.15		ug/Kg		86	36 - 150	11	50
Bromomethane	50.0	65.84		ug/Kg		132	43 - 142	1	50
Carbon disulfide	50.0	43.40		ug/Kg		87	74 - 135	5	50
Carbon tetrachloride	50.0	51.06		ug/Kg		102	70 - 141	1	50
Chlorobenzene	50.0	46.72		ug/Kg		93	84 - 125	2	50
Chlorodibromomethane	50.0	45.64		ug/Kg		91	66 - 134	7	50
Chloroethane	50.0	55.16		ug/Kg		110	53 - 144	6	50
Chloroform	50.0	51.61		ug/Kg		103	76 - 130	1	49
Chloromethane	50.0	40.55		ug/Kg		81	23 - 150	10	50
cis-1,2-Dichloroethene	50.0	49.45		ug/Kg		99	75 - 125	2	50
cis-1,3-Dichloropropene	50.0	44.70		ug/Kg		89	73 - 148	1	50
Dibromomethane	50.0	54.71		ug/Kg		109	71 - 130	8	50
Dichlorodifluoromethane	50.0	55.10		ug/Kg		110	12 - 144	8	50
Ethylbenzene	50.0	45.84		ug/Kg		92	80 - 134	2	50
Hexachlorobutadiene	50.0	49.34		ug/Kg		99	65 - 148	3	50
Isopropylbenzene	50.0	46.26		ug/Kg		93	80 - 150	1	50
Methyl tert-butyl ether	50.0	52.97		ug/Kg		106	70 - 136	9	50
Methylene Chloride	50.0	54.90		ug/Kg		110	68 - 144	1	50
Naphthalene	50.0	51.30		ug/Kg		103	69 - 150	8	50
n-Butylbenzene	50.0	44.42		ug/Kg		89	72 - 152	0	50
N-Propylbenzene	50.0	41.94		ug/Kg		84	75 - 137	2	50
p-Isopropyltoluene	50.0	42.96		ug/Kg		86	77 - 141	0	50
sec-Butylbenzene	50.0	43.06		ug/Kg		86	79 - 141	1	50
Styrene	50.0	46.27		ug/Kg		93	82 - 137	2	50
tert-Butylbenzene	50.0	43.30		ug/Kg		87	80 - 132	1	50
Tetrachloroethene	50.0	53.36		ug/Kg		107	78 - 140	1	50
Toluene	50.0	48.19		ug/Kg		96	80 - 132	4	50
trans-1,2-Dichloroethene	50.0	54.26		ug/Kg		109	76 - 128	3	50
trans-1,3-Dichloropropene	50.0	41.33		ug/Kg		83	62 - 139	5	50

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

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			50.0	56.29		ug/Kg		113	77 - 127	2	50
Trichlorofluoromethane			50.0	53.42		ug/Kg		107	50 - 140	8	50
Vinyl chloride			50.0	50.88		ug/Kg		102	47 - 136	7	50
Xylenes, Total			150	137.6		ug/Kg		92	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

GC/MS VOA

Prep Batch: 67338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-1	MW-10 (2-3)	Total/NA	Solid	5035	
490-22570-2	MW-10 (3-4)	Total/NA	Solid	5035	
490-22570-3	MW-10 (5-7)	Total/NA	Solid	5035	
490-22570-4	MW-10 (10-12)	Total/NA	Solid	5035	
490-22570-5	MW-10 (15-17)	Total/NA	Solid	5035	
490-22570-7	MW-10 (25-27)	Total/NA	Solid	5035	
490-22570-9	MW-10 (35-37)	Total/NA	Solid	5035	
490-22570-10	MW-10 (40-42)	Total/NA	Solid	5035	
490-22570-11	MW-10 (45-47)	Total/NA	Solid	5035	
490-22570-13	MW-10 (55-57)	Total/NA	Solid	5035	
490-22570-14	MW-10 (60-62)	Total/NA	Solid	5035	
490-22570-15	MW-10 (65-67)	Total/NA	Solid	5035	
490-22570-16 MS	MW-10 (70-72)	Total/NA	Solid	5035	
490-22570-16 MSD	MW-10 (70-72)	Total/NA	Solid	5035	
490-22570-17	MW-9 (5-7)	Total/NA	Solid	5035	
490-22570-18	MW-9 (10-12)	Total/NA	Solid	5035	
490-22570-20	MW-9 (20-22)	Total/NA	Solid	5035	
490-22570-26	MW-9 (50-52)	Total/NA	Solid	5035	

Prep Batch: 67339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-5	MW-10 (15-17)	Total/NA	Solid	5035	
490-22570-6	MW-10 (20-22)	Total/NA	Solid	5035	
490-22570-7	MW-10 (25-27)	Total/NA	Solid	5035	
490-22570-8	MW-10 (30-32)	Total/NA	Solid	5035	
490-22570-9	MW-10 (35-37)	Total/NA	Solid	5035	
490-22570-12	MW-10 (50-52)	Total/NA	Solid	5035	
490-22570-15	MW-10 (65-67)	Total/NA	Solid	5035	
490-22570-16	MW-10 (70-72)	Total/NA	Solid	5035	
490-22570-17	MW-9 (5-7)	Total/NA	Solid	5035	
490-22570-17	MW-9 (5-7)	Total/NA	Solid	5035	
490-22570-18	MW-9 (10-12)	Total/NA	Solid	5035	
490-22570-19	MW-9 (15-17)	Total/NA	Solid	5035	
490-22570-19	MW-9 (15-17)	Total/NA	Solid	5035	
490-22570-20	MW-9 (20-22)	Total/NA	Solid	5035	
490-22570-20	MW-9 (20-22)	Total/NA	Solid	5035	
490-22570-21	MW-9 (25-27)	Total/NA	Solid	5035	
490-22570-22	MW-9 (30-32)	Total/NA	Solid	5035	
490-22570-23	MW-9 (35-37)	Total/NA	Solid	5035	
490-22570-24	MW-9 (40-42)	Total/NA	Solid	5035	
490-22570-24	MW-9 (40-42)	Total/NA	Solid	5035	
490-22570-25	MW-9 (45-47)	Total/NA	Solid	5035	
490-22570-25	MW-9 (45-47)	Total/NA	Solid	5035	
490-22570-27	MW-9 (55-57)	Total/NA	Solid	5035	
490-22570-27	MW-9 (55-57)	Total/NA	Solid	5035	
490-22570-28	MW-9 (60-62)	Total/NA	Solid	5035	
490-22570-28	MW-9 (60-62)	Total/NA	Solid	5035	
490-22570-29	MW-9 (65-67)	Total/NA	Solid	5035	
490-22570-30	Trip Blank	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Analysis Batch: 67975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-1	MW-10 (2-3)	Total/NA	Solid	8260B	67338
490-22570-2	MW-10 (3-4)	Total/NA	Solid	8260B	67338
490-22570-3	MW-10 (5-7)	Total/NA	Solid	8260B	67338
490-22570-4	MW-10 (10-12)	Total/NA	Solid	8260B	67338
490-22570-10	MW-10 (40-42)	Total/NA	Solid	8260B	67338
490-22570-11	MW-10 (45-47)	Total/NA	Solid	8260B	67338
490-22570-13	MW-10 (55-57)	Total/NA	Solid	8260B	67338
490-22570-14	MW-10 (60-62)	Total/NA	Solid	8260B	67338
490-22570-16 MS	MW-10 (70-72)	Total/NA	Solid	8260B	67338
490-22570-16 MSD	MW-10 (70-72)	Total/NA	Solid	8260B	67338
LCS 490-67975/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 490-67975/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-5	MW-10 (15-17)	Total/NA	Solid	8260B	67339
490-22570-6	MW-10 (20-22)	Total/NA	Solid	8260B	67339
490-22570-7	MW-10 (25-27)	Total/NA	Solid	8260B	67339
490-22570-8	MW-10 (30-32)	Total/NA	Solid	8260B	67339
490-22570-9	MW-10 (35-37)	Total/NA	Solid	8260B	67339
490-22570-10	MW-10 (40-42)	Total/NA	Solid	8260B	67338
490-22570-12	MW-10 (50-52)	Total/NA	Solid	8260B	67339
490-22570-13	MW-10 (55-57)	Total/NA	Solid	8260B	67338
490-22570-14	MW-10 (60-62)	Total/NA	Solid	8260B	67338
490-22570-15	MW-10 (65-67)	Total/NA	Solid	8260B	67339
490-22570-15	MW-10 (65-67)	Total/NA	Solid	8260B	67338
490-22570-16	MW-10 (70-72)	Total/NA	Solid	8260B	67339
LCS 490-68052/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68052/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68052/6	Method Blank	Total/NA	Solid	8260B	
MB 490-68052/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-17	MW-9 (5-7)	Total/NA	Solid	8260B	67338
490-22570-18	MW-9 (10-12)	Total/NA	Solid	8260B	67338
490-22570-20	MW-9 (20-22)	Total/NA	Solid	8260B	67338
490-22570-26	MW-9 (50-52)	Total/NA	Solid	8260B	67338
LCS 490-68207/6	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68207/7	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68207/10	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-17	MW-9 (5-7)	Total/NA	Solid	8260B	67339
490-22570-19	MW-9 (15-17)	Total/NA	Solid	8260B	67339
490-22570-20	MW-9 (20-22)	Total/NA	Solid	8260B	67339
490-22570-21	MW-9 (25-27)	Total/NA	Solid	8260B	67339
490-22570-22	MW-9 (30-32)	Total/NA	Solid	8260B	67339
490-22570-23	MW-9 (35-37)	Total/NA	Solid	8260B	67339
490-22570-24	MW-9 (40-42)	Total/NA	Solid	8260B	67339

GC/MS VOA (Continued)

Analysis Batch: 68327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-25	MW-9 (45-47)	Total/NA	Solid	8260B	67339
490-22570-26	MW-9 (50-52)	Total/NA	Solid	8260B	67338
490-22570-27	MW-9 (55-57)	Total/NA	Solid	8260B	67339
490-22570-28	MW-9 (60-62)	Total/NA	Solid	8260B	67339
490-22570-29	MW-9 (65-67)	Total/NA	Solid	8260B	67339
LCS 490-68327/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68327/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68327/6	Method Blank	Total/NA	Solid	8260B	
MB 490-68327/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-30	Trip Blank	Total/NA	Solid	8260B	67339
LCS 490-68361/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68361/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68361/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-1	MW-10 (2-3)	Total/NA	Solid	8260B	67338
490-22570-2	MW-10 (3-4)	Total/NA	Solid	8260B	67338
490-22570-3	MW-10 (5-7)	Total/NA	Solid	8260B	67338
490-22570-5	MW-10 (15-17)	Total/NA	Solid	8260B	67338
490-22570-7	MW-10 (25-27)	Total/NA	Solid	8260B	67338
490-22570-9	MW-10 (35-37)	Total/NA	Solid	8260B	67338
LCS 490-68596/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68596/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68596/9	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-17	MW-9 (5-7)	Total/NA	Solid	8260B	67339
490-22570-18	MW-9 (10-12)	Total/NA	Solid	8260B	67339
490-22570-19	MW-9 (15-17)	Total/NA	Solid	8260B	67339
490-22570-20	MW-9 (20-22)	Total/NA	Solid	8260B	67339
490-22570-24	MW-9 (40-42)	Total/NA	Solid	8260B	67339
490-22570-25	MW-9 (45-47)	Total/NA	Solid	8260B	67339
490-22570-27	MW-9 (55-57)	Total/NA	Solid	8260B	67339
490-22570-28	MW-9 (60-62)	Total/NA	Solid	8260B	67339
LCS 490-68649/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68649/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68649/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-2	MW-10 (3-4)	Total/NA	Solid	8260B	67338
LCS 490-68718/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68718/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68718/6	Method Blank	Total/NA	Solid	8260B	
MB 490-68718/7	Method Blank	Total/NA	Solid	8260B	

Client Sample ID: MW-10 (2-3)

Lab Sample ID: 490-22570-1

Date Collected: 03/19/13 07:55

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 01:14	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		100	68596	03/29/13 02:36	KK	TAL NSH

Client Sample ID: MW-10 (3-4)

Lab Sample ID: 490-22570-2

Date Collected: 03/19/13 08:00

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 01:45	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		200	68596	03/29/13 03:39	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		400	68718	03/29/13 14:17	KK	TAL NSH

Client Sample ID: MW-10 (5-7)

Lab Sample ID: 490-22570-3

Date Collected: 03/19/13 08:50

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 02:16	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		100	68596	03/29/13 03:07	KK	TAL NSH

Client Sample ID: MW-10 (10-12)

Lab Sample ID: 490-22570-4

Date Collected: 03/19/13 09:00

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 02:47	KK	TAL NSH

Client Sample ID: MW-10 (15-17)

Lab Sample ID: 490-22570-5

Date Collected: 03/19/13 09:30

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 16:26	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (15-17)

Lab Sample ID: 490-22570-5

Date Collected: 03/19/13 09:30
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	68596	03/29/13 01:03	KK	TAL NSH

Client Sample ID: MW-10 (20-22)

Lab Sample ID: 490-22570-6

Date Collected: 03/19/13 09:45
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 16:57	KK	TAL NSH

Client Sample ID: MW-10 (25-27)

Lab Sample ID: 490-22570-7

Date Collected: 03/19/13 10:10
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 17:29	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68596	03/29/13 01:34	KK	TAL NSH

Client Sample ID: MW-10 (30-32)

Lab Sample ID: 490-22570-8

Date Collected: 03/19/13 10:50
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 18:00	KK	TAL NSH

Client Sample ID: MW-10 (35-37)

Lab Sample ID: 490-22570-9

Date Collected: 03/19/13 11:00
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 18:31	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68596	03/29/13 02:05	KK	TAL NSH

Client Sample ID: MW-10 (40-42)

Lab Sample ID: 490-22570-10

Date Collected: 03/19/13 11:20
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 05:54	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 20:37	KK	TAL NSH

Client Sample ID: MW-10 (45-47)

Lab Sample ID: 490-22570-11

Date Collected: 03/19/13 11:40
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 06:25	KK	TAL NSH

Client Sample ID: MW-10 (50-52)

Lab Sample ID: 490-22570-12

Date Collected: 03/19/13 12:25
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 19:03	KK	TAL NSH

Client Sample ID: MW-10 (55-57)

Lab Sample ID: 490-22570-13

Date Collected: 03/19/13 13:10
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 07:27	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 22:11	KK	TAL NSH

Client Sample ID: MW-10 (60-62)

Lab Sample ID: 490-22570-14

Date Collected: 03/19/13 13:50
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 07:58	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 20:05	KK	TAL NSH

Client Sample ID: MW-10 (65-67)

Lab Sample ID: 490-22570-15

Date Collected: 03/19/13 14:00
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 21:08	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 21:40	KK	TAL NSH

Client Sample ID: MW-10 (70-72)

Lab Sample ID: 490-22570-16

Date Collected: 03/19/13 14:50
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 19:34	KK	TAL NSH

Client Sample ID: MW-9 (5-7)

Lab Sample ID: 490-22570-17

Date Collected: 03/20/13 08:15
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68207	03/27/13 20:41	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 18:03	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 10:21	AF	TAL NSH

Client Sample ID: MW-9 (10-12)

Lab Sample ID: 490-22570-18

Date Collected: 03/20/13 08:40
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68207	03/27/13 21:11	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 10:51	AF	TAL NSH

Client Sample ID: MW-9 (15-17)

Lab Sample ID: 490-22570-19

Date Collected: 03/20/13 08:45
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 10:29	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (15-17)

Lab Sample ID: 490-22570-19

Date Collected: 03/20/13 08:45
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	68649	03/29/13 11:51	AF	TAL NSH

Client Sample ID: MW-9 (20-22)

Lab Sample ID: 490-22570-20

Date Collected: 03/20/13 09:00
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68207	03/27/13 22:11	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 17:02	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 11:21	AF	TAL NSH

Client Sample ID: MW-9 (25-27)

Lab Sample ID: 490-22570-21

Date Collected: 03/20/13 09:10
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 10:59	AF	TAL NSH

Client Sample ID: MW-9 (30-32)

Lab Sample ID: 490-22570-22

Date Collected: 03/20/13 10:00
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 11:29	AF	TAL NSH

Client Sample ID: MW-9 (35-37)

Lab Sample ID: 490-22570-23

Date Collected: 03/20/13 10:25
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 12:00	AF	TAL NSH

Client Sample ID: MW-9 (40-42)

Lab Sample ID: 490-22570-24

Date Collected: 03/20/13 10:40
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 12:30	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 12:21	AF	TAL NSH

Client Sample ID: MW-9 (45-47)

Lab Sample ID: 490-22570-25

Date Collected: 03/20/13 10:51
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 13:00	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 12:52	AF	TAL NSH

Client Sample ID: MW-9 (50-52)

Lab Sample ID: 490-22570-26

Date Collected: 03/20/13 11:05
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68207	03/28/13 01:12	AF	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		10	68327	03/28/13 15:01	AF	TAL NSH

Client Sample ID: MW-9 (55-57)

Lab Sample ID: 490-22570-27

Date Collected: 03/20/13 11:20
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 13:30	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 13:22	AF	TAL NSH

Client Sample ID: MW-9 (60-62)

Lab Sample ID: 490-22570-28

Date Collected: 03/20/13 12:20
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 14:01	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (60-62)

Lab Sample ID: 490-22570-28

Date Collected: 03/20/13 12:20
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	68649	03/29/13 13:52	AF	TAL NSH

Client Sample ID: MW-9 (65-67)

Lab Sample ID: 490-22570-29

Date Collected: 03/20/13 12:30
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 14:31	AF	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 490-22570-30

Date Collected: 03/19/13 00:01
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 12:34	KK	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13 *

Analysis Method	Prep Method	Matrix	Analyte

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FO

490-22570 Chain of Custody

Cooler Received/Opened On 3/22/2013 @ 0800

1. Tracking # 8538 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 0.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) EA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA - Soils

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # N/A

I certify that I unloaded the cooler and answered questions 7-14 (intial) EF

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) EF

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) EF

I certify that I attached a label with the unique LIMS number to each container (intial) EF

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#

BIS = Broken in shipment

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/4/2013

Client Information	Sampler: Michael K DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 914 694 5711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 2
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days): STNDRD			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
				Preservation Code:						
1	MW-10 (2-3)	3/19/13	0755	G	S			X		
2	MW-10 (3-4)		0800							
3	MW-10 (5-7)		0850							
4	MW-10 (10-12)		0900							
5	MW-10 (15-17)		0930							
6	MW-10 (20-22)		0945							
7	MW-10 (25-27)		1010							
8	MW-10 (30-32)		1050							
9	MW-10 (35-37)		1100							
10	MW-10 (40-42)		1120							
11	MW-10 (45-47)		1140							

Loc: 490
22570

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Michael K. DeFelice	3/21/13 1700	LBG, INC.	0.7	3-22-13 08:00	TAN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Michael K. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 9146945711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 2 of 3
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days): STNDRD			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
12	MW-10 (50-52)	3/19/13	1225	G	S			X		
13	MW-10 (55-57)		1310							
14	MW-10 (60-62)		1350							
15	MW-10 (65-67)		1400							
16	MW-10 (70-72)		1450							
17	MW-9 (5-7)	3/20/13	0815							
18	MW-9 (10-12)		0840							
19	MW-9 (15-17)		0845							
20	MW-9 (20-22)		0900							
21	MW-9 (25-27)		0910							
22	MW-9 (30-32		1000							

Loc: 490
22570

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	3/21/13 1700	L36	[signature] 0.7	3-22-13 08:00	TAN
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

4/4/2013

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/4/2013

Client Information	Sampler: Michael K. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 9146945711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 3 of 3
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days): STNDRD			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
	Preservation Code:									
23	MW-9 (35-37)	3/20/13	1025					X		
24	MW-9 (40-42)		1040							
25	MW-9 (45-47)		1051							
26	MW-9 (50-52)		1105							
27	MW-9 (55-57)		1120							
28	MW-9 (60-62)		1220							
29	MW-9 (65-67)		1230							
30	TRIP BLANK	—	—					X		

Loc: 490
22570

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Michael K. DeFelice	3/21/13 1700	LBG		3-22-13 08:00	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Leggette, Brashears & Graham, Inc.

Job Number: 490-22570-1
SDG Number: 202-06 Hillside Avenue, Hollis, NY

Login Number: 22570
List Number: 1
Creator: Ford, Easton

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.7 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

B.2. Leggette, Brashears & Graham, Inc. Subsurface Investigation Report (June 2013)

LEGGETTE, BRASHEARS & GRAHAM, INC.

PROFESSIONAL GROUNDWATER AND
ENVIRONMENTAL ENGINEERING SERVICES

110 CORPORATE PARK DRIVE, SUITE 112
WHITE PLAINS, NY 10604
914-694-5711
FAX 914-694-5744
www.lbgweb.com

June 27, 2013

Via e-mail: ***jakollee@gw.dec.state.ny.us***

Mr. Jonathan Kolleeny
New York State Department of
Environmental Conservation, Region II
Hunter's Point Plaza
47-40 21st Street
Long Island City, NY 11101

RE: Subsurface Investigation Report
Cumberland Farms, Inc.
Hollis, New York
NYSDEC Spill No. 97-13740

Dear Mr. Kolleeny:

Attached is the Leggette, Brashears & Graham, Inc. (LBG) report titled: "Subsurface Investigation Report, Cumberland Farms, Inc., Station No. 70263, Property No. V2114, 202-06 Hillside Avenue, Hollis, Queens County, New York, NYSDEC Spill No. 97-13740" for your use.

If you have any questions or need any additional information please contact me at (914) 694-5711.

Very truly yours,

LEGGETTE, BRASHEARS & GRAHAM, INC.

Jorma Weber
Senior Associate

JW:dmd
Enclosure
cc: Chris Johnson
Bill Simmons

f:\reports\cfi\hollis\2013-02 ssi, mw install\letter.sp9713740.2013-06-27.subsurfaceinvestigationreport cover ltr.doc

SUBSURFACE INVESTIGATION REPORT
CUMBERLAND FARMS, INC.
STATION NO. 70263, PROPERTY NO. V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

Prepared For

Cumberland Farms, Inc.

June 2013

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Groundwater and Environmental Engineering Services
110 Corporate Park Drive, Suite 112
White Plains, NY 10604
(914) 694-5711

TABLE OF CONTENTS

Page

INTRODUCTION 1

FIELD ACTIVITES 1
- Drilling and Soil Sampling 1
- Monitor Well Installation 2
- Top of Casing Elevation Survey 2
- Groundwater Sampling 3

RESULTS OF THE INVESTIGATION 4
- Hydrogeologic Setting 4
- Soil Quality 4
- Groundwater Quality 5

CONCLUSIONS 5

APPENDIX

LIST OF TABLES
(at end of report)

Table

1	Fluid-Level Summary, May 7, 2013
2	Summary of Soil Quality, Volatile Organic Compounds – USEPA Method 8260, Collected March 19, 20, 2, and April 5, 2013
3	Summary of Water Quality, Volatile Organic Compounds – EPA Method 8260, Collected May 7 and 8, 2013

LIST OF FIGURES
(at end of report)

Figure

1 Site Plan

2 Groundwater Elevation Contour Map, May 7, 2013

SUBSURFACE INVESTIGATION REPORT
CUMBERLAND FARMS, INC.
STATION NO. 70263, PROPERTY NO. V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

INTRODUCTION

Cumberland Farms, Inc. (CFI) retained Leggette, Brashears & Graham, Inc. (LBG) to conduct a subsurface investigation at the Gulf gasoline filling station located at 202-06 Hillside Avenue, Hollis, New York (the Site) and the abutting upgradient property directly east of the site. The address of the abutting property is 202-16 Hillside Avenue and it is occupied by a dry-cleaning facility. Activities associated with the subsurface investigation included: the drilling of 5 soil borings and collection of soil samples during drilling activities, the installation of 5 monitor wells, a top of casing (TOC) elevation survey and, the collection of groundwater samples for laboratory analysis. The purpose of this investigation was to determine the source of dissolved volatile organic compounds (VOCs) beneath the Gulf gasoline station. A site plan is shown on figure 1.

FIELD ACTIVITIES

Drilling and Soil Sampling

Between March 19 and April 5, 2013, LBG personnel supervised the drilling of two soil borings at the site (MW-7 and MW-8), two soil borings at the adjacent dry-cleaner property (MW-9 and MW-10) and one soil boring within the sidewalk on the southwestern side of 202nd Street (MW-11). All of the borings were drilled by Longshore Environmental, Inc. (Longshore) of Holbrook, New York utilizing either hollow-stem auger or direct-push drilling methods. During the drilling activities at MW-8, MW-9 and MW-10 soil samples were collected every five feet using a 2-foot split-spoon sampler. The samples were collected from approximately 5 ft bg (feet below grade) to the groundwater interface, with an additional sample collected at the termination depth of the boring. During the drilling of MW-7 and MW-11 direct-push drilling equipment was used due to overhead utilities and an overhead canopy. Soil samples were collected continuously to the groundwater interface with an additional sample

collected at the termination depth of each boring using a dual-tube system with a 5-foot macro-core. The termination depths of all five soil borings were between 65 and 72 ft bg.

All of the soil samples were screened in the field with a photoionization detector (PID) for the presence of VOCs and described on a geologic log (Appendix I). All soil samples collected from the MW-7, MW-8, MW-9 and MW-10 borings were submitted to the laboratory for analysis. Three soil samples were submitted for analysis from the MW-11 soil boring including an overburden soil sample and two soil samples collected from the groundwater interface. All samples were collected in accordance with United States Environmental Protection Agency (USEPA) Method 5035, placed on ice in a cooler and transported under a Chain of Custody to TestAmerica, Inc. (TestAmerica) of Nashville, Tennessee for analysis of VOCs by USEPA Method 8260. All of the boring locations are shown on figure 1.

Monitor Well Installation

Between March 19 and April 5, 2013, LBG supervised the installation of five monitor wells (MW-7, MW-8, MW-9, MW-10 and MW-11) into the previously drilled soil borings. The monitor well locations are shown on figure 1.

The monitor wells were constructed of 20-feet of 2-inch diameter 20-slot PVC well screen set from approximately 45 ft bg to 65 ft bg with 2-inch diameter PVC riser set from the top of the well screen to grade. The annular space surrounding the well screen was filled with Number 2 filter sand from the bottom of the well screen to 2 feet above the top of the well screen. A 1-foot thick bentonite seal was placed on top of the sand pack and the remaining annular space was filled with drill cuttings. Each well was fitted with a watertight cap, locked for security and completed at grade with an 8-inch diameter roadbox encased in a concrete pad. The boring logs are included in Appendix I.

Top of Casing Elevation Survey

LBG personnel performed a TOC elevation survey of the newly installed monitor wells at the site on March 22 and April 17, 2013. The TOC survey utilized the previously existing monitor wells as benchmark elevations for the newly installed monitor wells. Well elevations are presented on table 1.

Groundwater Sampling

On May 7 and 8, 2013, groundwater samples were collected from all of the monitor wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, MW-10 and MW-11). Prior to sampling, the groundwater levels and total well depths were measured from the top of the well casing using an electronic interface probe accurate to 0.01 foot. The water-level measurements were used to determine the direction of groundwater flow and to calculate the hydraulic gradient.

The groundwater samples were collected from all of the wells using the low-flow sampling method. Groundwater was evacuated from each well using a submersible pump fitted with dedicated disposable polyethylene tubing. The pump intake was set approximately four to six feet below the top of the well screen within each well. Groundwater was purged for approximately 5 to 10 minutes from each well prior to measuring any parameters, in an attempt to minimize turbidity. Onsite field parameters were continually monitored by a Horiba U-22XD multiparameter water-quality monitoring system. Measurements for pH, conductivity, turbidity, dissolved oxygen (DO), temperature and oxygen reduction potential (ORP) were obtained simultaneously as the groundwater was pumped through a flow-through cell at a rate of 300-360 ml/min (milliliters per minute).

Field parameters were recorded every 3 minutes until stabilization was observed for three consecutive intervals. Stabilization requirements were recorded on individual low-flow sampling logs for each monitor well. Upon reaching stabilization, the effluent end of the polyethylene tubing running from the pump was disconnected from the flow-through cell and the groundwater samples were collected in laboratory prepared sample containers. After collecting a groundwater sample from each well, the flow-through cell and the pump were decontaminated with Alconox and water.

All of the samples were stored on ice in a cooler and delivered via overnight courier to TestAmerica for analysis of VOCs by EPA Method 8260 under chain-of-custody procedures.

RESULTS OF THE INVESTIGATION

Hydrogeologic Setting

The overburden in the vicinity of the newly installed monitor wells consists primarily of medium to coarse sand with some gravel. The depth to groundwater beneath and in the vicinity of the site on May 7, 2013 ranged from 48.55 ft btoc (feet below top of casing) in MW-5 to 56.68 ft btoc in MW-3. Based on these measurements, the groundwater flow direction beneath the site was toward the southwest, at an approximate hydraulic gradient of 0.002 ft/ft (foot per foot). A summary of groundwater elevations is shown on table 1 and a groundwater elevation contour map for May 7, 2013 is shown on figure 2. Geologic logs are included in Appendix I.

Soil Quality

The results of laboratory analysis indicate that chlorinated solvents were detected at concentrations exceeding NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs) in the soil samples collected from both soil borings located on the adjacent dry cleaner property (MW-9 and MW-10.) The specific solvents detected above NYSDEC UUSCOs were tetrachloroethene (as high as 1,810,000 ug/kg [micrograms per kilogram]) and the degradation products trichloroethene (as high as 220,000 ug/kg) and cis-1,2-dichloroethene (as high as 74,700 ug/kg). Chlorinated solvents were either not detected or were detected at concentrations which did not exceed NYSDEC UUSCOs in the soil samples collected from the MW-7 and MW-8 soil borings located on the CFI property.

The results of laboratory analysis indicate that several VOCs associated with petroleum were detected above NYSDEC UUSCOs in the soil samples collected between 30 ft bg and 57 ft bg from onsite soil boring MW-8. The detected concentrations ranged between 8,680 ug/kg (micrograms per kilogram) and 103,000 ug/kg. A summary of the soil quality is shown on table 2. A copy of the laboratory report is included in Appendix II.

Groundwater Quality

The results of the laboratory analysis indicate that tetrachloroethene was detected at concentrations exceeding NYSDEC Groundwater Quality Standards (GWQS) in all of the groundwater samples collected.

The results of the laboratory analysis also indicate that VOCs associated with petroleum were detected at concentrations exceeding NYSDEC Ground Water Quality Standards (GWQS) in 6 of the 10 groundwater samples collected. A summary of the groundwater quality is shown on table 3. A copy of the laboratory report is included in Appendix II.

CONCLUSIONS

Based on the results of this investigation, and specifically the soil sampling results, it is our opinion that the source of dissolved solvents in the groundwater beneath the Gulf gasoline station is located at the upgradient dry cleaning facility. It is also our opinion that the source of the dissolved VOCs associated with petroleum, is the onsite petroleum-impacted soil related to NYSDEC Spill No.97-13740.

LEGGETTE, BRASHEARS & GRAHAM, INC.

Michael K. De Felice
Senior Hydrogeologist

Jorma Weber
Senior Associate

Reviewed By:

John Benvegna, CPG
Vice President

dmd
June 27, 2013
f:\reports_fi\hollis\2013-02 asi, mw install\report.sp9713740-2013-06-27.hollis.subsurfaceinvestigation.doc

TABLES

TABLE 1

CUMBERLAND FARMS, INC.
STATION NO. 70263/V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

Fluid-Level Summary
May 7, 2013

Well Identification	Top of Casing Elevation (feet)	Depth To Product (ftbtoc)	Depth To Water (ftbtoc)	Product Thickness (ftbtoc)	Corrected Groundwater Elevation (feet)
MW-1	88.95	---	54.05	---	34.90
MW-2	89.91	---	54.97	---	34.94
MW-3	91.54	---	56.68	---	34.86
MW-4	88.61	---	53.77	---	34.84
MW-5	83.37	---	48.55	---	34.82
MW-7	88.94	---	54.00	---	34.94
MW-8	88.18	---	53.33	---	34.85
MW-9	90.75	---	55.81	---	34.94
MW-10	90.91	---	55.95	---	34.96
MW-11	86.11	---	51.32	---	34.79

ftbtoc = Feet below top of casing
NM = Not measured

TABLE 2

CUMBERLAND FARMS, INC.
STATION NO. 70263/V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

Summary of Soil Quality
Volatile Organic Compounds - USEPA Method 8260
Collected March 19, 20, 21, and April 5, 2013

Sample Identification	Sample Depth (ft bg) [1]	Benzene (ug/kg) [2]	Toluene (ug/kg)	Ethyl-benzene (ug/kg)	Total Xylenes (ug/kg)	Isopropyl benzene (ug/kg)	n-Propyl-benzene (ug/kg)	1,3,5-Trimethyl-benzene (ug/kg)	1,2,4-Trimethyl-benzene (ug/kg)	n-Butyl-benzene (ug/kg)	sec-Butyl-benzene (ug/kg)	tert-Butyl-benzene (ug/kg)	p-Iso-propyl-toluene (ug/kg)	Naph-thalene (ug/kg)	MTBE [3] (ug/kg)	Tetra-chloro-ethene (ug/kg)	Tri-chloro-ethene (ug/kg)	Cis-1,2-Dichloro ethene (ug/kg)	trans-1,2-Dichloro-ethene (ug/kg)
MW-7	5-10	<1.54	<1.54	<1.54	<3.85	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<3.85	<1.54	2.29	<1.54	<1.54	<1.54
	10-15	<1.70	<1.70	<1.70	<4.24	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<4.24	<1.70	<1.70	<1.70	<1.70	<1.70
	15-20	<2.24	<2.24	<2.24	<5.60	<2.24	<2.24	<2.24	<2.24	<2.24	<2.24	<2.24	<2.24	<5.60	<2.24	3.37	<2.24	<2.24	<2.24
	20-25	<1.88	<1.88	<1.88	<4.70	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<4.70	<1.88	7.48	<1.88	<1.88	<1.88
	25-30	<1.91	<1.91	<1.91	<4.78	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<4.78	<1.91	10.9	<1.91	<1.91	<1.91
	30-35	<2.09	<2.09	<2.09	<5.21	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<5.21	<2.09	18.0	<2.09	<2.09	<2.09
	35-40	<2.03	<2.03	<2.03	<5.07	<2.03	<2.03	<2.03	<2.03	<2.03	<2.03	<2.03	<2.03	<5.07	<2.03	7.61	<2.03	<2.03	<2.03
	40-45	<1.84	<1.84	<1.84	<4.60	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<1.84	<4.60	<1.84	11.3	<1.84	<1.84	<1.84
	45-50	<1.81	<1.81	<1.81	<4.52	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<1.81	<4.52	<1.81	6.64	<1.81	<1.81	<1.81
	50-55	<2.04	<2.04	<2.04	<5.11	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<5.11	<2.04	10.8	<2.04	<2.04	<2.04
MW-8	5-7	1.9	3.18	<1.54	<3.84	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<3.84	<1.54	4.03	<1.54	<1.54	<1.54
	20-22	<1.89	<1.89	<1.89	<4.73	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<1.89	<4.73	<1.89	<1.89	<1.89	<1.89	<1.89
	25-27	<1.87	<1.87	<1.87	<4.67	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<4.67	<1.87	<1.87	<1.87	<1.87	<1.87
	30-32	<98.5	387	3,240	41,300	1,180	6,630	27,900	96,700	18,200	1,400	<98.5	1,540	54,300	<98.5	187	<98.5	<98.5	<98.5
	35-37	2.84	24.1	87.4	3,570	22.3	126	1,870	7,000	1,110	18.0	<1.62	15.9	3,340	4.13	7.6	<1.62	<1.62	<1.62
	40-42	<91.4	404	8,680	54,600	2,110	10,700	29,500	103,000	15,400	1,800	<91.4	1,270	40,200	<91.4	<91.4	<91.4	<91.4	<91.4
	45-47	<1.80	9.50	4,100	25,000	85.6	4,380	12,800	46,100	6,270	61.3	<1.80	46.0	19,300	<1.80	<1.80	<1.80	<1.80	<1.80
	50-52	<1.98	<1.98	19.6	128	5.84	26.3	90.9	7,820	69.8	6.68	<1.98	4.66	2,740	<1.98	<1.98	<1.98	<1.98	<1.98
	55-57	<1.72	<1.72	144	572	163	1,080	3,000	8,420	1,230	101	<1.72	70.4	767	<1.72	64.5	<1.72	<1.72	<1.72
	60-62	<1.75	<1.75	1.76	8.73	<1.75	2.01	5.54	15.3	4.81	<1.75	<1.75	<1.75	5.04	<1.75	14.1	<1.75	<1.75	<1.75
	65-67	<1.73	<1.73	17.5	74.6	20.9	117	493	1,350	437	28.4	<1.73	18.7	91.4	<1.73	56.6	3.50	<1.73	<1.73
MW-9	5-7	<1.54	1.70	<1.54	7.83	<1.54	<1.54	<1.54	3.44	<1.54	<1.54	<1.54	<1.54	5.15	<1.54	4,220	21.7	8.22	<1.54
	10-12	<2.09	<2.09	<2.09	<5.23	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<2.09	<5.23	<2.09	2,430	18.9	14.7	<2.09
	15-17	<2.50	<2.50	<2.50	<6.25	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<6.25	<2.50	32.9	<2.50	2.00	<2.50
	20-22	<1.53	4.08	3.04	21.7	<1.53	<1.53	2.09	9.36	<1.53	<1.53	<1.53	<1.53	<3.62	<1.53	3,060	14.4	9.25	<1.53
	25-27	<1.98	<1.98	<1.98	<4.94	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<4.94	<1.98	26.6	<1.98	<1.98	<1.98
	30-32	<2.05	<2.05	<2.05	<5.13	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<5.13	<2.05	29.4	<2.05	<2.05	<2.05
	35-37	<1.80	<1.80	<1.80	<4.49	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<4.49	<1.80	14.4	<1.80	<1.80	<1.80
	40-42	<1.77	<1.77	<1.77	<4.42	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<1.77	<4.42	<1.77	44.3	1.93	29.6	<1.77
	45-47	<1.87	<1.87	<1.87	<4.67	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<1.87	<4.67	<1.87	32.4	<1.87	<1.89	<1.87
	50-52	<88.7	<88.7	<88.7	<222	<88.7	<88.7	<88.7	<88.7	<88.7	<88.7	<88.7	<88.7	5,480	<88.7	1,440	<88.7	<88.7	<88.7
	55-57	<1.98	<1.98	<1.98	<4.96	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<1.98	<4.96	<1.98	23.8	7.70	2.01	<1.98
	60-62	<1.79	<1.79	<1.79	<4.47	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<1.79	<4.47	<1.79	64.7	<1.79	<1.70	<1.79
	65-67	<1.63	<1.63	<1.63	<4.07	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63	<4.07	<1.63	21.9	<1.63	<1.63	<1.63

TABLE 2

CUMBERLAND FARMS, INC.
STATION NO. 70263/V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

Summary of Soil Quality
Volatile Organic Compounds - USEPA Method 8260
Collected March 19, 20, 21, and April 5, 2013

Sample Identification	Sample Depth (ft bg) [1]	Benzene (ug/kg) [2]	Toluene (ug/kg)	Ethyl-benzene (ug/kg)	Total Xylenes (ug/kg)	Isopropyl benzene (ug/kg)	n-Propyl-benzene (ug/kg)	1,3,5-Trimethyl-benzene (ug/kg)	1,2,4-Trimethyl-benzene (ug/kg)	n-Butyl-benzene (ug/kg)	sec-Butyl-benzene (ug/kg)	tert-Butyl-benzene (ug/kg)	p-Iso-propyl-toluene (ug/kg)	Naph-thalene (ug/kg)	MTBE [3] (ug/kg)	Tetra-chloro-ethene (ug/kg)	Tri-chloro-ethene (ug/kg)	Cis-1,2-Dichloro ethene (ug/kg)	trans-1,2-Dichloro-ethene (ug/kg)
MW-10	2-3	<1,430	<1,430	<1,430	<3,580	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<3,580	<1,430	185,000	25,000	3,020	<1,430
	3-4	<1,430	<1,430	<1,430	<3,580	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<1,430	<3,580	<1,430	1,810,000	220,000	74,700	<1,430
	5-7	<1,490	<1,490	<1,490	<3,740	<1,490	<1,490	<1,490	<1,490	<1,490	<1,490	<1,490	<1,490	<3,740	<1,490	148,000	16,700	14,700	<1,490
	10-12	<1,420	<1,420	<1,420	<3,560	<1,420	<1,420	<1,420	<1,420	<1,420	<1,420	<1,420	<1,420	<3,560	<1,420	126,000	10,900	10,300	<1,420
	15-17	<1.45	<1.45	<1.45	<3.62	<1.45	<1.45	<1.45	<1.45	<1.45	<1.45	<1.45	<1.45	<3.62	<1.45	1,110	117	189	13.5
	20-22	<1.95	<1.95	<1.95	<4.86	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<1.95	<4.86	<1.95	111	15.0	26.6	<1.95
	25-27	<1.83	<1.83	<1.83	<4.57	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<1.83	<4.57	<1.83	2,300	303	965	5.83
	30-32	<1.91	<1.91	<1.91	<4.77	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<4.77	<1.91	89.0	12.7	24.3	<1.91
	35-37	<1.96	<1.96	<1.96	<4.89	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<1.96	<4.89	<1.96	857	21.8	28.8	<1.96
	40-42	<89.3	<89.3	<89.3	<223	<89.3	<89.3	<89.3	<89.3	<89.3	<89.3	<89.3	<89.3	<223	<89.3	17,600	2,120	2,280	<89.3
	45-47	<1,350	<1,350	<1,350	<3,370	<1,350	<1,350	<1,350	<1,350	<1,350	<1,350	<1,350	<1,350	<3,370	<1,350	92,000	8,190	5,680	<1,350
	50-52	<1.69	<1.69	<1.69	<4.23	<1.69	<1.69	<1.69	<1.69	<1.69	<1.69	<1.69	<1.69	<4.23	<1.69	36.4	3.54	5.31	<1.69
	55-57	<62.9	<62.9	<62.9	<157	<62.9	<62.9	<62.9	<62.9	<62.9	<62.9	<62.9	<62.9	<157	<62.9	44,800	3,700	2,540	<62.9
	60-62	<90.7	<90.7	<90.7	<227	<90.7	<90.7	<90.7	<90.7	<90.7	<90.7	<90.7	<90.7	<227	<90.7	10,300	2,070	800	<90.7
	65-67	<1.66	<1.66	<1.66	<4.16	<1.66	<1.66	<1.66	<1.66	<1.66	<1.66	<1.66	<1.66	<4.16	<1.66	3,060	136	113	<1.66
	70-72	<2.04	<2.04	<2.04	<5.10	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<5.10	<2.04	49.7	7.08	11.7	<2.04
MW-11	25-30	<1.94	<1.94	<1.94	<4.86	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<4.86	<1.94	<1.94	<1.94	<1.94	<1.94
	55-60	<1.94	<1.94	<1.94	<4.84	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<1.94	<4.84	<1.94	<1.94	<1.94	<1.94	<1.94
	60-65	<1.85	<1.85	92.0	<5.10	2.10	7.59	<1.85	<1.85	<1.85	<1.85	<1.85	<1.85	51.6	<1.85	<1.85	<1.85	<1.85	<1.85
6NYCRR 375-6.8(a) [4]		**60**	**700**	**1,000**	**260**	**2,300***	**3,900**	**8,400**	**3,600**	**12,000**	**11,000**	**5,900**	**10,000***	**12,000**	**930**	**1,300**	**470**	**250**	**190**

1) Feet below grade
2) Micrograms per kilogram
3) Methyl tertiary-butyl ether

4) 6NYCRR PART 375 (Dec 14, 2006): Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
*NYSDEC CP-51: Supplemental soil cleanup objectives; Protection of Groundwater

TABLE 3

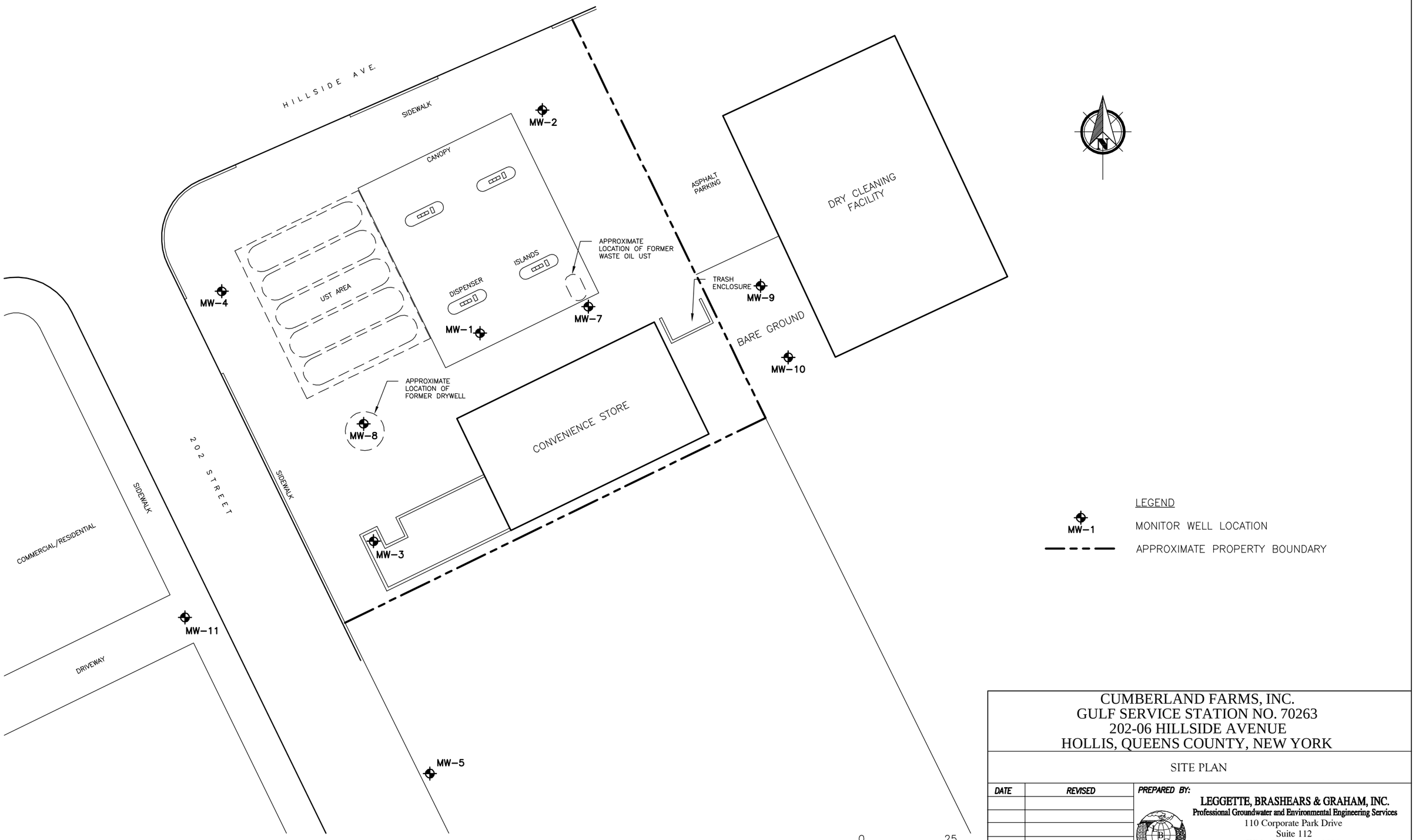
CUMBERLAND FARMS, INC.
STATION NO. 70263/V2114
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK
NYSDEC SPILL NO. 97-13740

Summary of Water Quality
Volatile Organic Compounds - EPA Method 8260
Collected May 7 and 8, 2013

Sample I.D.	Benzene (ug/l) [1]	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	Isopropyl-benzene (ug/l)	n-Propyl-benzene (ug/l)	1,3,5-Trimethyl-benzene (ug/l)	1,2,4-Trimethyl-benzene (ug/l)	n-Butyl-benzene (ug/l)	sec-Butyl-benzene (ug/l)	tert-Butyl-benzene (ug/l)	p-Iso-propyl-toluene (ug/l)	Naph-thalene (ug/l)	MTBE [2] (ug/l)	Tetra-chloro-ethene (ug/l)	Tri-chloro-ethene (ug/l)	Cis-1,2-Dichloro ethene (ug/l)
MW-1	4.71	2.40	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	194	1.4	<1.00
MW-2	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	39.5	<1.00	<1.00
MW-3	<1.00	4.30	69.7	369	8.16	28.6	412	803	<1.00	<1.00	<1.00	2.73	104	<1.00	328	64.2	86.2
MW-4	<1.00	<1.00	1.60	5.28	<1.00	<1.00	2.33	9.15	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	293	3.32	1.31
MW-5	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	2,020	6.12	6.86
MW-7	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	1.23	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	339	8.45	10.2
MW-8	<1.00	14.5	146	548	72.3	296	844	2,490	130	20.5	<1.00	15.2	216	<1.00	491	103	73.6
MW-9	<1.00	<1.00	<1.00	3.74	<1.00	<1.00	1.69	4.86	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	753	8.76	13.1
MW-10	<1.00	<1.00	1.95	9.95	<1.00	1.5	3.89	11.7	1.57	<1.00	<1.00	<1.00	<5.00	<1.00	325	4.23	5.64
MW-11	<1.00	<1.00	612	2,330	89.1	278	824	3,140	71.5	11.7	<1.00	9.57	457	<1.00	169	109	375
TOGS GWQS [3]	**1**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**10**	**5**	**5**	**5**

1) Micrograms per liter
2) Methyl tertiary-butyl ether
3) Technical and Operational Guidance Series Ground Water Quality Standards

FIGURES



O:\DWG\Cumfarm\Sonoma\Hollis\Site Plan (April2013).dwg, Layout1, 6/24/2013 10:09:08 AM, AcroPlot.pc3

CUMBERLAND FARMS, INC.
GULF SERVICE STATION NO. 70263
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK

SITE PLAN

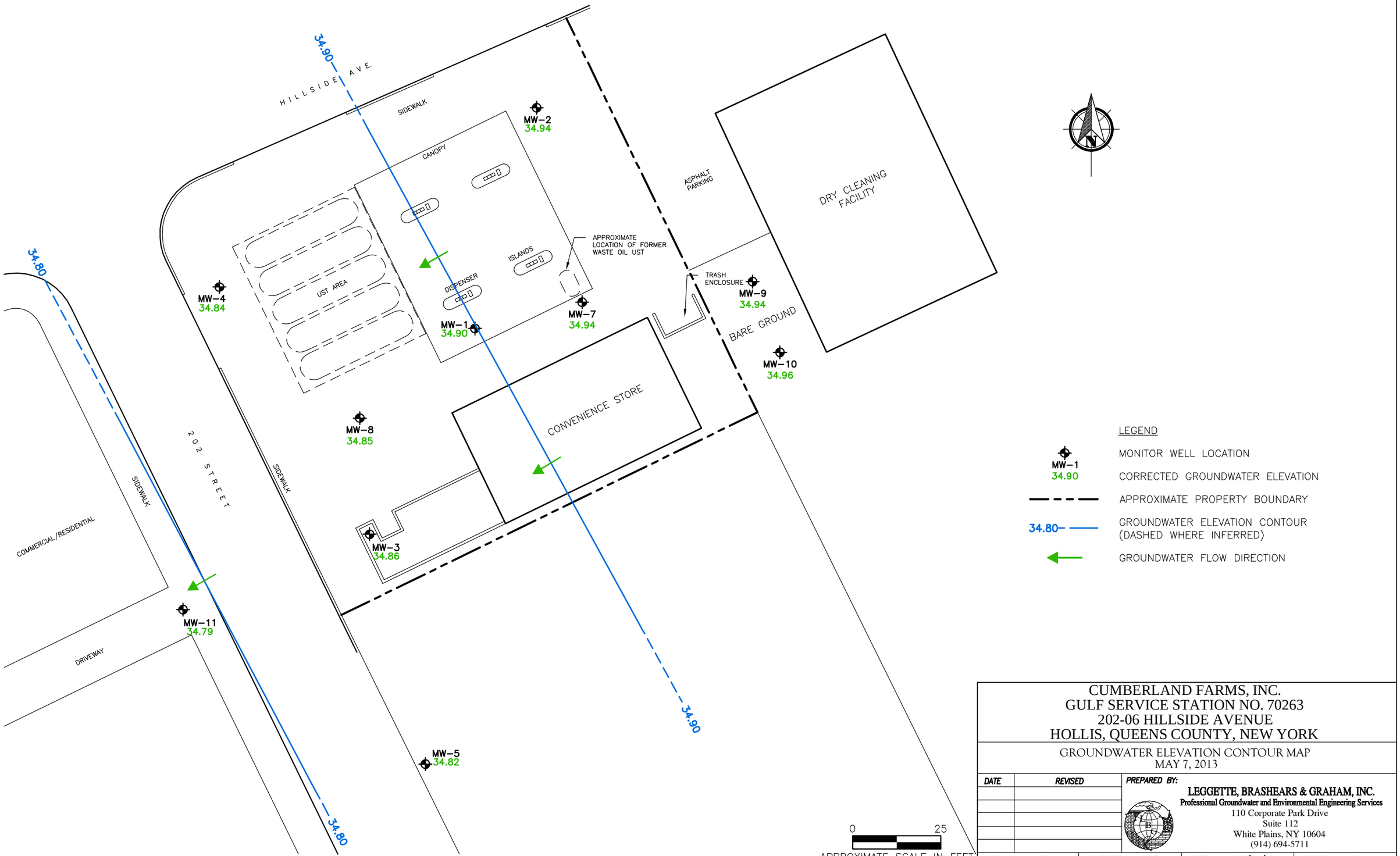
DATE	REVISED

PREPARED BY:

LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Groundwater and Environmental Engineering Services
110 Corporate Park Drive
Suite 112
White Plains, NY 10604
(914) 694-5711

DRAWN:	MRV	CHECKED:	MR	DATE:	06/24/13	FIGURE:	1

O:\DWG\Apple Ridge\PDFs\ClusterPlan Cropped.PDF



CUMBERLAND FARMS, INC.
GULF SERVICE STATION NO. 70263
202-06 HILLSIDE AVENUE
HOLLIS, QUEENS COUNTY, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP
MAY 7, 2013

DATE	REVISED

PREPARED BY:
LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Groundwater and Environmental Engineering Services
110 Corporate Park Drive
Suite 112
White Plains, NY 10604
(914) 694-5711

DRAWN:	MRV	CHECKED:	MR	DATE:	06/24/13	FIGURE:	2

O:\DWG\Cumfarm\SonomaHollis\2013\F2May2013.dwg, Layout1, 6/24/2013 10:09:22 AM, AcroPlot.pc3

O:\DWG\Apple Ridge\PDFs\ClusterPlan Cropped.PDF

APPENDIX I

GEOLOGIC LOG LEGGETTE, BRASHEARS & GRAHAM, INC. WHITE PLAINS, NEW YORK	**OWNER:** Cumberland Farms, Inc. **WELL NO.:** MW-7 **PAGE:** 1 **OF** 1 **PAGE**
SITE LOCATION: Cumberland Farms, Inc. 202-06 Hillside Avenue Hollis, New York	**SCREEN SIZE & TYPE:** 2-inch Sch. 40 PVC **SLOT NO.:** 20 **SETTING:** 45-65 ft bg
DATE COMPLETED: March 22, 2013	**SAND PACK SIZE & TYPE:** #2 filter
DRILLING COMPANY: Longshore Environmental Holbrook, New York	**SETTING:** 43-65 ft bg
	CASING SIZE & TYPE: 2-inch Sch. 40 PVC
DRILLING METHOD: Geoprobe	**SETTING:** 0-45 ft bg
SAMPLING METHOD: 5-foot macrocore/dual tube	**SEAL TYPE:** Bentonite chips
OBSERVER: Mike De Felice	**SETTING:** 42-43 ft bg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE:** Cuttings
ELEVATION OF RP: Unknown	**STATIC WATER LEVEL:** N/A
STICK-UP: N/A	**DEVELOPMENT METHOD:** N/A
SURFACE COMPLETION: 8-inch manhole set in 14-inch round concrete pad	**DURATION:** N/A **YIELD:** N/A
REMARKS:	
ABBREVIATIONS: **SS = split spoon W = wash C = cuttings G = grab ST = shelby tube MC = Macrocore REC = Recovery PPM = parts per million**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
5	10	MC	N/A	2	0.00	SAND; trace fill, moist, brown, no odor.
10	15	MC	N/A	2	0.00	SAND; medium, moist, brown, no odor.
15	20	MC	N/A	4	0.00	SAND; medium, moist, brown, no odor.
20	25	MC	N/A	4	0.00	SAND; medium, moist, brown, no odor.
25	30	MC	N/A	4	0.00	SAND; medium, moist, brown, no odor.
30	35	MC	N/A	3	0.00	SAND; medium, moist, brown, no odor.
35	40	MC	N/A	3	0.00	SAND; medium, moist, brown, no odor.
40	45	MC	N/A	3	0.00	SAND AND GRAVEL; coarse sand, moist, brown, no odor.
45	50	MC	N/A	3	0.00	SAND AND GRAVEL; coarse sand, moist, brown, no odor.
50	55	MC	N/A	3	0.00	SAND AND GRAVEL; coarse sand, moist, no odor.
55	60	MC	---	---	---	No recovery.
60	65	MC	---	---	---	No recovery.

GEOLOGIC LOG LEGGETTE, BRASHEARS & GRAHAM, INC. WHITE PLAINS, NEW YORK	**OWNER:** Cumberland Farms, Inc. **WELL NO.:** MW-8 **PAGE:** 1 **OF** 2 **PAGE**
SITE LOCATION: Cumberland Farms, Inc. 202-06 Hillside Avenue Hollis, New York	**SCREEN SIZE & TYPE:** 2-inch Sch. 40 PVC **SLOT NO.:** 20 **SETTING:** 45-65 ft bg
DATE COMPLETED: March 21, 2013	**SAND PACK SIZE & TYPE:** #2 filter **SETTING:** 43-65 ft bg
DRILLING COMPANY: Longshore Environmental Holbrook, New York	**CASING SIZE & TYPE:** 2-inch Sch. 40 PVC **SETTING:** 0-45 ft bg
DRILLING METHOD: 4 1/4-inch hollow-stem auger	
SAMPLING METHOD: 2.0 foot split spoon	**SEAL TYPE:** Bentonite chips **SETTING:** 42-43 ft bg
OBSERVER: Mike De Felice	
REFERENCE POINT (RP): Grade	**BACKFILL TYPE:** Cuttings
ELEVATION OF RP: Unknown	**STATIC WATER LEVEL:** N/A
STICK-UP: N/A	**DEVELOPMENT METHOD:** N/A
SURFACE COMPLETION: 8-inch manhole set in 14-inch round concrete pad	**DURATION:** N/A **YIELD:** N/A
REMARKS:	
ABBREVIATIONS: **SS = split spoon W = wash C = cuttings G = grab ST = shelby tube MC = Macrocore REC = Recovery PPM = parts per million**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
5	7	SS	1-1-1-4	0.75	0.0	SAND; medium to fine, moist, brown, no odor.
10	12	SS	4-6-4-5	0	---	No recovery.
15	17	SS	4-7-5-7	0	---	No recovery - rock in tip of split spoon.
20	22	SS	4-7-9-8	2	0.0	SAND; medium to coarse, brown, moist, no odor.
25	27	SS	6-9-10-12	2	0.0	SAND; medium to coarse, brown, moist, no odor.
30	32	SS	9-11-13-11	1.75	218	SAND; medium to coarse, brown, moist, odor.
35	37	SS	38/6"	.50	82	SAND; fine to medium, brown, trace gravel, odor.
40	42	SS	35-20-11-14	1.50	329	SAND; fine to coarse, some gravel, moist, brown, odor.
45	47	SS	11-9-24-14	2.0	216	SAND; fine to coarse, some gravel, moist, brown, odor.

OWNER: Cumberland Farms, Inc.

WELL NO.: MW-8 **PAGE:** 2 **OF** 2 **PAGES**

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (ppm)	DESCRIPTION
50	52	SS	13-10-13-12	2.0	282	SAND; fine to coarse, some gravel, moist, brown, odor.
55	57	SS	7-8-5-5	2.0	142	SAND; fine to coarse, some gravel, moist, brown, odor.
60	62	SS	4-3-3-15	2.0	44	SAND; fine to coarse, some gravel, moist, brown, odor.
65	67	SS	4-5-5-5	2.0	122	SAND; fine to coarse, some gravel, saturated, brown, odor.

dmd
June 25, 2013
f:\reports\cfi\hollis\2013-02 ssi, mw install\mw7 thru mw11 logs.docx

GEOLOGIC LOG LEGGETTE, BRASHEARS & GRAHAM, INC. WHITE PLAINS, NEW YORK		OWNER: Cumberland Farms, Inc. WELL NO.: MW-9 PAGE: 1 OF 2 PAGE
SITE LOCATION:	Cumberland Farms, Inc. 202-16 Hillside Avenue Hollis, New York	**SCREEN SIZE & TYPE:** 2-inch diameter Sch. 40 PVC **SLOT NO.:** 20 **SETTING:** 45-65 ft bg
DATE COMPLETED:	March 20, 2013	**SAND PACK SIZE & TYPE:** #2 filter
DRILLING COMPANY:	Longshore Environmental Holbrook, New York	**SETTING:** 43-65 ft bg
		CASING SIZE & TYPE: 2-inch diameter Sch. 40 PVC
DRILLING METHOD:	Hollow-stem auger	**SETTING:** 0-45 ft bg
SAMPLING METHOD:	Split spoon	**SEAL TYPE:** Bentonite chips
OBSERVER:	Mike De Felice	**SETTING:** 42-43 ft bg
REFERENCE POINT (RP):	Grade	**BACKFILL TYPE:** Cuttings
ELEVATION OF RP:	Unknown	**STATIC WATER LEVEL:** N/A
STICK-UP:	N/A	**DEVELOPMENT METHOD:** N/A
SURFACE COMPLETION:	2 x 2 concrete pad with 8-inch manhole	**DURATION:** N/A **YIELD:** N/A
REMARKS:		
ABBREVIATIONS:	**SS = split spoon W = wash C = cuttings G = grab ST = shelby tube MC = Macrocore REC = Recovery PPM = parts per million**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
5	7	SS	1-3-3-6	1.5	1.4	SAND; fine to medium, trace silt, trace gravel/fill, moist, brown, no odor.
10	12	SS	3-14-10-11	0.30	0.7	SAND, medium, fill (concrete), dry, brown, no odor.
15	17	SS	3-4-4-6	2.0	0.2	SAND; medium, moist, brown; no odor.
20	22	SS	5-10-11-8	0.50	0.7	SAND; medium, moist, brown, no odor.
25	27	SS	5-8-7-9	1.50	0.2	SAND; coarse to medium, brown, moist, no odor.
30	32	SS	7-8-9-10	2.0	0.2	SAND AND GRAVEL; sand coarse to fine, moist, brown, no odor.
35	37	SS	7-12-16-17	2.0	0.7	SAND AND GRAVEL; sand, coarse to fine, moist, brown, no odor.
40	42	SS	7-12-18-16	2.0	1.1	SAND; coarse to medium, some gravel, moist, brown, no odor.
45	47	SS	7-10-13-14	2.0	0.2	SAND; coarse, brown, no odor, moist.
50	52	SS	8-9-12-13	2.0	0.2	SAND; coarse, moist, brown, no odor.

OWNER: Cumberland Farms, Inc.

WELL NO.: MW-9 **PAGE:** 2 **OF** 2 **PAGES**

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (ppm)	DESCRIPTION
55	57	SS	8-9-10-8	2.0	2.0	SAND; coarse, saturated, brown, no odor.
60	62	SS	8-10-11-15	2.0	1.0	SAND; coarse, some gravel, brown, no odor.
65	67	SS	5-4-8-12	2.0	1.7	SAND; coarse, some gravel, saturated, brown, no odor.

dmd
June 25, 2013
f:\reports\cfi\hollis\2013-02 ssi, mw install\mw7 thru mw11 logs.docx

GEOLOGIC LOG LEGGETTE, BRASHEARS & GRAHAM, INC. WHITE PLAINS, NEW YORK	**OWNER:** Cumberland Farms, Inc. **WELL NO.:** MW-10 **PAGE:** 1 **OF** 2 **PAGE**
SITE LOCATION: Cumberland Farms, Inc. 202-16 Hillside Avenue Hollis, New York	**SCREEN SIZE & TYPE:** 2-inch Sch. 40 PVC **SLOT NO.:** 20 **SETTING:** 45-65 ft bg
DATE COMPLETED: March 19, 2013	**SAND PACK SIZE & TYPE:** #2 filter **SETTING:** 43-65 ft bg
DRILLING COMPANY: Longshore Environmental Holbrook, New York	**CASING SIZE & TYPE:** 2-inch Sch. 40 PVC **SETTING:** 0-45 ft bg
DRILLING METHOD: 4 1/4-inch hollow-stem auger	
SAMPLING METHOD: Split spoon	**SEAL TYPE:** Bentonite chips **SETTING:** 42-43 ft bg
OBSERVER: Mike De Felice	
REFERENCE POINT (RP): Grade	**BACKFILL TYPE:** Cuttings
ELEVATION OF RP: Unknown	**STATIC WATER LEVEL:** N/A
STICK-UP: N/A	**DEVELOPMENT METHOD:** N/A
SURFACE COMPLETION: 2' x 2' concrete pad with 8-inch manhole	**DURATION:** N/A **YIELD:** N/A
REMARKS: Hand clearing - 2-3 ft bg soil, PID = 215 rpm, 3-4 ft bg PID =1,181 ppm	
ABBREVIATIONS: **SS = split spoon W = wash C = cuttings G = grab ST = shelby tube** **MC = Macrocore REC = Recovery PPM = parts per million**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
2	3	C	---	---	215	SAND; fine to coarse, moist, brown, odor.
3	4	C	---	---	1,181	SAND; fine to coarse, moist, brown, odor.
5	7	SS	1	1.50	41	SAND; coarse to medium, trace gravel, trace fill, moist, brown, no odor.
10	12	SS	1	2	79	SAND; coarse to medium, gravel, fill, brown, moist, no odor, trace silt, trace clay.
15	17	SS	---	1.50	17	SAND; fine to medium, trace gravel, trace silt, moist, brown, no odor.
20	22	SS	---	2	4.9	SAND, fine to medium, trace gravel, brown, moist, no odor.
25	27	SS	3-9-10-12	1.75	2	SAND, fine to coarse, trace gravel, trace silt, moist, brown, no odor.
30	32	SS	7-11-15-20	2	2	SAND, fine to coarse, some gravel, moist, brown, no odor.
35	37	SS	8-12-17/20	1.0	2	SAND; fine to coarse, some gravel, moist, brown, no odor.

OWNER: Cumberland Farms, Inc.

WELL NO.: MW-10 **PAGE:** 2 **OF** 2 **PAGES**

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (ppm)	DESCRIPTION
40	42	SS	31-33-18-27	2	3	SAND; fine to coarse, moist, brown, no odor, trace gravel.
45	47	SS	12	1.0	5	SAND; fine to coarse, moist, brown, no odor.
50	52	SS	13-14-15-12	1.0	0.0	SAND; fine to coarse, moist, brown, no odor.
55	57	SS	16-21-20-18	.50	32.0	SAND; fine to coarse, saturated, brown, no odor.
60	62	SS	4-5-11-19	2.0	41.0	SAND; fine to coarse, trace gravel, brown, saturated, no odor.
65	67	SS	4-5-7-9	2.0	27.0	SAND; fine to coarse, trace gravel, saturated, brown, no odor.
70	72	SS	4-3-7-14	2	2.5	SAND; fine to coarse, trace gravel, saturated, brown, no odor.

dmd
June 25, 2013
f:\reports\cfi\hollis\2013-02 ssi, mw install\mw7 thru mw11 logs.docx

GEOLOGIC LOG LEGGETTE, BRASHEARS & GRAHAM, INC. WHITE PLAINS, NEW YORK	**OWNER:** Cumberland Farms, Inc. **WELL NO.:** MW-11 **PAGE:** 1 **OF** 1 **PAGE**
SITE LOCATION: Cumberland Farms, Inc. 202-06 Hillside Avenue Hollis, New York	**SCREEN SIZE & TYPE:** 2-inch Sch.40 PVC **SLOT NO.:** 20 **SETTING:** 45-65 ft bg
DATE COMPLETED: April 5, 2013	**SAND PACK SIZE & TYPE:** #2 filter **SETTING:** 43-65 ft bg
DRILLING COMPANY: Longshore Environmental Holbrook, New York	**CASING SIZE & TYPE:** 2-inch Sch.40 PVC **SETTING:** 0-45 ft bg
DRILLING METHOD: Geoprobe	
SAMPLING METHOD: Macrocore (5 feet)/dual tube	**SEAL TYPE:** Bentonite chips **SETTING:** 42-43 ft bg
OBSERVER: Mike De Felice	
REFERENCE POINT (RP): Grade	**BACKFILL TYPE:** Cuttings
ELEVATION OF RP: Unknown	**STATIC WATER LEVEL:** N/A
STICK-UP: N/A	**DEVELOPMENT METHOD:** N/A
SURFACE COMPLETION: 8-inch diameter manhole set in 12-inch round concrete pad	**DURATION:** N/A **YIELD:** N/A
REMARKS:	
ABBREVIATIONS: **SS = split spoon W = wash C = cuttings G = grab ST = shelby tube MC = Macrocore REC = Recovery PPM = parts per million**	

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
4	5	Cuttings	N/A	N/A	0.00	SAND; fine to medium, some silt, brown, moist, no odor.
5	10	MC	N/A	3	0.00	SAND; fine to medium, some silt, brown, moist, no odor.
15	20	MC	N/A	2.5	0.00	SAND; fine to medium, trace silt, brown, moist, no odor.
25	30	MC	N/A	2.5	0.00	SAND; fine to medium, brown, moist, no odor.
35	40	MC	N/A	4.0	0.00	SAND; coarse, trace gravel, brown, moist, no odor.
45	50	MC	N/A	3.5	0.00	SAND; coarse, some gravel, brown, moist, no odor.
55	60	MC	N/A	3.0	0.00	SAND; coarse, some gravel, brown, moist, no odor.
60	65	MC	N/A	3.0	41.0	SAND; coarse, some gravel, brown, moist, odor.

dmd
June 25, 2013
f:\reports\cfi\hollis\2013-02 ssi, mw install\mw7 thru mw11 logs.docx

APPENDIX II

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-22732-1
TestAmerica SDG: 202-06 Hillside Avenue, Hollis, NY
Client Project/Site: CFI Hollis 70263 / V2114

For:
Leggette, Brashears & Graham, Inc.
110 Corporate Park Drive, Suite 112
White Plains, New York 10604

Attn: Jorma Weber

Authorized for release by:
4/9/2013 12:45:17 PM
Leah Klingensmith
Senior Project Manager
leah.klingensmith@testamericainc.com

Designee for

Sherry Salomon
Project Mgmt. Assistant
sherry.salomon@testamericainc.com

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

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

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 28
QC Association 39
Chronicle 40
Method Summary 42
Certification Summary 43
Chain of Custody 47
Receipt Checklists 49

Sample Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-22732-1	MW-7 (5-10)	Soil	03/22/13 08:00	03/26/13 08:30
490-22732-2	MW-7 (10-15)	Soil	03/22/13 08:10	03/26/13 08:30
490-22732-3	MW-7 (15-20)	Soil	03/22/13 08:15	03/26/13 08:30
490-22732-4	MW-7 (20-25)	Soil	03/22/13 08:25	03/26/13 08:30
490-22732-5	MW-7 (25-30)	Soil	03/22/13 08:32	03/26/13 08:30
490-22732-6	MW-7 (30-35)	Soil	03/22/13 08:45	03/26/13 08:30
490-22732-7	MW-7 (35-40)	Soil	03/22/13 09:15	03/26/13 08:30
490-22732-8	MW-7 (40-45)	Soil	03/22/13 09:30	03/26/13 08:30
490-22732-9	MW-7 (45-50)	Soil	03/22/13 09:50	03/26/13 08:30
490-22732-10	MW-7 (50-55)	Soil	03/22/13 10:00	03/26/13 08:30
490-22732-11	TRIP BLANK	Soil	03/22/13 00:01	03/26/13 08:30

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Job ID: 490-22732-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-22732-1

Comments
No additional comments.

Receipt
The samples were received on 3/26/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9º C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 69193 were outside control limits. This is attributed to: possible poor purge of MSD and matrix interferences.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): (490-23072-6 MSD). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 69193 exceeded control limits for the following analytes: Chlorobenzene, 1,1-Dichloroethene,1,2-Dichloropropane, t-1,2-Dichloroethene, and 1,1-Dichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 69464 exceeded control limits for the following analytes: 1,2-Dichloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 69464.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

The laboratory is only responsible for the certified testing and is not responsible for the sample integrity prior to laboratory receipt.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
E	Result exceeded calibration range.

Glossary

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

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (5-10)
Date Collected: 03/22/13 08:00
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-1
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1,1-Trichloroethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1,2,2-Tetrachloroethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1,2-Trichloroethane	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1-Dichloroethane	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1-Dichloroethene	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,1-Dichloropropene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2,3-Trichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2,3-Trichloropropane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2,4-Trichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2,4-Trimethylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dibromo-3-Chloropropane	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dibromoethane (EDB)	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dichloroethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,2-Dichloropropane	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,3,5-Trimethylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,3-Dichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,3-Dichloropropane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
1,4-Dichlorobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
2,2-Dichloropropane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
2-Butanone (MEK)	ND		38.5		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
2-Chlorotoluene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
2-Hexanone	ND		38.5		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
4-Chlorotoluene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		38.5		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Acetone	**118**		38.5		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Benzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromobenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromochloromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromodichloromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromoform	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Bromomethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Carbon disulfide	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Carbon tetrachloride	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chlorobenzene	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chlorodibromomethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chloroethane	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chloroform	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Chloromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
cis-1,2-Dichloroethene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
cis-1,3-Dichloropropene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Dibromomethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Dichlorodifluoromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Ethylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Hexachlorobutadiene	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Isopropylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Methyl tert-butyl ether	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Methylene Chloride	ND		7.69		ug/Kg		03/26/13 18:06	04/01/13 16:20	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (5-10)
Date Collected: 03/22/13 08:00
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-1
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
n-Butylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
N-Propylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
p-Isopropyltoluene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
sec-Butylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Styrene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
tert-Butylbenzene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Tetrachloroethene	**2.29**		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Toluene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
trans-1,2-Dichloroethene	ND	*	1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
trans-1,3-Dichloropropene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Trichloroethene	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Trichlorofluoromethane	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Vinyl chloride	ND		1.54		ug/Kg		03/26/13 18:06	04/01/13 16:20	1
Xylenes, Total	ND		3.85		ug/Kg		03/26/13 18:06	04/01/13 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:20*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:20*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:20*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:20*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (10-15)
Date Collected: 03/22/13 08:10
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-2
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1,1-Trichloroethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1,2,2-Tetrachloroethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1,2-Trichloroethane	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1-Dichloroethane	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1-Dichloroethene	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,1-Dichloropropene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2,3-Trichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2,3-Trichloropropane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2,4-Trichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2,4-Trimethylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dibromo-3-Chloropropane	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dibromoethane (EDB)	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dichloroethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,2-Dichloropropane	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,3,5-Trimethylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,3-Dichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,3-Dichloropropane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
1,4-Dichlorobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
2,2-Dichloropropane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
2-Butanone (MEK)	ND		42.4		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
2-Chlorotoluene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
2-Hexanone	ND		42.4		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
4-Chlorotoluene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		42.4		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Acetone	ND		42.4		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Benzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromobenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromochloromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromodichloromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromoform	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Bromomethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Carbon disulfide	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Carbon tetrachloride	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chlorobenzene	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chlorodibromomethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chloroethane	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chloroform	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Chloromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
cis-1,2-Dichloroethene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
cis-1,3-Dichloropropene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Dibromomethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Dichlorodifluoromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Ethylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Hexachlorobutadiene	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Isopropylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Methyl tert-butyl ether	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Methylene Chloride	ND		8.49		ug/Kg		03/26/13 18:06	04/01/13 16:49	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (10-15)
Date Collected: 03/22/13 08:10
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-2
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
n-Butylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
N-Propylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
p-Isopropyltoluene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
sec-Butylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Styrene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
tert-Butylbenzene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Tetrachloroethene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Toluene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
trans-1,2-Dichloroethene	ND	*	1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
trans-1,3-Dichloropropene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Trichloroethene	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Trichlorofluoromethane	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Vinyl chloride	ND		1.70		ug/Kg		03/26/13 18:06	04/01/13 16:49	1
Xylenes, Total	ND		4.24		ug/Kg		03/26/13 18:06	04/01/13 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:49*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:49*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/26/13 18:06*	*04/01/13 16:49*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (15-20)
Date Collected: 03/22/13 08:15
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-3
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1,1-Trichloroethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1,2,2-Tetrachloroethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1,2-Trichloroethane	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1-Dichloroethane	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1-Dichloroethene	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,1-Dichloropropene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2,3-Trichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2,3-Trichloropropane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2,4-Trichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2,4-Trimethylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dibromo-3-Chloropropane	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dibromoethane (EDB)	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dichloroethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,2-Dichloropropane	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,3,5-Trimethylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,3-Dichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,3-Dichloropropane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
1,4-Dichlorobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
2,2-Dichloropropane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
2-Butanone (MEK)	ND		56.0		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
2-Chlorotoluene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
2-Hexanone	ND		56.0		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
4-Chlorotoluene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
4-Methyl-2-pentanone (MIBK)	ND		56.0		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Acetone	ND		56.0		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Benzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromobenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromochloromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromodichloromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromoform	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Bromomethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Carbon disulfide	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Carbon tetrachloride	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chlorobenzene	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chlorodibromomethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chloroethane	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chloroform	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Chloromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
cis-1,2-Dichloroethene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
cis-1,3-Dichloropropene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Dibromomethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Dichlorodifluoromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Ethylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Hexachlorobutadiene	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Isopropylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Methyl tert-butyl ether	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Methylene Chloride	ND		11.2		ug/Kg		03/26/13 18:06	04/01/13 17:19	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (15-20)
Date Collected: 03/22/13 08:15
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-3
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
n-Butylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
N-Propylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
p-Isopropyltoluene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
sec-Butylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Styrene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
tert-Butylbenzene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Tetrachloroethene	**3.37**		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Toluene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
trans-1,2-Dichloroethene	ND	*	2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
trans-1,3-Dichloropropene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Trichloroethene	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Trichlorofluoromethane	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Vinyl chloride	ND		2.24		ug/Kg		03/26/13 18:06	04/01/13 17:19	1
Xylenes, Total	ND		5.60		ug/Kg		03/26/13 18:06	04/01/13 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:19*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:19*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:19*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (20-25)
Date Collected: 03/22/13 08:25
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-4
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1,1-Trichloroethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1,2,2-Tetrachloroethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1,2-Trichloroethane	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1-Dichloroethane	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1-Dichloroethene	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,1-Dichloropropene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2,3-Trichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2,3-Trichloropropane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2,4-Trichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2,4-Trimethylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dibromo-3-Chloropropane	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dibromoethane (EDB)	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dichloroethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,2-Dichloropropane	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,3,5-Trimethylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,3-Dichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,3-Dichloropropane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
1,4-Dichlorobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
2,2-Dichloropropane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
2-Butanone (MEK)	ND		47.0		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
2-Chlorotoluene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
2-Hexanone	ND		47.0		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
4-Chlorotoluene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
4-Methyl-2-pentanone (MIBK)	ND		47.0		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Acetone	ND		47.0		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Benzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromobenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromochloromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromodichloromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromoform	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Bromomethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Carbon disulfide	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Carbon tetrachloride	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chlorobenzene	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chlorodibromomethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chloroethane	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chloroform	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Chloromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
cis-1,2-Dichloroethene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
cis-1,3-Dichloropropene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Dibromomethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Dichlorodifluoromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Ethylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Hexachlorobutadiene	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Isopropylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Methyl tert-butyl ether	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Methylene Chloride	ND		9.40		ug/Kg		03/26/13 18:06	04/01/13 17:49	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (20-25)
Date Collected: 03/22/13 08:25
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-4
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
n-Butylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
N-Propylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
p-Isopropyltoluene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
sec-Butylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Styrene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
tert-Butylbenzene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Tetrachloroethene	**7.48**		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Toluene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
trans-1,2-Dichloroethene	ND	*	1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
trans-1,3-Dichloropropene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Trichloroethene	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Trichlorofluoromethane	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Vinyl chloride	ND		1.88		ug/Kg		03/26/13 18:06	04/01/13 17:49	1
Xylenes, Total	ND		4.70		ug/Kg		03/26/13 18:06	04/01/13 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:49*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:49*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 17:49*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (25-30)
Date Collected: 03/22/13 08:32
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-5
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1,1-Trichloroethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1,2,2-Tetrachloroethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1,2-Trichloroethane	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1-Dichloroethane	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1-Dichloroethene	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,1-Dichloropropene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2,3-Trichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2,3-Trichloropropane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2,4-Trichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2,4-Trimethylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dibromo-3-Chloropropane	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dibromoethane (EDB)	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dichloroethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,2-Dichloropropane	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,3,5-Trimethylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,3-Dichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,3-Dichloropropane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
1,4-Dichlorobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
2,2-Dichloropropane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
2-Butanone (MEK)	ND		47.8		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
2-Chlorotoluene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
2-Hexanone	ND		47.8		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
4-Chlorotoluene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
4-Methyl-2-pentanone (MIBK)	ND		47.8		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Acetone	ND		47.8		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Benzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromobenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromochloromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromodichloromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromoform	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Bromomethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Carbon disulfide	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Carbon tetrachloride	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chlorobenzene	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chlorodibromomethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chloroethane	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chloroform	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Chloromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
cis-1,2-Dichloroethene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
cis-1,3-Dichloropropene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Dibromomethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Dichlorodifluoromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Ethylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Hexachlorobutadiene	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Isopropylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Methyl tert-butyl ether	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Methylene Chloride	ND		9.56		ug/Kg		03/26/13 18:06	04/01/13 18:19	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (25-30)
Date Collected: 03/22/13 08:32
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-5
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
n-Butylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
N-Propylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
p-Isopropyltoluene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
sec-Butylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Styrene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
tert-Butylbenzene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Tetrachloroethene	**10.9**		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Toluene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
trans-1,2-Dichloroethene	ND	*	1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
trans-1,3-Dichloropropene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Trichloroethene	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Trichlorofluoromethane	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Vinyl chloride	ND		1.91		ug/Kg		03/26/13 18:06	04/01/13 18:19	1
Xylenes, Total	ND		4.78		ug/Kg		03/26/13 18:06	04/01/13 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:19*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:19*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:19*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:19*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (30-35)
Date Collected: 03/22/13 08:45
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-6
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1,1-Trichloroethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1,2,2-Tetrachloroethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1,2-Trichloroethane	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1-Dichloroethane	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1-Dichloroethene	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,1-Dichloropropene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2,3-Trichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2,3-Trichloropropane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2,4-Trichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2,4-Trimethylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dibromo-3-Chloropropane	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dibromoethane (EDB)	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dichloroethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,2-Dichloropropane	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,3,5-Trimethylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,3-Dichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,3-Dichloropropane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
1,4-Dichlorobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
2,2-Dichloropropane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
2-Butanone (MEK)	ND		52.1		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
2-Chlorotoluene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
2-Hexanone	ND		52.1		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
4-Chlorotoluene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
4-Methyl-2-pentanone (MIBK)	ND		52.1		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Acetone	ND		52.1		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Benzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromobenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromochloromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromodichloromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromoform	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Bromomethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Carbon disulfide	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Carbon tetrachloride	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chlorobenzene	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chlorodibromomethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chloroethane	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chloroform	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Chloromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
cis-1,2-Dichloroethene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
cis-1,3-Dichloropropene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Dibromomethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Dichlorodifluoromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Ethylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Hexachlorobutadiene	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Isopropylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Methyl tert-butyl ether	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Methylene Chloride	ND		10.4		ug/Kg		03/26/13 18:06	04/01/13 18:49	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (30-35)
Date Collected: 03/22/13 08:45
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-6
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
n-Butylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
N-Propylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
p-Isopropyltoluene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
sec-Butylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Styrene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
tert-Butylbenzene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Tetrachloroethene	**18.0**		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Toluene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
trans-1,2-Dichloroethene	ND	*	2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
trans-1,3-Dichloropropene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Trichloroethene	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Trichlorofluoromethane	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Vinyl chloride	ND		2.09		ug/Kg		03/26/13 18:06	04/01/13 18:49	1
Xylenes, Total	ND		5.21		ug/Kg		03/26/13 18:06	04/01/13 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:49*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:49*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:49*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/26/13 18:06*	*04/01/13 18:49*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (35-40)
Date Collected: 03/22/13 09:15
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-7
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1,1-Trichloroethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1,2,2-Tetrachloroethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1,2-Trichloroethane	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1-Dichloroethane	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1-Dichloroethene	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,1-Dichloropropene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2,3-Trichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2,3-Trichloropropane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2,4-Trichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2,4-Trimethylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dibromo-3-Chloropropane	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dibromoethane (EDB)	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dichloroethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,2-Dichloropropane	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,3,5-Trimethylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,3-Dichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,3-Dichloropropane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
1,4-Dichlorobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
2,2-Dichloropropane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
2-Butanone (MEK)	ND		50.7		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
2-Chlorotoluene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
2-Hexanone	ND		50.7		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
4-Chlorotoluene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
4-Methyl-2-pentanone (MIBK)	ND		50.7		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Acetone	ND		50.7		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Benzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromobenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromochloromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromodichloromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromoform	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Bromomethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Carbon disulfide	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Carbon tetrachloride	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chlorobenzene	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chlorodibromomethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chloroethane	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chloroform	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Chloromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
cis-1,2-Dichloroethene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
cis-1,3-Dichloropropene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Dibromomethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Dichlorodifluoromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Ethylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Hexachlorobutadiene	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Isopropylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Methyl tert-butyl ether	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Methylene Chloride	ND		10.1		ug/Kg		03/26/13 18:06	04/01/13 19:19	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (35-40)
Date Collected: 03/22/13 09:15
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-7
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
n-Butylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
N-Propylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
p-Isopropyltoluene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
sec-Butylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Styrene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
tert-Butylbenzene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Tetrachloroethene	**7.61**		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Toluene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
trans-1,2-Dichloroethene	ND	*	2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
trans-1,3-Dichloropropene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Trichloroethene	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Trichlorofluoromethane	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Vinyl chloride	ND		2.03		ug/Kg		03/26/13 18:06	04/01/13 19:19	1
Xylenes, Total	ND		5.07		ug/Kg		03/26/13 18:06	04/01/13 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:19*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:19*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:19*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (40-45)
Date Collected: 03/22/13 09:30
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-8
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1,1-Trichloroethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1,2,2-Tetrachloroethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1,2-Trichloroethane	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1-Dichloroethane	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1-Dichloroethene	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,1-Dichloropropene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2,3-Trichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2,3-Trichloropropane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2,4-Trichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2,4-Trimethylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dibromo-3-Chloropropane	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dibromoethane (EDB)	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dichloroethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,2-Dichloropropane	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,3,5-Trimethylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,3-Dichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,3-Dichloropropane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
1,4-Dichlorobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
2,2-Dichloropropane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
2-Butanone (MEK)	ND		46.0		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
2-Chlorotoluene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
2-Hexanone	ND		46.0		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
4-Chlorotoluene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
4-Methyl-2-pentanone (MIBK)	ND		46.0		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Acetone	ND		46.0		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Benzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromobenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromochloromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromodichloromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromoform	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Bromomethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Carbon disulfide	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Carbon tetrachloride	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chlorobenzene	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chlorodibromomethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chloroethane	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chloroform	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Chloromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
cis-1,2-Dichloroethene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
cis-1,3-Dichloropropene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Dibromomethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Dichlorodifluoromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Ethylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Hexachlorobutadiene	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Isopropylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Methyl tert-butyl ether	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Methylene Chloride	ND		9.20		ug/Kg		03/26/13 18:06	04/01/13 19:49	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (40-45)
Date Collected: 03/22/13 09:30
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-8
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
n-Butylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
N-Propylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
p-Isopropyltoluene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
sec-Butylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Styrene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
tert-Butylbenzene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Tetrachloroethene	**11.3**		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Toluene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
trans-1,2-Dichloroethene	ND	*	1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
trans-1,3-Dichloropropene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Trichloroethene	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Trichlorofluoromethane	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Vinyl chloride	ND		1.84		ug/Kg		03/26/13 18:06	04/01/13 19:49	1
Xylenes, Total	ND		4.60		ug/Kg		03/26/13 18:06	04/01/13 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:49*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:49*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 19:49*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (45-50)
Date Collected: 03/22/13 09:50
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-9
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1,1-Trichloroethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1,2,2-Tetrachloroethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1,2-Trichloroethane	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1-Dichloroethane	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1-Dichloroethene	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,1-Dichloropropene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2,3-Trichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2,3-Trichloropropane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2,4-Trichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2,4-Trimethylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dibromo-3-Chloropropane	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dibromoethane (EDB)	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dichloroethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,2-Dichloropropane	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,3,5-Trimethylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,3-Dichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,3-Dichloropropane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
1,4-Dichlorobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
2,2-Dichloropropane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
2-Butanone (MEK)	ND		45.2		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
2-Chlorotoluene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
2-Hexanone	ND		45.2		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
4-Chlorotoluene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
4-Methyl-2-pentanone (MIBK)	ND		45.2		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Acetone	ND		45.2		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Benzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromobenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromochloromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromodichloromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromoform	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Bromomethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Carbon disulfide	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Carbon tetrachloride	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chlorobenzene	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chlorodibromomethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chloroethane	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chloroform	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Chloromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
cis-1,2-Dichloroethene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
cis-1,3-Dichloropropene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Dibromomethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Dichlorodifluoromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Ethylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Hexachlorobutadiene	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Isopropylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Methyl tert-butyl ether	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Methylene Chloride	ND		9.05		ug/Kg		03/26/13 18:06	04/01/13 20:18	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (45-50)
Date Collected: 03/22/13 09:50
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-9
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
n-Butylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
N-Propylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
p-Isopropyltoluene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
sec-Butylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Styrene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
tert-Butylbenzene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Tetrachloroethene	**6.64**		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Toluene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
trans-1,2-Dichloroethene	ND	*	1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
trans-1,3-Dichloropropene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Trichloroethene	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Trichlorofluoromethane	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Vinyl chloride	ND		1.81		ug/Kg		03/26/13 18:06	04/01/13 20:18	1
Xylenes, Total	ND		4.52		ug/Kg		03/26/13 18:06	04/01/13 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:18*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:18*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:18*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (50-55)
Date Collected: 03/22/13 10:00
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-10
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1,1-Trichloroethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1,2,2-Tetrachloroethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1,2-Trichloroethane	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1-Dichloroethane	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1-Dichloroethene	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,1-Dichloropropene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2,3-Trichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2,3-Trichloropropane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2,4-Trichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2,4-Trimethylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dibromo-3-Chloropropane	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dibromoethane (EDB)	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dichloroethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,2-Dichloropropane	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,3,5-Trimethylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,3-Dichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,3-Dichloropropane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
1,4-Dichlorobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
2,2-Dichloropropane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
2-Butanone (MEK)	ND		51.1		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
2-Chlorotoluene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
2-Hexanone	ND		51.1		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
4-Chlorotoluene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
4-Methyl-2-pentanone (MIBK)	ND		51.1		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Acetone	ND		51.1		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Benzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromobenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromochloromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromodichloromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromoform	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Bromomethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Carbon disulfide	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Carbon tetrachloride	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chlorobenzene	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chlorodibromomethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chloroethane	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chloroform	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Chloromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
cis-1,2-Dichloroethene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
cis-1,3-Dichloropropene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Dibromomethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Dichlorodifluoromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Ethylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Hexachlorobutadiene	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Isopropylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Methyl tert-butyl ether	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Methylene Chloride	ND		10.2		ug/Kg		03/26/13 18:06	04/01/13 20:48	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-7 (50-55)
Date Collected: 03/22/13 10:00
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-10
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
n-Butylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
N-Propylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
p-Isopropyltoluene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
sec-Butylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Styrene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
tert-Butylbenzene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Tetrachloroethene	**10.8**		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Toluene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
trans-1,2-Dichloroethene	ND	*	2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
trans-1,3-Dichloropropene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Trichloroethene	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Trichlorofluoromethane	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Vinyl chloride	ND		2.04		ug/Kg		03/26/13 18:06	04/01/13 20:48	1
Xylenes, Total	ND		5.11		ug/Kg		03/26/13 18:06	04/01/13 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:48*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:48*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/01/13 20:48*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: TRIP BLANK
Date Collected: 03/22/13 00:01
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-11
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1-Dichloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1-Dichloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,1-Dichloropropene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dichloroethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,2-Dichloropropane	ND	*	2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,3-Dichloropropane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
2,2-Dichloropropane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
2-Butanone (MEK)	ND		50.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
2-Chlorotoluene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
2-Hexanone	ND		50.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
4-Chlorotoluene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Acetone	ND		50.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Benzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromochloromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromodichloromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromoform	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Bromomethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Carbon disulfide	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Carbon tetrachloride	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chlorobenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chlorodibromomethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chloroethane	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chloroform	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Chloromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Dibromomethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Dichlorodifluoromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Ethylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Hexachlorobutadiene	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Isopropylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Methyl tert-butyl ether	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Methylene Chloride	ND		10.0		ug/Kg		03/26/13 18:06	04/02/13 13:59	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: TRIP BLANK
Date Collected: 03/22/13 00:01
Date Received: 03/26/13 08:30

Lab Sample ID: 490-22732-11
Matrix: Soil

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
n-Butylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
N-Propylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
p-Isopropyltoluene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
sec-Butylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Styrene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
tert-Butylbenzene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Tetrachloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Toluene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Trichloroethene	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Trichlorofluoromethane	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Vinyl chloride	ND		2.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1
Xylenes, Total	ND		5.00		ug/Kg		03/26/13 18:06	04/02/13 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*	*03/26/13 18:06*	*04/02/13 13:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/26/13 18:06*	*04/02/13 13:59*	*1*
Dibromofluoromethane (Surr)	*114*		*70 - 130*	*03/26/13 18:06*	*04/02/13 13:59*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/26/13 18:06*	*04/02/13 13:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-23072-A-6-D MS
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 69041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		47.3	57.10		ug/Kg		121	19 - 158
1,1,1-Trichloroethane	ND		47.3	69.25		ug/Kg		147	35 - 149
1,1,2,2-Tetrachloroethane	ND		47.3	53.68		ug/Kg		114	10 - 162
1,1,2-Trichloroethane	ND		47.3	58.08		ug/Kg		123	19 - 157
1,1-Dichloroethane	ND	*	47.3	68.75	F	ug/Kg		145	42 - 136
1,1-Dichloroethene	ND	*	47.3	78.45	F	ug/Kg		166	41 - 143
1,1-Dichloropropene	ND		47.3	64.30		ug/Kg		136	38 - 145
1,2,3-Trichlorobenzene	ND		47.3	52.38		ug/Kg		111	10 - 157
1,2,3-Trichloropropane	ND		47.3	52.04		ug/Kg		110	10 - 157
1,2,4-Trichlorobenzene	ND		47.3	53.71		ug/Kg		114	10 - 167
1,2,4-Trimethylbenzene	ND		47.3	48.29		ug/Kg		102	14 - 165
1,2-Dibromo-3-Chloropropane	ND		47.3	55.68		ug/Kg		118	10 - 147
1,2-Dibromoethane (EDB)	ND		47.3	54.69		ug/Kg		116	18 - 156
1,2-Dichlorobenzene	ND		47.3	59.76		ug/Kg		126	10 - 160
1,2-Dichloroethane	ND		47.3	56.10		ug/Kg		119	28 - 138
1,2-Dichloropropane	ND	*	47.3	55.51		ug/Kg		117	20 - 146
1,3,5-Trimethylbenzene	ND		47.3	53.51		ug/Kg		113	18 - 164
1,3-Dichlorobenzene	ND		47.3	60.45		ug/Kg		128	10 - 162
1,3-Dichloropropane	ND		47.3	53.76		ug/Kg		114	22 - 148
1,4-Dichlorobenzene	ND		47.3	60.66		ug/Kg		128	11 - 159
2,2-Dichloropropane	ND		47.3	67.20		ug/Kg		142	33 - 148
2-Butanone (MEK)	ND		236	274.6		ug/Kg		116	18 - 153
2-Chlorotoluene	ND		47.3	58.74		ug/Kg		124	20 - 156
2-Hexanone	ND		236	243.0		ug/Kg		103	10 - 169
4-Chlorotoluene	ND		47.3	61.96		ug/Kg		131	17 - 159
4-Methyl-2-pentanone (MIBK)	ND		236	251.4		ug/Kg		106	10 - 168
Acetone	73.7		236	337.9		ug/Kg		112	19 - 175
Benzene	ND		47.3	65.56		ug/Kg		138	31 - 143
Bromobenzene	ND		47.3	51.04		ug/Kg		108	12 - 157
Bromochloromethane	ND		47.3	61.71		ug/Kg		131	31 - 141
Bromodichloromethane	ND		47.3	62.69		ug/Kg		133	19 - 148
Bromoform	ND		47.3	54.92		ug/Kg		116	10 - 165
Bromomethane	ND		47.3	55.44		ug/Kg		117	10 - 164
Carbon disulfide	ND		47.3	69.84	F	ug/Kg		148	32 - 144
Carbon tetrachloride	ND		47.3	69.41		ug/Kg		147	31 - 149
Chlorobenzene	ND	*	47.3	65.80		ug/Kg		139	25 - 152
Chlorodibromomethane	ND		47.3	55.17		ug/Kg		117	14 - 146
Chloroethane	ND		47.3	69.10		ug/Kg		146	10 - 151
Chloroform	ND		47.3	68.71		ug/Kg		145	34 - 160
Chloromethane	ND		47.3	60.53		ug/Kg		128	10 - 156
cis-1,2-Dichloroethene	ND		47.3	63.93		ug/Kg		135	36 - 139
cis-1,3-Dichloropropene	ND		47.3	51.05		ug/Kg		108	15 - 166
Dibromomethane	ND		47.3	62.15		ug/Kg		132	20 - 146
Dichlorodifluoromethane	ND		47.3	70.60	F	ug/Kg		149	10 - 143
Ethylbenzene	ND		47.3	67.05		ug/Kg		142	23 - 161
Hexachlorobutadiene	ND		47.3	53.24		ug/Kg		113	10 - 171
Isopropylbenzene	ND		47.3	68.73		ug/Kg		145	23 - 181
Methyl tert-butyl ether	ND		47.3	51.55		ug/Kg		109	28 - 141

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

Lab Sample ID: 490-23072-A-6-D MS
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 69041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	69.4		47.3	129.6		ug/Kg		127	24 - 182
Naphthalene	ND		47.3	14.53		ug/Kg		31	10 - 176
n-Butylbenzene	ND		47.3	64.54		ug/Kg		137	10 - 175
N-Propylbenzene	ND		47.3	64.10		ug/Kg		136	19 - 162
p-Isopropyltoluene	ND		47.3	56.04		ug/Kg		119	12 - 168
sec-Butylbenzene	ND		47.3	65.34		ug/Kg		138	12 - 170
Styrene	ND		47.3	10.13		ug/Kg		21	10 - 165
tert-Butylbenzene	ND		47.3	55.73		ug/Kg		118	20 - 164
Tetrachloroethene	ND		47.3	73.06		ug/Kg		155	33 - 161
Toluene	ND		47.3	63.71		ug/Kg		135	30 - 155
trans-1,2-Dichloroethene	ND	*	47.3	69.07	F	ug/Kg		146	39 - 140
trans-1,3-Dichloropropene	ND		47.3	48.86		ug/Kg		103	10 - 157
Trichloroethene	ND		47.3	63.11		ug/Kg		134	27 - 153
Trichlorofluoromethane	ND		47.3	76.51	F	ug/Kg		162	25 - 140
Vinyl chloride	ND		47.3	70.95	F	ug/Kg		150	20 - 141
Xylenes, Total	ND		142	196.4		ug/Kg		138	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 490-23072-A-6-E MSD
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 69041

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.4	33.78	F	ug/Kg		67	19 - 158	51	50
1,1,1-Trichloroethane	ND		50.4	9.030	F	ug/Kg		18	35 - 149	154	50
1,1,2,2-Tetrachloroethane	ND		50.4	143.5	F	ug/Kg		285	10 - 162	91	50
1,1,2-Trichloroethane	ND		50.4	50.51		ug/Kg		100	19 - 157	14	50
1,1-Dichloroethane	ND	*	50.4	20.66	F	ug/Kg		41	42 - 136	108	50
1,1-Dichloroethene	ND	*	50.4	11.83	F	ug/Kg		23	41 - 143	148	50
1,1-Dichloropropene	ND		50.4	7.978	F	ug/Kg		16	38 - 145	156	50
1,2,3-Trichlorobenzene	ND		50.4	51.44		ug/Kg		102	10 - 157	2	50
1,2,3-Trichloropropane	ND		50.4	148.3	F	ug/Kg		294	10 - 157	96	50
1,2,4-Trichlorobenzene	ND		50.4	41.48		ug/Kg		82	10 - 167	26	50
1,2,4-Trimethylbenzene	ND		50.4	9.013	F	ug/Kg		18	14 - 165	137	50
1,2-Dibromo-3-Chloropropane	ND		50.4	207.3	E F	ug/Kg		411	10 - 147	115	50
1,2-Dibromoethane (EDB)	ND		50.4	58.95		ug/Kg		117	18 - 156	7	50
1,2-Dichlorobenzene	ND		50.4	43.01		ug/Kg		85	10 - 160	33	50
1,2-Dichloroethane	ND		50.4	40.25		ug/Kg		80	28 - 138	33	50
1,2-Dichloropropane	ND	*	50.4	25.04	F	ug/Kg		50	20 - 146	76	50
1,3,5-Trimethylbenzene	ND		50.4	9.970	F	ug/Kg		20	18 - 164	137	50
1,3-Dichlorobenzene	ND		50.4	30.94	F	ug/Kg		61	10 - 162	65	50
1,3-Dichloropropane	ND		50.4	43.61		ug/Kg		87	22 - 148	21	42
1,4-Dichlorobenzene	ND		50.4	33.30	F	ug/Kg		66	11 - 159	58	50

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

Lab Sample ID: 490-23072-A-6-E MSD
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 69041

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2-Dichloropropane	ND		50.4	8.866	F	ug/Kg		18	33 - 148	153	50
2-Butanone (MEK)	ND		252	438.9	F	ug/Kg		174	18 - 153	46	50
2-Chlorotoluene	ND		50.4	20.11	F	ug/Kg		40	20 - 156	98	50
2-Hexanone	ND		252	630.3	F	ug/Kg		250	10 - 169	89	50
4-Chlorotoluene	ND		50.4	19.02	F	ug/Kg		38	17 - 159	106	50
4-Methyl-2-pentanone (MIBK)	ND		252	644.7	F	ug/Kg		256	10 - 168	88	50
Acetone	73.7		252	729.4	F	ug/Kg		260	19 - 175	73	50
Benzene	ND		50.4	21.95	F	ug/Kg		42	31 - 143	100	50
Bromobenzene	ND		50.4	33.99		ug/Kg		67	12 - 157	40	50
Bromochloromethane	ND		50.4	52.09		ug/Kg		103	31 - 141	17	50
Bromodichloromethane	ND		50.4	28.90	F	ug/Kg		57	19 - 148	74	50
Bromoform	ND		50.4	75.34		ug/Kg		149	10 - 165	31	50
Bromomethane	ND		50.4	42.62		ug/Kg		85	10 - 164	26	50
Carbon disulfide	ND		50.4	14.73	F	ug/Kg		29	32 - 144	130	50
Carbon tetrachloride	ND		50.4	7.279	F	ug/Kg		14	31 - 149	162	50
Chlorobenzene	ND	*	50.4	27.78	F	ug/Kg		55	25 - 152	81	50
Chlorodibromomethane	ND		50.4	40.28		ug/Kg		80	14 - 146	31	50
Chloroethane	ND		50.4	25.57	F	ug/Kg		51	10 - 151	92	50
Chloroform	ND		50.4	23.07	F	ug/Kg		46	34 - 160	99	49
Chloromethane	ND		50.4	31.98	F	ug/Kg		63	10 - 156	62	50
cis-1,2-Dichloroethene	ND		50.4	18.53	F	ug/Kg		37	36 - 139	110	50
cis-1,3-Dichloropropene	ND		50.4	22.86	F	ug/Kg		45	15 - 166	76	50
Dibromomethane	ND		50.4	58.73		ug/Kg		117	20 - 146	6	50
Dichlorodifluoromethane	ND		50.4	10.83	F	ug/Kg		21	10 - 143	147	50
Ethylbenzene	ND		50.4	13.48	F	ug/Kg		27	23 - 161	133	50
Hexachlorobutadiene	ND		50.4	22.84	F	ug/Kg		45	10 - 171	80	50
Isopropylbenzene	ND		50.4	11.26	F	ug/Kg		22	23 - 181	144	50
Methyl tert-butyl ether	ND		50.4	32.78		ug/Kg		65	28 - 141	45	50
Methylene Chloride	69.4		50.4	88.12		ug/Kg		37	24 - 182	38	50
Naphthalene	ND		50.4	26.50	F	ug/Kg		53	10 - 176	58	50
n-Butylbenzene	ND		50.4	10.38	F	ug/Kg		21	10 - 175	145	50
N-Propylbenzene	ND		50.4	11.52	F	ug/Kg		23	19 - 162	139	50
p-Isopropyltoluene	ND		50.4	8.592	F	ug/Kg		17	12 - 168	147	50
sec-Butylbenzene	ND		50.4	9.599	F	ug/Kg		19	12 - 170	149	50
Styrene	ND		50.4	5.286	F	ug/Kg		10	10 - 165	63	50
tert-Butylbenzene	ND		50.4	10.10	F	ug/Kg		20	20 - 164	139	50
Tetrachloroethene	ND		50.4	15.66	F	ug/Kg		31	33 - 161	129	50
Toluene	ND		50.4	18.87	F	ug/Kg		37	30 - 155	109	50
trans-1,2-Dichloroethene	ND	*	50.4	12.05	F	ug/Kg		24	39 - 140	141	50
trans-1,3-Dichloropropene	ND		50.4	28.76	F	ug/Kg		57	10 - 157	52	50
Trichloroethene	ND		50.4	10.62	F	ug/Kg		21	27 - 153	142	50
Trichlorofluoromethane	ND		50.4	8.448	F	ug/Kg		17	25 - 140	160	50
Vinyl chloride	ND		50.4	18.73	F	ug/Kg		37	20 - 141	116	50
Xylenes, Total	ND		151	39.73	F	ug/Kg		26	25 - 162	133	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: 490-23072-A-6-E MSD
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 69041

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 490-69193/7
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			04/01/13 12:49	1
1,1-Dichloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1-Dichloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,1-Dichloropropene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			04/01/13 12:49	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2-Dichloroethane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,2-Dichloropropane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
1,3-Dichloropropane	ND		2.00		ug/Kg			04/01/13 12:49	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
2,2-Dichloropropane	ND		2.00		ug/Kg			04/01/13 12:49	1
2-Butanone (MEK)	ND		50.0		ug/Kg			04/01/13 12:49	1
2-Chlorotoluene	ND		2.00		ug/Kg			04/01/13 12:49	1
2-Hexanone	ND		50.0		ug/Kg			04/01/13 12:49	1
4-Chlorotoluene	ND		2.00		ug/Kg			04/01/13 12:49	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			04/01/13 12:49	1
Acetone	ND		50.0		ug/Kg			04/01/13 12:49	1
Benzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromochloromethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromodichloromethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromoform	ND		2.00		ug/Kg			04/01/13 12:49	1
Bromomethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Carbon disulfide	ND		5.00		ug/Kg			04/01/13 12:49	1
Carbon tetrachloride	ND		2.00		ug/Kg			04/01/13 12:49	1
Chlorobenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Chlorodibromomethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Chloroethane	ND		5.00		ug/Kg			04/01/13 12:49	1
Chloroform	ND		2.00		ug/Kg			04/01/13 12:49	1
Chloromethane	ND		2.00		ug/Kg			04/01/13 12:49	1

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

Lab Sample ID: MB 490-69193/7
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			04/01/13 12:49	1
Dibromomethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Ethylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Hexachlorobutadiene	ND		5.00		ug/Kg			04/01/13 12:49	1
Isopropylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			04/01/13 12:49	1
Methylene Chloride	ND		10.0		ug/Kg			04/01/13 12:49	1
Naphthalene	ND		5.00		ug/Kg			04/01/13 12:49	1
n-Butylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
N-Propylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
p-Isopropyltoluene	ND		2.00		ug/Kg			04/01/13 12:49	1
sec-Butylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Styrene	ND		2.00		ug/Kg			04/01/13 12:49	1
tert-Butylbenzene	ND		2.00		ug/Kg			04/01/13 12:49	1
Tetrachloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
Toluene	ND		2.00		ug/Kg			04/01/13 12:49	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			04/01/13 12:49	1
Trichloroethene	ND		2.00		ug/Kg			04/01/13 12:49	1
Trichlorofluoromethane	ND		2.00		ug/Kg			04/01/13 12:49	1
Vinyl chloride	ND		2.00		ug/Kg			04/01/13 12:49	1
Xylenes, Total	ND		5.00		ug/Kg			04/01/13 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*04/01/13 12:49*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/01/13 12:49*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*04/01/13 12:49*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/01/13 12:49*	*1*

Lab Sample ID: LCS 490-69193/4
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	57.44		ug/Kg		115	80 - 136
1,1,1-Trichloroethane	50.0	61.30		ug/Kg		123	72 - 140
1,1,2,2-Tetrachloroethane	50.0	59.23		ug/Kg		118	66 - 134
1,1,2-Trichloroethane	50.0	62.23		ug/Kg		124	78 - 128
1,1-Dichloroethane	50.0	64.85	*	ug/Kg		130	75 - 124
1,1-Dichloroethene	50.0	68.32	*	ug/Kg		137	75 - 131
1,1-Dichloropropene	50.0	57.17		ug/Kg		114	79 - 127
1,2,3-Trichlorobenzene	50.0	63.80		ug/Kg		128	70 - 150
1,2,3-Trichloropropane	50.0	61.73		ug/Kg		123	65 - 139
1,2,4-Trichlorobenzene	50.0	61.18		ug/Kg		122	62 - 150
1,2,4-Trimethylbenzene	50.0	56.24		ug/Kg		112	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	64.07		ug/Kg		128	49 - 142

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

Lab Sample ID: LCS 490-69193/4
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	50.0	60.73		ug/Kg		121	80 - 135
1,2-Dichlorobenzene	50.0	61.84		ug/Kg		124	80 - 134
1,2-Dichloroethane	50.0	60.23		ug/Kg		120	65 - 134
1,2-Dichloropropane	50.0	90.64	*	ug/Kg		181	69 - 120
1,3,5-Trimethylbenzene	50.0	52.38		ug/Kg		105	78 - 138
1,3-Dichlorobenzene	50.0	61.95		ug/Kg		124	79 - 137
1,3-Dichloropropane	50.0	58.76		ug/Kg		118	78 - 126
1,4-Dichlorobenzene	50.0	62.71		ug/Kg		125	77 - 139
2,2-Dichloropropane	50.0	64.24		ug/Kg		128	68 - 145
2-Butanone (MEK)	250	287.4		ug/Kg		115	61 - 132
2-Chlorotoluene	50.0	59.83		ug/Kg		120	78 - 132
2-Hexanone	250	287.3		ug/Kg		115	57 - 148
4-Chlorotoluene	50.0	61.52		ug/Kg		123	77 - 138
4-Methyl-2-pentanone (MIBK)	250	287.3		ug/Kg		115	59 - 138
Acetone	250	278.1		ug/Kg		111	51 - 149
Benzene	50.0	60.64		ug/Kg		121	75 - 127
Bromobenzene	50.0	53.34		ug/Kg		107	75 - 130
Bromochloromethane	50.0	64.51		ug/Kg		129	70 - 132
Bromodichloromethane	50.0	61.62		ug/Kg		123	68 - 135
Bromoform	50.0	59.48		ug/Kg		119	36 - 150
Bromomethane	50.0	50.91		ug/Kg		102	43 - 142
Carbon disulfide	50.0	61.42		ug/Kg		123	74 - 135
Carbon tetrachloride	50.0	61.20		ug/Kg		122	70 - 141
Chlorobenzene	50.0	65.88	*	ug/Kg		132	84 - 125
Chlorodibromomethane	50.0	59.11		ug/Kg		118	66 - 134
Chloroethane	50.0	62.13		ug/Kg		124	53 - 144
Chloroform	50.0	63.97		ug/Kg		128	76 - 130
Chloromethane	50.0	51.52		ug/Kg		103	23 - 150
cis-1,2-Dichloroethene	50.0	61.80		ug/Kg		124	75 - 125
cis-1,3-Dichloropropene	50.0	54.47		ug/Kg		109	73 - 148
Dibromomethane	50.0	60.50		ug/Kg		121	71 - 130
Dichlorodifluoromethane	50.0	53.97		ug/Kg		108	12 - 144
Ethylbenzene	50.0	64.82		ug/Kg		130	80 - 134
Hexachlorobutadiene	50.0	56.74		ug/Kg		113	65 - 148
Isopropylbenzene	50.0	66.06		ug/Kg		132	80 - 150
Methyl tert-butyl ether	50.0	59.94		ug/Kg		120	70 - 136
Methylene Chloride	50.0	64.72		ug/Kg		129	68 - 144
Naphthalene	50.0	53.82		ug/Kg		108	69 - 150
n-Butylbenzene	50.0	60.92		ug/Kg		122	72 - 152
N-Propylbenzene	50.0	61.15		ug/Kg		122	75 - 137
p-Isopropyltoluene	50.0	53.45		ug/Kg		107	77 - 141
sec-Butylbenzene	50.0	61.64		ug/Kg		123	79 - 141
Styrene	50.0	61.69		ug/Kg		123	82 - 137
tert-Butylbenzene	50.0	52.31		ug/Kg		105	80 - 132
Tetrachloroethene	50.0	65.97		ug/Kg		132	78 - 140
Toluene	50.0	61.46		ug/Kg		123	80 - 132
trans-1,2-Dichloroethene	50.0	64.64	*	ug/Kg		129	76 - 128
trans-1,3-Dichloropropene	50.0	54.72		ug/Kg		109	62 - 139

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

Lab Sample ID: LCS 490-69193/4
Matrix: Solid
Analysis Batch: 69193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	63.20		ug/Kg		126	77 - 127
Trichlorofluoromethane	50.0	62.83		ug/Kg		126	50 - 140
Vinyl chloride	50.0	63.69		ug/Kg		127	47 - 136
Xylenes, Total	150	192.0		ug/Kg		128	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 490-69464/7
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			04/02/13 13:29	1
1,1-Dichloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1-Dichloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,1-Dichloropropene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			04/02/13 13:29	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2-Dichloroethane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,2-Dichloropropane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
1,3-Dichloropropane	ND		2.00		ug/Kg			04/02/13 13:29	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
2,2-Dichloropropane	ND		2.00		ug/Kg			04/02/13 13:29	1
2-Butanone (MEK)	ND		50.0		ug/Kg			04/02/13 13:29	1
2-Chlorotoluene	ND		2.00		ug/Kg			04/02/13 13:29	1
2-Hexanone	ND		50.0		ug/Kg			04/02/13 13:29	1
4-Chlorotoluene	ND		2.00		ug/Kg			04/02/13 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			04/02/13 13:29	1
Acetone	ND		50.0		ug/Kg			04/02/13 13:29	1
Benzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Bromobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Bromochloromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Bromodichloromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Bromoform	ND		2.00		ug/Kg			04/02/13 13:29	1

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

Lab Sample ID: MB 490-69464/7
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Carbon disulfide	ND		5.00		ug/Kg			04/02/13 13:29	1
Carbon tetrachloride	ND		2.00		ug/Kg			04/02/13 13:29	1
Chlorobenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Chlorodibromomethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Chloroethane	ND		5.00		ug/Kg			04/02/13 13:29	1
Chloroform	ND		2.00		ug/Kg			04/02/13 13:29	1
Chloromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			04/02/13 13:29	1
Dibromomethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Ethylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Hexachlorobutadiene	ND		5.00		ug/Kg			04/02/13 13:29	1
Isopropylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			04/02/13 13:29	1
Methylene Chloride	ND		10.0		ug/Kg			04/02/13 13:29	1
Naphthalene	ND		5.00		ug/Kg			04/02/13 13:29	1
n-Butylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
N-Propylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
p-Isopropyltoluene	ND		2.00		ug/Kg			04/02/13 13:29	1
sec-Butylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Styrene	ND		2.00		ug/Kg			04/02/13 13:29	1
tert-Butylbenzene	ND		2.00		ug/Kg			04/02/13 13:29	1
Tetrachloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
Toluene	ND		2.00		ug/Kg			04/02/13 13:29	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			04/02/13 13:29	1
Trichloroethene	ND		2.00		ug/Kg			04/02/13 13:29	1
Trichlorofluoromethane	ND		2.00		ug/Kg			04/02/13 13:29	1
Vinyl chloride	ND		2.00		ug/Kg			04/02/13 13:29	1
Xylenes, Total	ND		5.00		ug/Kg			04/02/13 13:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*04/02/13 13:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/02/13 13:29*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*04/02/13 13:29*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/02/13 13:29*	*1*

Lab Sample ID: LCS 490-69464/3
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	52.39		ug/Kg		105	80 - 136
1,1,1-Trichloroethane	50.0	55.06		ug/Kg		110	72 - 140
1,1,2,2-Tetrachloroethane	50.0	52.48		ug/Kg		105	66 - 134
1,1,2-Trichloroethane	50.0	54.76		ug/Kg		110	78 - 128

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

Lab Sample ID: LCS 490-69464/3
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	58.93		ug/Kg		118	75 - 124
1,1-Dichloroethene	50.0	60.93		ug/Kg		122	75 - 131
1,1-Dichloropropene	50.0	47.97		ug/Kg		96	79 - 127
1,2,3-Trichlorobenzene	50.0	53.58		ug/Kg		107	70 - 150
1,2,3-Trichloropropane	50.0	50.73		ug/Kg		101	65 - 139
1,2,4-Trichlorobenzene	50.0	51.42		ug/Kg		103	62 - 150
1,2,4-Trimethylbenzene	50.0	47.19		ug/Kg		94	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	55.70		ug/Kg		111	49 - 142
1,2-Dibromoethane (EDB)	50.0	52.90		ug/Kg		106	80 - 135
1,2-Dichlorobenzene	50.0	55.11		ug/Kg		110	80 - 134
1,2-Dichloroethane	50.0	52.82		ug/Kg		106	65 - 134
1,2-Dichloropropane	50.0	81.80	*	ug/Kg		164	69 - 120
1,3,5-Trimethylbenzene	50.0	43.97		ug/Kg		88	78 - 138
1,3-Dichlorobenzene	50.0	52.96		ug/Kg		106	79 - 137
1,3-Dichloropropane	50.0	51.49		ug/Kg		103	78 - 126
1,4-Dichlorobenzene	50.0	54.89		ug/Kg		110	77 - 139
2,2-Dichloropropane	50.0	53.38		ug/Kg		107	68 - 145
2-Butanone (MEK)	250	237.8		ug/Kg		95	61 - 132
2-Chlorotoluene	50.0	50.53		ug/Kg		101	78 - 132
2-Hexanone	250	244.5		ug/Kg		98	57 - 148
4-Chlorotoluene	50.0	52.91		ug/Kg		106	77 - 138
4-Methyl-2-pentanone (MIBK)	250	247.2		ug/Kg		99	59 - 138
Acetone	250	254.0		ug/Kg		102	51 - 149
Benzene	50.0	55.20		ug/Kg		110	75 - 127
Bromobenzene	50.0	46.53		ug/Kg		93	75 - 130
Bromochloromethane	50.0	60.34		ug/Kg		121	70 - 132
Bromodichloromethane	50.0	56.63		ug/Kg		113	68 - 135
Bromoform	50.0	54.64		ug/Kg		109	36 - 150
Bromomethane	50.0	47.19		ug/Kg		94	43 - 142
Carbon disulfide	50.0	55.45		ug/Kg		111	74 - 135
Carbon tetrachloride	50.0	52.62		ug/Kg		105	70 - 141
Chlorobenzene	50.0	56.89		ug/Kg		114	84 - 125
Chlorodibromomethane	50.0	53.59		ug/Kg		107	66 - 134
Chloroethane	50.0	56.41		ug/Kg		113	53 - 144
Chloroform	50.0	58.10		ug/Kg		116	76 - 130
Chloromethane	50.0	48.03		ug/Kg		96	23 - 150
cis-1,2-Dichloroethene	50.0	52.60		ug/Kg		105	75 - 125
cis-1,3-Dichloropropene	50.0	48.25		ug/Kg		97	73 - 148
Dibromomethane	50.0	57.04		ug/Kg		114	71 - 130
Dichlorodifluoromethane	50.0	51.94		ug/Kg		104	12 - 144
Ethylbenzene	50.0	55.69		ug/Kg		111	80 - 134
Hexachlorobutadiene	50.0	47.29		ug/Kg		95	65 - 148
Isopropylbenzene	50.0	55.47		ug/Kg		111	80 - 150
Methyl tert-butyl ether	50.0	48.98		ug/Kg		98	70 - 136
Methylene Chloride	50.0	61.22		ug/Kg		122	68 - 144
Naphthalene	50.0	45.02		ug/Kg		90	69 - 150
n-Butylbenzene	50.0	49.92		ug/Kg		100	72 - 152
N-Propylbenzene	50.0	51.57		ug/Kg		103	75 - 137

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

Lab Sample ID: LCS 490-69464/3
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	50.0	44.11		ug/Kg		88	77 - 141
sec-Butylbenzene	50.0	52.05		ug/Kg		104	79 - 141
Styrene	50.0	54.83		ug/Kg		110	82 - 137
tert-Butylbenzene	50.0	44.58		ug/Kg		89	80 - 132
Tetrachloroethene	50.0	55.98		ug/Kg		112	78 - 140
Toluene	50.0	51.51		ug/Kg		103	80 - 132
trans-1,2-Dichloroethene	50.0	55.94		ug/Kg		112	76 - 128
trans-1,3-Dichloropropene	50.0	47.24		ug/Kg		94	62 - 139
Trichloroethene	50.0	53.65		ug/Kg		107	77 - 127
Trichlorofluoromethane	50.0	56.37		ug/Kg		113	50 - 140
Vinyl chloride	50.0	56.66		ug/Kg		113	47 - 136
Xylenes, Total	150	164.3		ug/Kg		110	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 490-69464/4
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	52.53		ug/Kg		105	80 - 136	0	50
1,1,1-Trichloroethane	50.0	60.34		ug/Kg		121	72 - 140	9	50
1,1,2,2-Tetrachloroethane	50.0	49.98		ug/Kg		100	66 - 134	5	50
1,1,2-Trichloroethane	50.0	50.39		ug/Kg		101	78 - 128	8	50
1,1-Dichloroethane	50.0	61.73		ug/Kg		123	75 - 124	5	50
1,1-Dichloroethene	50.0	64.71		ug/Kg		129	75 - 131	6	50
1,1-Dichloropropene	50.0	55.19		ug/Kg		110	79 - 127	14	50
1,2,3-Trichlorobenzene	50.0	54.43		ug/Kg		109	70 - 150	2	50
1,2,3-Trichloropropane	50.0	49.95		ug/Kg		100	65 - 139	2	50
1,2,4-Trichlorobenzene	50.0	54.67		ug/Kg		109	62 - 150	6	50
1,2,4-Trimethylbenzene	50.0	53.53		ug/Kg		107	77 - 139	13	50
1,2-Dibromo-3-Chloropropane	50.0	49.24		ug/Kg		98	49 - 142	12	50
1,2-Dibromoethane (EDB)	50.0	52.94		ug/Kg		106	80 - 135	0	50
1,2-Dichlorobenzene	50.0	57.01		ug/Kg		114	80 - 134	3	50
1,2-Dichloroethane	50.0	52.06		ug/Kg		104	65 - 134	1	50
1,2-Dichloropropane	50.0	50.96		ug/Kg		102	69 - 120	46	50
1,3,5-Trimethylbenzene	50.0	49.81		ug/Kg		100	78 - 138	12	50
1,3-Dichlorobenzene	50.0	58.09		ug/Kg		116	79 - 137	9	50
1,3-Dichloropropane	50.0	49.32		ug/Kg		99	78 - 126	4	42
1,4-Dichlorobenzene	50.0	58.96		ug/Kg		118	77 - 139	7	50
2,2-Dichloropropane	50.0	58.11		ug/Kg		116	68 - 145	8	50
2-Butanone (MEK)	250	219.1		ug/Kg		88	61 - 132	8	50
2-Chlorotoluene	50.0	55.92		ug/Kg		112	78 - 132	10	50
2-Hexanone	250	218.2		ug/Kg		87	57 - 148	11	50

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

Lab Sample ID: LCSD 490-69464/4
Matrix: Solid
Analysis Batch: 69464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorotoluene			50.0	57.49		ug/Kg		115	77 - 138	8	50
4-Methyl-2-pentanone (MIBK)			250	224.2		ug/Kg		90	59 - 138	10	50
Acetone			250	204.5		ug/Kg		82	51 - 149	22	50
Benzene			50.0	58.57		ug/Kg		117	75 - 127	6	50
Bromobenzene			50.0	48.94		ug/Kg		98	75 - 130	5	50
Bromochloromethane			50.0	57.85		ug/Kg		116	70 - 132	4	50
Bromodichloromethane			50.0	58.68		ug/Kg		117	68 - 135	4	50
Bromoform			50.0	49.24		ug/Kg		98	36 - 150	10	50
Bromomethane			50.0	47.68		ug/Kg		95	43 - 142	1	50
Carbon disulfide			50.0	58.34		ug/Kg		117	74 - 135	5	50
Carbon tetrachloride			50.0	59.06		ug/Kg		118	70 - 141	12	50
Chlorobenzene			50.0	60.80		ug/Kg		122	84 - 125	7	50
Chlorodibromomethane			50.0	51.37		ug/Kg		103	66 - 134	4	50
Chloroethane			50.0	60.07		ug/Kg		120	53 - 144	6	50
Chloroform			50.0	61.00		ug/Kg		122	76 - 130	5	49
Chloromethane			50.0	47.70		ug/Kg		95	23 - 150	1	50
cis-1,2-Dichloroethene			50.0	56.70		ug/Kg		113	75 - 125	8	50
cis-1,3-Dichloropropene			50.0	48.65		ug/Kg		97	73 - 148	1	50
Dibromomethane			50.0	54.19		ug/Kg		108	71 - 130	5	50
Dichlorodifluoromethane			50.0	57.43		ug/Kg		115	12 - 144	10	50
Ethylbenzene			50.0	60.95		ug/Kg		122	80 - 134	9	50
Hexachlorobutadiene			50.0	55.35		ug/Kg		111	65 - 148	16	50
Isopropylbenzene			50.0	62.79		ug/Kg		126	80 - 150	12	50
Methyl tert-butyl ether			50.0	49.99		ug/Kg		100	70 - 136	2	50
Methylene Chloride			50.0	58.36		ug/Kg		117	68 - 144	5	50
Naphthalene			50.0	44.60		ug/Kg		89	69 - 150	1	50
n-Butylbenzene			50.0	59.84		ug/Kg		120	72 - 152	18	50
N-Propylbenzene			50.0	58.18		ug/Kg		116	75 - 137	12	50
p-Isopropyltoluene			50.0	52.40		ug/Kg		105	77 - 141	17	50
sec-Butylbenzene			50.0	61.66		ug/Kg		123	79 - 141	17	50
Styrene			50.0	56.86		ug/Kg		114	82 - 137	4	50
tert-Butylbenzene			50.0	51.34		ug/Kg		103	80 - 132	14	50
Tetrachloroethene			50.0	65.17		ug/Kg		130	78 - 140	15	50
Toluene			50.0	58.30		ug/Kg		117	80 - 132	12	50
trans-1,2-Dichloroethene			50.0	60.24		ug/Kg		120	76 - 128	7	50
trans-1,3-Dichloropropene			50.0	46.31		ug/Kg		93	62 - 139	2	50
Trichloroethene			50.0	57.11		ug/Kg		114	77 - 127	6	50
Trichlorofluoromethane			50.0	63.04		ug/Kg		126	50 - 140	11	50
Vinyl chloride			50.0	59.54		ug/Kg		119	47 - 136	5	50
Xylenes, Total			150	179.0		ug/Kg		119	80 - 137	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

GC/MS VOA

Prep Batch: 67971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22732-1	MW-7 (5-10)	Total/NA	Soil	5035	
490-22732-2	MW-7 (10-15)	Total/NA	Soil	5035	
490-22732-3	MW-7 (15-20)	Total/NA	Soil	5035	
490-22732-4	MW-7 (20-25)	Total/NA	Soil	5035	
490-22732-5	MW-7 (25-30)	Total/NA	Soil	5035	
490-22732-6	MW-7 (30-35)	Total/NA	Soil	5035	
490-22732-7	MW-7 (35-40)	Total/NA	Soil	5035	
490-22732-8	MW-7 (40-45)	Total/NA	Soil	5035	
490-22732-9	MW-7 (45-50)	Total/NA	Soil	5035	
490-22732-10	MW-7 (50-55)	Total/NA	Soil	5035	
490-22732-11	TRIP BLANK	Total/NA	Soil	5035	

Prep Batch: 69041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23072-A-6-D MS	Matrix Spike	Total/NA	Solid	5035	
490-23072-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 69193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22732-1	MW-7 (5-10)	Total/NA	Soil	8260B	67971
490-22732-2	MW-7 (10-15)	Total/NA	Soil	8260B	67971
490-22732-3	MW-7 (15-20)	Total/NA	Soil	8260B	67971
490-22732-4	MW-7 (20-25)	Total/NA	Soil	8260B	67971
490-22732-5	MW-7 (25-30)	Total/NA	Soil	8260B	67971
490-22732-6	MW-7 (30-35)	Total/NA	Soil	8260B	67971
490-22732-7	MW-7 (35-40)	Total/NA	Soil	8260B	67971
490-22732-8	MW-7 (40-45)	Total/NA	Soil	8260B	67971
490-22732-9	MW-7 (45-50)	Total/NA	Soil	8260B	67971
490-22732-10	MW-7 (50-55)	Total/NA	Soil	8260B	67971
490-23072-A-6-D MS	Matrix Spike	Total/NA	Solid	8260B	69041
490-23072-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	69041
LCS 490-69193/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 490-69193/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 69464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22732-11	TRIP BLANK	Total/NA	Soil	8260B	67971
LCS 490-69464/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-69464/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-69464/7	Method Blank	Total/NA	Solid	8260B	

Client Sample ID: MW-7 (5-10)

Lab Sample ID: 490-22732-1

Date Collected: 03/22/13 08:00

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 16:20	MH	TAL NSH

Client Sample ID: MW-7 (10-15)

Lab Sample ID: 490-22732-2

Date Collected: 03/22/13 08:10

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 16:49	MH	TAL NSH

Client Sample ID: MW-7 (15-20)

Lab Sample ID: 490-22732-3

Date Collected: 03/22/13 08:15

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 17:19	MH	TAL NSH

Client Sample ID: MW-7 (20-25)

Lab Sample ID: 490-22732-4

Date Collected: 03/22/13 08:25

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 17:49	MH	TAL NSH

Client Sample ID: MW-7 (25-30)

Lab Sample ID: 490-22732-5

Date Collected: 03/22/13 08:32

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 18:19	MH	TAL NSH

Client Sample ID: MW-7 (30-35)

Lab Sample ID: 490-22732-6

Date Collected: 03/22/13 08:45

Matrix: Soil

Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 18:49	MH	TAL NSH

Client Sample ID: MW-7 (35-40)

Lab Sample ID: 490-22732-7

Date Collected: 03/22/13 09:15
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 19:19	MH	TAL NSH

Client Sample ID: MW-7 (40-45)

Lab Sample ID: 490-22732-8

Date Collected: 03/22/13 09:30
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 19:49	MH	TAL NSH

Client Sample ID: MW-7 (45-50)

Lab Sample ID: 490-22732-9

Date Collected: 03/22/13 09:50
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 20:18	MH	TAL NSH

Client Sample ID: MW-7 (50-55)

Lab Sample ID: 490-22732-10

Date Collected: 03/22/13 10:00
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69193	04/01/13 20:48	MH	TAL NSH

Client Sample ID: TRIP BLANK

Lab Sample ID: 490-22732-11

Date Collected: 03/22/13 00:01
Matrix: Soil
Date Received: 03/26/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67971	03/26/13 18:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	69464	04/02/13 13:59	MH	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22732-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	1,1,1,2-Tetrachloroethane
8260B		Solid	1,1,1-Trichloroethane
8260B		Solid	1,1,2,2-Tetrachloroethane
8260B		Solid	1,1,2-Trichloroethane
8260B		Solid	1,1-Dichloroethane
8260B		Solid	1,1-Dichloroethene
8260B		Solid	1,1-Dichloropropene
8260B		Solid	1,2,3-Trichlorobenzene
8260B		Solid	1,2,3-Trichloropropane
8260B		Solid	1,2,4-Trichlorobenzene
8260B		Solid	1,2,4-Trimethylbenzene
8260B		Solid	1,2-Dibromo-3-Chloropropane
8260B		Solid	1,2-Dibromoethane (EDB)
8260B		Solid	1,2-Dichlorobenzene
8260B		Solid	1,2-Dichloroethane
8260B		Solid	1,2-Dichloropropane
8260B		Solid	1,3,5-Trimethylbenzene
8260B		Solid	1,3-Dichlorobenzene
8260B		Solid	1,3-Dichloropropane
8260B		Solid	1,4-Dichlorobenzene
8260B		Solid	2,2-Dichloropropane
8260B		Solid	2-Butanone (MEK)
8260B		Solid	2-Chlorotoluene
8260B		Solid	2-Hexanone
8260B		Solid	4-Chlorotoluene
8260B		Solid	4-Methyl-2-pentanone (MIBK)
8260B		Solid	Acetone
8260B		Solid	Benzene
8260B		Solid	Bromobenzene
8260B		Solid	Bromochloromethane
8260B		Solid	Bromodichloromethane
8260B		Solid	Bromoform
8260B		Solid	Bromomethane
8260B		Solid	Carbon disulfide
8260B		Solid	Carbon tetrachloride
8260B		Solid	Chlorobenzene
8260B		Solid	Chlorodibromomethane
8260B		Solid	Chloroethane
8260B		Solid	Chloroform
8260B		Solid	Chloromethane
8260B		Solid	cis-1,2-Dichloroethene
8260B		Solid	cis-1,3-Dichloropropene
8260B		Solid	Dibromomethane
8260B		Solid	Dichlorodifluoromethane
8260B		Solid	Ethylbenzene
8260B		Solid	Methyl tert-butyl ether
8260B		Solid	Methylene Chloride
8260B		Solid	Naphthalene

Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260B		Solid	n-Butylbenzene
8260B		Solid	N-Propylbenzene
8260B		Solid	p-Isopropyltoluene
8260B		Solid	sec-Butylbenzene
8260B		Solid	Styrene
8260B		Solid	tert-Butylbenzene
8260B		Solid	Tetrachloroethene
8260B		Solid	Toluene
8260B		Solid	trans-1,2-Dichloroethene
8260B		Solid	trans-1,3-Dichloropropene
8260B		Solid	Trichloroethene
8260B		Solid	Trichlorofluoromethane
8260B		Solid	Vinyl chloride
8260B		Solid	Xylenes, Total
8260B	5035	Soil	1,1,1,2-Tetrachloroethane
8260B	5035	Soil	1,1,1-Trichloroethane
8260B	5035	Soil	1,1,2,2-Tetrachloroethane
8260B	5035	Soil	1,1,2-Trichloroethane
8260B	5035	Soil	1,1-Dichloroethane
8260B	5035	Soil	1,1-Dichloroethene
8260B	5035	Soil	1,1-Dichloropropene
8260B	5035	Soil	1,2,3-Trichlorobenzene
8260B	5035	Soil	1,2,3-Trichloropropane
8260B	5035	Soil	1,2,4-Trichlorobenzene
8260B	5035	Soil	1,2,4-Trimethylbenzene
8260B	5035	Soil	1,2-Dibromo-3-Chloropropane
8260B	5035	Soil	1,2-Dibromoethane (EDB)
8260B	5035	Soil	1,2-Dichlorobenzene
8260B	5035	Soil	1,2-Dichloroethane
8260B	5035	Soil	1,2-Dichloropropane
8260B	5035	Soil	1,3,5-Trimethylbenzene
8260B	5035	Soil	1,3-Dichlorobenzene
8260B	5035	Soil	1,3-Dichloropropane
8260B	5035	Soil	1,4-Dichlorobenzene
8260B	5035	Soil	2,2-Dichloropropane
8260B	5035	Soil	2-Butanone (MEK)
8260B	5035	Soil	2-Chlorotoluene
8260B	5035	Soil	2-Hexanone
8260B	5035	Soil	4-Chlorotoluene
8260B	5035	Soil	4-Methyl-2-pentanone (MIBK)
8260B	5035	Soil	Acetone
8260B	5035	Soil	Benzene
8260B	5035	Soil	Bromobenzene
8260B	5035	Soil	Bromochloromethane
8260B	5035	Soil	Bromodichloromethane
8260B	5035	Soil	Bromoform
8260B	5035	Soil	Bromomethane
8260B	5035	Soil	Carbon disulfide

Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Soil	Carbon tetrachloride
8260B	5035	Soil	Chlorobenzene
8260B	5035	Soil	Chlorodibromomethane
8260B	5035	Soil	Chloroethane
8260B	5035	Soil	Chloroform
8260B	5035	Soil	Chloromethane
8260B	5035	Soil	cis-1,2-Dichloroethene
8260B	5035	Soil	cis-1,3-Dichloropropene
8260B	5035	Soil	Dibromomethane
8260B	5035	Soil	Dichlorodifluoromethane
8260B	5035	Soil	Ethylbenzene
8260B	5035	Soil	Hexachlorobutadiene
8260B	5035	Soil	Isopropylbenzene
8260B	5035	Soil	Methyl tert-butyl ether
8260B	5035	Soil	Methylene Chloride
8260B	5035	Soil	Naphthalene
8260B	5035	Soil	n-Butylbenzene
8260B	5035	Soil	N-Propylbenzene
8260B	5035	Soil	p-Isopropyltoluene
8260B	5035	Soil	sec-Butylbenzene
8260B	5035	Soil	Styrene
8260B	5035	Soil	tert-Butylbenzene
8260B	5035	Soil	Tetrachloroethene
8260B	5035	Soil	Toluene
8260B	5035	Soil	trans-1,2-Dichloroethene
8260B	5035	Soil	trans-1,3-Dichloropropene
8260B	5035	Soil	Trichloroethene
8260B	5035	Soil	Trichlorofluoromethane
8260B	5035	Soil	Vinyl chloride
8260B	5035	Soil	Xylenes, Total
8260B	5035	Solid	1,1,1,2-Tetrachloroethane
8260B	5035	Solid	1,1,1-Trichloroethane
8260B	5035	Solid	1,1,2,2-Tetrachloroethane
8260B	5035	Solid	1,1,2-Trichloroethane
8260B	5035	Solid	1,1-Dichloroethane
8260B	5035	Solid	1,1-Dichloroethene
8260B	5035	Solid	1,1-Dichloropropene
8260B	5035	Solid	1,2,3-Trichlorobenzene
8260B	5035	Solid	1,2,3-Trichloropropane
8260B	5035	Solid	1,2,4-Trichlorobenzene
8260B	5035	Solid	1,2,4-Trimethylbenzene
8260B	5035	Solid	1,2-Dibromo-3-Chloropropane
8260B	5035	Solid	1,2-Dibromoethane (EDB)
8260B	5035	Solid	1,2-Dichlorobenzene
8260B	5035	Solid	1,2-Dichloroethane
8260B	5035	Solid	1,2-Dichloropropane
8260B	5035	Solid	1,3,5-Trimethylbenzene
8260B	5035	Solid	1,3-Dichlorobenzene

Laboratory: TestAmerica Nashville (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropane
8260B	5035	Solid	1,4-Dichlorobenzene
8260B	5035	Solid	2,2-Dichloropropane
8260B	5035	Solid	2-Butanone (MEK)
8260B	5035	Solid	2-Chlorotoluene
8260B	5035	Solid	2-Hexanone
8260B	5035	Solid	4-Chlorotoluene
8260B	5035	Solid	4-Methyl-2-pentanone (MIBK)
8260B	5035	Solid	Acetone
8260B	5035	Solid	Benzene
8260B	5035	Solid	Bromobenzene
8260B	5035	Solid	Bromochloromethane
8260B	5035	Solid	Bromodichloromethane
8260B	5035	Solid	Bromoform
8260B	5035	Solid	Bromomethane
8260B	5035	Solid	Carbon disulfide
8260B	5035	Solid	Carbon tetrachloride
8260B	5035	Solid	Chlorobenzene
8260B	5035	Solid	Chlorodibromomethane
8260B	5035	Solid	Chloroethane
8260B	5035	Solid	Chloroform
8260B	5035	Solid	Chloromethane
8260B	5035	Solid	cis-1,2-Dichloroethene
8260B	5035	Solid	cis-1,3-Dichloropropene
8260B	5035	Solid	Dibromomethane
8260B	5035	Solid	Dichlorodifluoromethane
8260B	5035	Solid	Ethylbenzene
8260B	5035	Solid	Hexachlorobutadiene
8260B	5035	Solid	Isopropylbenzene
8260B	5035	Solid	Methyl tert-butyl ether
8260B	5035	Solid	Methylene Chloride
8260B	5035	Solid	Naphthalene
8260B	5035	Solid	n-Butylbenzene
8260B	5035	Solid	N-Propylbenzene
8260B	5035	Solid	p-Isopropyltoluene
8260B	5035	Solid	sec-Butylbenzene
8260B	5035	Solid	Styrene
8260B	5035	Solid	tert-Butylbenzene
8260B	5035	Solid	Tetrachloroethene
8260B	5035	Solid	Toluene
8260B	5035	Solid	trans-1,2-Dichloroethene
8260B	5035	Solid	trans-1,3-Dichloropropene
8260B	5035	Solid	Trichloroethene
8260B	5035	Solid	Trichlorofluoromethane
8260B	5035	Solid	Vinyl chloride
8260B	5035	Solid	Xylenes, Total

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

490-22732 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 3/26/2013 @ 0830

1. Tracking # 8550 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: (1) Front

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) MW

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used MW 3.26.13 YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MW

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MW

I certify that I attached a label with the unique LIMS number to each container (intial) MW

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO #_____

BIS = Broken in shipment

TestAmerica Nashville
Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica THE LEADER IN ENVIRO

Loc: 490
22732

4/9/2013

Client Information	Sampler: Michael F. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 914 694 5711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 1
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days):			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-7 (5-10)	3/22/13	0800	G	S			X		-1
MW-7 (10-15)		0810							2
MW-7 (15-20)		0815							3
MW-7 (20-25)		0825							4
MW-7 (25-30)		0832							5
MW-7 (30-35)		0845							6
MW-7 (35-40)		0915							7
MW-7 (40-45)		0930							8
MW-7 (45-50)		0950							9
MW-7 (50-55)	↓	1000	↓	↓					10
TRIP BLANK	—	—	—						11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/25/13 1700	C36, INC.	[signature]	3-26-13 @ 0830	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.9c

Login Sample Receipt Checklist

Client: Leggette, Brashears & Graham, Inc.

Job Number: 490-22732-1
SDG Number: 202-06 Hillside Avenue, Hollis, NY

Login Number: 22732
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-22586-1
TestAmerica SDG: 202-06 Hillside Avenue, Hollis, NY
Client Project/Site: CFI Hollis 70263 / V2114

For:
Leggette, Brashears & Graham, Inc.
110 Corporate Park Drive, Suite 112
White Plains, New York 10604

Attn: Jorma Weber

Sherry M Salomon

Authorized for release by:
4/4/2013 3:50:06 PM

Sherry Salomon
Project Mgmt. Assistant
sherry.salomon@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 30
QC Association 46
Chronicle 48
Method Summary 51
Certification Summary 52
Chain of Custody 53
Receipt Checklists 55

Sample Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-22586-1	MW-8 (5-7)	Solid	03/21/13 08:30	03/23/13 08:00
490-22586-2	MW-8 (20-22)	Solid	03/21/13 09:10	03/23/13 08:00
490-22586-3	MW-8 (25-27)	Solid	03/21/13 09:25	03/23/13 08:00
490-22586-4	MW-8 (30-32)	Solid	03/21/13 09:37	03/23/13 08:00
490-22586-5	MW-8 (35-37)	Solid	03/21/13 09:53	03/23/13 08:00
490-22586-6	MW-8 (40-42)	Solid	03/21/13 10:30	03/23/13 08:00
490-22586-7	MW-8 (45-47)	Solid	03/21/13 10:50	03/23/13 08:00
490-22586-8	MW-8 (50-52)	Solid	03/21/13 11:10	03/23/13 08:00
490-22586-9	MW-8 (55-57)	Solid	03/21/13 12:20	03/23/13 08:00
490-22586-10	MW-8 (60-62)	Solid	03/21/13 12:30	03/23/13 08:00
490-22586-11	MW-8 (65-67)	Solid	03/21/13 13:15	03/23/13 08:00
490-22586-12	Trip Blank	Solid	03/21/13 00:01	03/23/13 08:00

Job ID: 490-22586-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-22586-1

Comments
No additional comments.

Receipt
The samples were received on 3/22/2013 at 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method(s) 8260B: The following samples were diluted due to the natures of the sample matrices: MW-8 (30-32) (490-22586-4), MW-8 (40-42) (490-22586-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Insufficient sample volumes were available to perform matrix spikes/matrix spike duplicates (MS/MSD) associated with analysis batches 68361, 68718 and 68917.

Method(s) 8260B: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analysis batch 68917 exceeded control limits for the several analytes. These analytes were biased high in the LCS/LCSD and were not detected and/or not reported from this batch for the associated samples; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) associated with analysis batch 68917 recovered above the upper control limit for several analytes. The affected analytes were either not detected or not reported from this batch for the samples associated with this CCV; therefore, the data have been reported.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

The laboratory is only responsible for the certified testing and is not responsible for the sample integrity prior to laboratory receipt.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.
*	RPD of the LCS and LCSD exceeds the control limits

Glossary

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

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (5-7)
Date Collected: 03/21/13 08:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1,1-Trichloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1,2,2-Tetrachloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1,2-Trichloroethane	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1-Dichloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1-Dichloroethene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,1-Dichloropropene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2,3-Trichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2,3-Trichloropropane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2,4-Trichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2,4-Trimethylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dibromo-3-Chloropropane	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dibromoethane (EDB)	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dichloroethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,2-Dichloropropane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,3,5-Trimethylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,3-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,3-Dichloropropane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
1,4-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
2,2-Dichloropropane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
2-Butanone (MEK)	ND		38.4		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
2-Chlorotoluene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
2-Hexanone	ND		38.4		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
4-Chlorotoluene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		38.4		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Acetone	ND		38.4		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Benzene	**1.90**		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromochloromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromodichloromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromoform	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Bromomethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Carbon disulfide	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Carbon tetrachloride	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chlorobenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chlorodibromomethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chloroethane	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chloroform	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Chloromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
cis-1,2-Dichloroethene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
cis-1,3-Dichloropropene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Dibromomethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Dichlorodifluoromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Ethylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Hexachlorobutadiene	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Isopropylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Methyl tert-butyl ether	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Methylene Chloride	ND		7.68		ug/Kg		03/23/13 20:21	03/28/13 13:36	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (5-7)
Date Collected: 03/21/13 08:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
n-Butylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
N-Propylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
p-Isopropyltoluene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
sec-Butylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Styrene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
tert-Butylbenzene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Tetrachloroethene	**4.03**		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Toluene	**3.18**		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
trans-1,2-Dichloroethene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
trans-1,3-Dichloropropene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Trichloroethene	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Trichlorofluoromethane	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Vinyl chloride	ND		1.54		ug/Kg		03/23/13 20:21	03/28/13 13:36	1
Xylenes, Total	ND		3.84		ug/Kg		03/23/13 20:21	03/28/13 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:36*	*1*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:36*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:36*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:36*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (20-22)
Date Collected: 03/21/13 09:10
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1,1-Trichloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1,2,2-Tetrachloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1,2-Trichloroethane	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1-Dichloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1-Dichloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,1-Dichloropropene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2,3-Trichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2,3-Trichloropropane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2,4-Trichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2,4-Trimethylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dibromo-3-Chloropropane	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dibromoethane (EDB)	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dichloroethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,2-Dichloropropane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,3,5-Trimethylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,3-Dichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,3-Dichloropropane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
1,4-Dichlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
2,2-Dichloropropane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
2-Butanone (MEK)	ND		47.3		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
2-Chlorotoluene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
2-Hexanone	ND		47.3		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
4-Chlorotoluene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
4-Methyl-2-pentanone (MIBK)	ND		47.3		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Acetone	ND		47.3		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Benzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromochloromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromodichloromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromoform	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Bromomethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Carbon disulfide	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Carbon tetrachloride	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chlorobenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chlorodibromomethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chloroethane	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chloroform	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Chloromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
cis-1,2-Dichloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
cis-1,3-Dichloropropene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Dibromomethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Dichlorodifluoromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Ethylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Hexachlorobutadiene	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Isopropylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Methyl tert-butyl ether	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Methylene Chloride	ND		9.46		ug/Kg		03/23/13 20:21	03/28/13 14:07	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (20-22)
Date Collected: 03/21/13 09:10
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
n-Butylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
N-Propylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
p-Isopropyltoluene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
sec-Butylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Styrene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
tert-Butylbenzene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Tetrachloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Toluene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
trans-1,2-Dichloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
trans-1,3-Dichloropropene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Trichloroethene	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Trichlorofluoromethane	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Vinyl chloride	ND		1.89		ug/Kg		03/23/13 20:21	03/28/13 14:07	1
Xylenes, Total	ND		4.73		ug/Kg		03/23/13 20:21	03/28/13 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:07*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:07*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:07*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:07*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (25-27)
Date Collected: 03/21/13 09:25
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1,1-Trichloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1,2,2-Tetrachloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1,2-Trichloroethane	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1-Dichloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1-Dichloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,1-Dichloropropene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2,3-Trichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2,3-Trichloropropane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2,4-Trichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2,4-Trimethylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dibromo-3-Chloropropane	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dibromoethane (EDB)	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dichloroethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,2-Dichloropropane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,3,5-Trimethylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,3-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,3-Dichloropropane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
1,4-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
2,2-Dichloropropane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
2-Butanone (MEK)	ND		46.7		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
2-Chlorotoluene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
2-Hexanone	ND		46.7		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
4-Chlorotoluene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		46.7		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Acetone	ND		46.7		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Benzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromochloromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromodichloromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromoform	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Bromomethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Carbon disulfide	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Carbon tetrachloride	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chlorobenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chlorodibromomethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chloroethane	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chloroform	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Chloromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
cis-1,2-Dichloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
cis-1,3-Dichloropropene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Dibromomethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Dichlorodifluoromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Ethylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Hexachlorobutadiene	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Isopropylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Methyl tert-butyl ether	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Methylene Chloride	ND		9.33		ug/Kg		03/23/13 20:21	03/29/13 13:46	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (25-27)
Date Collected: 03/21/13 09:25
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
n-Butylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
N-Propylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
p-Isopropyltoluene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
sec-Butylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Styrene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
tert-Butylbenzene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Tetrachloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Toluene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
trans-1,2-Dichloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
trans-1,3-Dichloropropene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Trichloroethene	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Trichlorofluoromethane	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Vinyl chloride	ND		1.87		ug/Kg		03/23/13 20:21	03/29/13 13:46	1
Xylenes, Total	ND		4.67		ug/Kg		03/23/13 20:21	03/29/13 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*03/23/13 20:21*	*03/29/13 13:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/23/13 20:21*	*03/29/13 13:46*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*03/23/13 20:21*	*03/29/13 13:46*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 20:21*	*03/29/13 13:46*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (30-32)
Date Collected: 03/21/13 09:37
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1,1-Trichloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1,2,2-Tetrachloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1,2-Trichloroethane	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1-Dichloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1-Dichloroethene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,1-Dichloropropene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2,3-Trichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2,3-Trichloropropane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2,4-Trichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2,4-Trimethylbenzene	**96700**		1970		ug/Kg		03/23/13 20:19	03/28/13 19:51	20
1,2-Dibromo-3-Chloropropane	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2-Dibromoethane (EDB)	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2-Dichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2-Dichloroethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,2-Dichloropropane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,3,5-Trimethylbenzene	**27900**		1970		ug/Kg		03/23/13 20:19	03/28/13 19:51	20
1,3-Dichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,3-Dichloropropane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
1,4-Dichlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
2,2-Dichloropropane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
2-Butanone (MEK)	ND		2460		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
2-Chlorotoluene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
2-Hexanone	ND		2460		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
4-Chlorotoluene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
4-Methyl-2-pentanone (MIBK)	ND		2460		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Acetone	ND		2460		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Benzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromochloromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromodichloromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromoform	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Bromomethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Carbon disulfide	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Carbon tetrachloride	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chlorobenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chlorodibromomethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chloroethane	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chloroform	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Chloromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
cis-1,2-Dichloroethene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
cis-1,3-Dichloropropene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Dibromomethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Dichlorodifluoromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Ethylbenzene	**3240**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Hexachlorobutadiene	ND		246		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Isopropylbenzene	**1180**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Methyl tert-butyl ether	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Methylene Chloride	ND		493		ug/Kg		03/23/13 20:19	03/28/13 19:20	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (30-32)
Date Collected: 03/21/13 09:37
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**54300**		4930		ug/Kg		03/23/13 20:19	03/28/13 19:51	20
n-Butylbenzene	**18200**		1970		ug/Kg		03/23/13 20:19	03/28/13 19:51	20
N-Propylbenzene	**6630**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
p-Isopropyltoluene	**1540**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
sec-Butylbenzene	**1400**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Styrene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
tert-Butylbenzene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Tetrachloroethene	**187**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Toluene	**387**		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
trans-1,2-Dichloroethene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
trans-1,3-Dichloropropene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Trichloroethene	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Trichlorofluoromethane	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Vinyl chloride	ND		98.5		ug/Kg		03/23/13 20:19	03/28/13 19:20	1
Xylenes, Total	**41300**		4930		ug/Kg		03/23/13 20:19	03/28/13 19:51	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:51*	*20*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:20*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:51*	*20*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:20*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:51*	*20*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:20*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*	*03/23/13 20:19*	*03/28/13 19:51*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (35-37)
Date Collected: 03/21/13 09:53
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1,1-Trichloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1,2,2-Tetrachloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1,2-Trichloroethane	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1-Dichloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1-Dichloroethene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,1-Dichloropropene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2,3-Trichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2,3-Trichloropropane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2,4-Trichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2,4-Trimethylbenzene	**7000**		76.2		ug/Kg		03/23/13 20:19	03/30/13 01:59	1
1,2-Dibromo-3-Chloropropane	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2-Dibromoethane (EDB)	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2-Dichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2-Dichloroethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,2-Dichloropropane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,3,5-Trimethylbenzene	**1870**		76.2		ug/Kg		03/23/13 20:19	03/30/13 01:59	1
1,3-Dichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,3-Dichloropropane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
1,4-Dichlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
2,2-Dichloropropane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
2-Butanone (MEK)	ND		40.4		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
2-Chlorotoluene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
2-Hexanone	ND		40.4		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
4-Chlorotoluene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
4-Methyl-2-pentanone (MIBK)	ND		40.4		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Acetone	**71.2**		40.4		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Benzene	**2.84**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromochloromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromodichloromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromoform	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Bromomethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Carbon disulfide	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Carbon tetrachloride	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chlorobenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chlorodibromomethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chloroethane	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chloroform	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Chloromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
cis-1,2-Dichloroethene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
cis-1,3-Dichloropropene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Dibromomethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Dichlorodifluoromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Ethylbenzene	**87.4**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Hexachlorobutadiene	ND		4.04		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Isopropylbenzene	**22.3**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Methyl tert-butyl ether	**4.13**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Methylene Chloride	ND		8.09		ug/Kg		03/23/13 20:21	03/28/13 15:10	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (35-37)
Date Collected: 03/21/13 09:53
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**3340**		191		ug/Kg		03/23/13 20:19	03/30/13 01:59	1
n-Butylbenzene	**1110**		76.2		ug/Kg		03/23/13 20:19	03/30/13 01:59	1
N-Propylbenzene	**126**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
p-Isopropyltoluene	**15.9**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
sec-Butylbenzene	**18.0**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Styrene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
tert-Butylbenzene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Tetrachloroethene	**7.60**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Toluene	**24.1**		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
trans-1,2-Dichloroethene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
trans-1,3-Dichloropropene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Trichloroethene	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Trichlorofluoromethane	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Vinyl chloride	ND		1.62		ug/Kg		03/23/13 20:21	03/28/13 15:10	1
Xylenes, Total	**3570**		191		ug/Kg		03/23/13 20:19	03/30/13 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 20:19*	*03/30/13 01:59*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:10*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*03/23/13 20:19*	*03/30/13 01:59*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:10*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*03/23/13 20:19*	*03/30/13 01:59*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:10*	*1*
Toluene-d8 (Surr)	*88*		*70 - 130*	*03/23/13 20:19*	*03/30/13 01:59*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (40-42)
Date Collected: 03/21/13 10:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-6
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1,1-Trichloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1,2,2-Tetrachloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1,2-Trichloroethane	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1-Dichloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1-Dichloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,1-Dichloropropene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2,3-Trichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2,3-Trichloropropane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2,4-Trichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2,4-Trimethylbenzene	**103000**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
1,2-Dibromo-3-Chloropropane	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2-Dibromoethane (EDB)	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2-Dichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2-Dichloroethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,2-Dichloropropane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,3,5-Trimethylbenzene	**29500**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
1,3-Dichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,3-Dichloropropane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
1,4-Dichlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
2,2-Dichloropropane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
2-Butanone (MEK)	ND		2290		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
2-Chlorotoluene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
2-Hexanone	ND		2290		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
4-Chlorotoluene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
4-Methyl-2-pentanone (MIBK)	ND		2290		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Acetone	ND		2290		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Benzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromochloromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromodichloromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromoform	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Bromomethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Carbon disulfide	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Carbon tetrachloride	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chlorobenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chlorodibromomethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chloroethane	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chloroform	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Chloromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
cis-1,2-Dichloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
cis-1,3-Dichloropropene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Dibromomethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Dichlorodifluoromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Ethylbenzene	**8680**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
Hexachlorobutadiene	ND		229		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Isopropylbenzene	**2110**		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Methyl tert-butyl ether	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Methylene Chloride	ND		457		ug/Kg		03/23/13 20:19	03/28/13 18:18	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (40-42)
Date Collected: 03/21/13 10:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**40200**		4570		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
n-Butylbenzene	**15400**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
N-Propylbenzene	**10700**		1830		ug/Kg		03/23/13 20:19	03/28/13 18:49	20
p-Isopropyltoluene	**1270**		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
sec-Butylbenzene	**1800**		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Styrene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
tert-Butylbenzene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Tetrachloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Toluene	**404**		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
trans-1,2-Dichloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
trans-1,3-Dichloropropene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Trichloroethene	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Trichlorofluoromethane	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Vinyl chloride	ND		91.4		ug/Kg		03/23/13 20:19	03/28/13 18:18	1
Xylenes, Total	**54600**		4570		ug/Kg		03/23/13 20:19	03/28/13 18:49	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:49*	*20*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:18*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:49*	*20*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:18*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:49*	*20*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:18*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*03/23/13 20:19*	*03/28/13 18:49*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (45-47)
Date Collected: 03/21/13 10:50
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1,1-Trichloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1,2,2-Tetrachloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1,2-Trichloroethane	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1-Dichloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1-Dichloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,1-Dichloropropene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2,3-Trichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2,3-Trichloropropane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2,4-Trichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2,4-Trimethylbenzene	**46100**		1810		ug/Kg		03/23/13 20:19	03/30/13 04:02	20
1,2-Dibromo-3-Chloropropane	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2-Dibromoethane (EDB)	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2-Dichloroethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,2-Dichloropropane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,3,5-Trimethylbenzene	**12800**		1810		ug/Kg		03/23/13 20:19	03/30/13 04:02	20
1,3-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,3-Dichloropropane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
1,4-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
2,2-Dichloropropane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
2-Butanone (MEK)	ND		44.9		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
2-Chlorotoluene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
2-Hexanone	ND		44.9		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
4-Chlorotoluene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
4-Methyl-2-pentanone (MIBK)	ND		44.9		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Acetone	ND		44.9		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Benzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromochloromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromodichloromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromoform	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Bromomethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Carbon disulfide	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Carbon tetrachloride	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chlorobenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chlorodibromomethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chloroethane	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chloroform	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Chloromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
cis-1,2-Dichloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
cis-1,3-Dichloropropene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Dibromomethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Dichlorodifluoromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Ethylbenzene	**4100**		90.4		ug/Kg		03/23/13 20:19	03/30/13 03:31	1
Hexachlorobutadiene	ND		4.49		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Isopropylbenzene	**85.6**		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Methyl tert-butyl ether	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Methylene Chloride	ND		8.98		ug/Kg		03/23/13 20:21	03/28/13 15:41	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (45-47)
Date Collected: 03/21/13 10:50
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**19300**		4520		ug/Kg		03/23/13 20:19	03/30/13 04:02	20
n-Butylbenzene	**6270**		90.4		ug/Kg		03/23/13 20:19	03/30/13 03:31	1
N-Propylbenzene	**4380**		90.4		ug/Kg		03/23/13 20:19	03/30/13 03:31	1
p-Isopropyltoluene	**46.0**		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
sec-Butylbenzene	**61.3**		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Styrene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
tert-Butylbenzene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Tetrachloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Toluene	**9.50**		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
trans-1,2-Dichloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
trans-1,3-Dichloropropene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Trichloroethene	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Trichlorofluoromethane	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Vinyl chloride	ND		1.80		ug/Kg		03/23/13 20:21	03/28/13 15:41	1
Xylenes, Total	**25000**		226		ug/Kg		03/23/13 20:19	03/30/13 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:02*	*20*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:31*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:02*	*20*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:41*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:31*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:02*	*20*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 20:21*	*03/28/13 15:41*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:31*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:02*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (50-52)
Date Collected: 03/21/13 11:10
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1,1-Trichloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1,2,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1,2-Trichloroethane	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1-Dichloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1-Dichloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,1-Dichloropropene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2,3-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2,3-Trichloropropane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2,4-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2,4-Trimethylbenzene	**7820**		103		ug/Kg		03/23/13 20:19	03/30/13 02:30	1
1,2-Dibromo-3-Chloropropane	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2-Dibromoethane (EDB)	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2-Dichloroethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,2-Dichloropropane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,3,5-Trimethylbenzene	**90.9**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,3-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,3-Dichloropropane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
1,4-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
2,2-Dichloropropane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
2-Butanone (MEK)	ND		49.5		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
2-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
2-Hexanone	ND		49.5		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
4-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		49.5		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Acetone	ND		49.5		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Benzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromochloromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromodichloromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromoform	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Bromomethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Carbon disulfide	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Carbon tetrachloride	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chlorobenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chlorodibromomethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chloroethane	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chloroform	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Chloromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
cis-1,2-Dichloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
cis-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Dibromomethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Dichlorodifluoromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Ethylbenzene	**19.6**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Hexachlorobutadiene	ND		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Isopropylbenzene	**5.84**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Methyl tert-butyl ether	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Methylene Chloride	ND		9.90		ug/Kg		03/23/13 20:21	03/28/13 16:13	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (50-52)
Date Collected: 03/21/13 11:10
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**2740**		257		ug/Kg		03/23/13 20:19	03/30/13 02:30	1
n-Butylbenzene	**69.8**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
N-Propylbenzene	**26.3**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
p-Isopropyltoluene	**4.66**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
sec-Butylbenzene	**6.68**		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Styrene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
tert-Butylbenzene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Tetrachloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Toluene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
trans-1,2-Dichloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
trans-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Trichloroethene	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Trichlorofluoromethane	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Vinyl chloride	ND		1.98		ug/Kg		03/23/13 20:21	03/28/13 16:13	1
Xylenes, Total	**128**		4.95		ug/Kg		03/23/13 20:21	03/28/13 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*03/23/13 20:19*	*03/30/13 02:30*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:13*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 20:19*	*03/30/13 02:30*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:13*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 20:19*	*03/30/13 02:30*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:13*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 02:30*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (55-57)
Date Collected: 03/21/13 12:20
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-9
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1,1-Trichloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1,2,2-Tetrachloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1,2-Trichloroethane	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1-Dichloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1-Dichloroethene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,1-Dichloropropene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2,3-Trichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2,3-Trichloropropane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2,4-Trichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2,4-Trimethylbenzene	**8420**		1810		ug/Kg		03/23/13 20:19	03/30/13 05:03	20
1,2-Dibromo-3-Chloropropane	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2-Dibromoethane (EDB)	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2-Dichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2-Dichloroethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,2-Dichloropropane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,3,5-Trimethylbenzene	**3000**		90.7		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
1,3-Dichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,3-Dichloropropane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
1,4-Dichlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
2,2-Dichloropropane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
2-Butanone (MEK)	ND		43.1		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
2-Chlorotoluene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
2-Hexanone	ND		43.1		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
4-Chlorotoluene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		43.1		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Acetone	ND		43.1		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Benzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromochloromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromodichloromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromoform	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Bromomethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Carbon disulfide	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Carbon tetrachloride	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chlorobenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chlorodibromomethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chloroethane	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chloroform	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Chloromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
cis-1,2-Dichloroethene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
cis-1,3-Dichloropropene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Dibromomethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Dichlorodifluoromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Ethylbenzene	**144**		90.7		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
Hexachlorobutadiene	ND		4.31		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Isopropylbenzene	**163**		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Methyl tert-butyl ether	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Methylene Chloride	ND		8.62		ug/Kg		03/23/13 20:21	03/28/13 16:44	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (55-57)
Date Collected: 03/21/13 12:20
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**767**		227		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
n-Butylbenzene	**1230**		90.7		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
N-Propylbenzene	**1080**		90.7		ug/Kg		03/23/13 20:19	03/30/13 04:33	1
p-Isopropyltoluene	**70.4**		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
sec-Butylbenzene	**101**		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Styrene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
tert-Butylbenzene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Tetrachloroethene	**64.5**		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Toluene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
trans-1,2-Dichloroethene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
trans-1,3-Dichloropropene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Trichloroethene	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Trichlorofluoromethane	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Vinyl chloride	ND		1.72		ug/Kg		03/23/13 20:21	03/28/13 16:44	1
Xylenes, Total	**572**		227		ug/Kg		03/23/13 20:19	03/30/13 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*	*03/23/13 20:19*	*03/30/13 05:03*	*20*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:44*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:33*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/23/13 20:19*	*03/30/13 05:03*	*20*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:44*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:33*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/30/13 05:03*	*20*
Toluene-d8 (Surr)	*111*		*70 - 130*	*03/23/13 20:21*	*03/28/13 16:44*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*03/23/13 20:19*	*03/30/13 04:33*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*03/23/13 20:19*	*03/30/13 05:03*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (60-62)
Date Collected: 03/21/13 12:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1,1-Trichloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1,2-Trichloroethane	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1-Dichloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1-Dichloroethene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,1-Dichloropropene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2,3-Trichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2,3-Trichloropropane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2,4-Trichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2,4-Trimethylbenzene	**15.3**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dibromo-3-Chloropropane	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dibromoethane (EDB)	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dichloroethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,2-Dichloropropane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,3,5-Trimethylbenzene	**5.54**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,3-Dichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,3-Dichloropropane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
1,4-Dichlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
2,2-Dichloropropane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
2-Butanone (MEK)	ND		43.9		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
2-Chlorotoluene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
2-Hexanone	ND		43.9		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
4-Chlorotoluene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		43.9		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Acetone	ND		43.9		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Benzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromochloromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromodichloromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromoform	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Bromomethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Carbon disulfide	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Carbon tetrachloride	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chlorobenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chlorodibromomethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chloroethane	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chloroform	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Chloromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
cis-1,2-Dichloroethene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
cis-1,3-Dichloropropene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Dibromomethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Dichlorodifluoromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Ethylbenzene	**1.76**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Hexachlorobutadiene	ND		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Isopropylbenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Methyl tert-butyl ether	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Methylene Chloride	ND		8.77		ug/Kg		03/23/13 20:21	03/28/13 14:39	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (60-62)
Date Collected: 03/21/13 12:30
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**5.04**		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
n-Butylbenzene	**4.81**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
N-Propylbenzene	**2.01**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
p-Isopropyltoluene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
sec-Butylbenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Styrene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
tert-Butylbenzene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Tetrachloroethene	**14.1**		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Toluene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
trans-1,2-Dichloroethene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
trans-1,3-Dichloropropene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Trichloroethene	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Trichlorofluoromethane	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Vinyl chloride	ND		1.75		ug/Kg		03/23/13 20:21	03/28/13 14:39	1
Xylenes, Total	**8.73**		4.39		ug/Kg		03/23/13 20:21	03/28/13 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:39*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:39*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:39*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*03/23/13 20:21*	*03/28/13 14:39*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (65-67)
Date Collected: 03/21/13 13:15
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1,1-Trichloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1,2,2-Tetrachloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1,2-Trichloroethane	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1-Dichloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1-Dichloroethene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,1-Dichloropropene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2,3-Trichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2,3-Trichloropropane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2,4-Trichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2,4-Trimethylbenzene	**1350**		87.9		ug/Kg		03/23/13 20:19	03/30/13 03:01	1
1,2-Dibromo-3-Chloropropane	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2-Dibromoethane (EDB)	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2-Dichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2-Dichloroethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,2-Dichloropropane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,3,5-Trimethylbenzene	**493**		87.9		ug/Kg		03/23/13 20:19	03/30/13 03:01	1
1,3-Dichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,3-Dichloropropane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
1,4-Dichlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
2,2-Dichloropropane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
2-Butanone (MEK)	ND		43.3		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
2-Chlorotoluene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
2-Hexanone	ND		43.3		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
4-Chlorotoluene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
4-Methyl-2-pentanone (MIBK)	ND		43.3		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Acetone	ND		43.3		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Benzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromochloromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromodichloromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromoform	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Bromomethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Carbon disulfide	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Carbon tetrachloride	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chlorobenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chlorodibromomethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chloroethane	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chloroform	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Chloromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
cis-1,2-Dichloroethene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
cis-1,3-Dichloropropene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Dibromomethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Dichlorodifluoromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Ethylbenzene	**17.5**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Hexachlorobutadiene	ND		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Isopropylbenzene	**20.9**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Methyl tert-butyl ether	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Methylene Chloride	ND		8.65		ug/Kg		03/23/13 20:21	03/28/13 17:15	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (65-67)
Date Collected: 03/21/13 13:15
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**91.4**		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
n-Butylbenzene	**437**		87.9		ug/Kg		03/23/13 20:19	03/30/13 03:01	1
N-Propylbenzene	**117**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
p-Isopropyltoluene	**18.7**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
sec-Butylbenzene	**28.4**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Styrene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
tert-Butylbenzene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Tetrachloroethene	**56.6**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Toluene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
trans-1,2-Dichloroethene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
trans-1,3-Dichloropropene	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Trichloroethene	**3.50**		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Trichlorofluoromethane	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Vinyl chloride	ND		1.73		ug/Kg		03/23/13 20:21	03/28/13 17:15	1
Xylenes, Total	**74.6**		4.33		ug/Kg		03/23/13 20:21	03/28/13 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 20:21*	*03/28/13 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:01*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*03/23/13 20:21*	*03/28/13 17:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:01*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*03/23/13 20:21*	*03/28/13 17:15*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:01*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/23/13 20:21*	*03/28/13 17:15*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*03/23/13 20:19*	*03/30/13 03:01*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 03/21/13 00:01
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-12
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1-Dichloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1-Dichloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,1-Dichloropropene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dichloroethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,2-Dichloropropane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,3-Dichloropropane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
2,2-Dichloropropane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
2-Butanone (MEK)	ND		50.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
2-Chlorotoluene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
2-Hexanone	ND		50.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
4-Chlorotoluene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Acetone	ND		50.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Benzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromochloromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromodichloromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromoform	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Bromomethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Carbon disulfide	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Carbon tetrachloride	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chlorobenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chlorodibromomethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chloroethane	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chloroform	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Chloromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Dibromomethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Dichlorodifluoromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Ethylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Hexachlorobutadiene	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Isopropylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Methyl tert-butyl ether	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Methylene Chloride	ND		10.0		ug/Kg		03/23/13 20:21	03/28/13 13:05	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 03/21/13 00:01
Date Received: 03/23/13 08:00

Lab Sample ID: 490-22586-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
n-Butylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
N-Propylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
p-Isopropyltoluene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
sec-Butylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Styrene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
tert-Butylbenzene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Tetrachloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Toluene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Trichloroethene	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Trichlorofluoromethane	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Vinyl chloride	ND		2.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1
Xylenes, Total	ND		5.00		ug/Kg		03/23/13 20:21	03/28/13 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:05*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:05*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:05*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 20:21*	*03/28/13 13:05*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/28/13 11:31	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/28/13 11:31	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
2-Hexanone	ND		50.0		ug/Kg			03/28/13 11:31	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/28/13 11:31	1
Acetone	ND		50.0		ug/Kg			03/28/13 11:31	1
Benzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromochloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromodichloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromoform	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Carbon disulfide	ND		5.00		ug/Kg			03/28/13 11:31	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/28/13 11:31	1
Chlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Chloroethane	ND		5.00		ug/Kg			03/28/13 11:31	1
Chloroform	ND		2.00		ug/Kg			03/28/13 11:31	1
Chloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
Dibromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Ethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/28/13 11:31	1
Isopropylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/28/13 11:31	1

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

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		10.0		ug/Kg			03/28/13 11:31	1
Naphthalene	ND		5.00		ug/Kg			03/28/13 11:31	1
n-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
N-Propylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Styrene	ND		2.00		ug/Kg			03/28/13 11:31	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Tetrachloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
Toluene	ND		2.00		ug/Kg			03/28/13 11:31	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
Trichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Vinyl chloride	ND		2.00		ug/Kg			03/28/13 11:31	1
Xylenes, Total	ND		5.00		ug/Kg			03/28/13 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/28/13 11:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*03/28/13 11:31*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/28/13 11:31*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/28/13 11:31*	*1*

Lab Sample ID: MB 490-68361/7
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/28/13 12:03	1
1,1-Dichloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,1-Dichloroethene	ND		100		ug/Kg			03/28/13 12:03	1
1,1-Dichloropropene	ND		100		ug/Kg			03/28/13 12:03	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/28/13 12:03	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/28/13 12:03	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/28/13 12:03	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,2-Dichloroethane	ND		100		ug/Kg			03/28/13 12:03	1
1,2-Dichloropropane	ND		100		ug/Kg			03/28/13 12:03	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
1,3-Dichloropropane	ND		100		ug/Kg			03/28/13 12:03	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1

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

Lab Sample ID: MB 490-68361/7
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		100		ug/Kg			03/28/13 12:03	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/28/13 12:03	1
2-Chlorotoluene	ND		100		ug/Kg			03/28/13 12:03	1
2-Hexanone	ND		2500		ug/Kg			03/28/13 12:03	1
4-Chlorotoluene	ND		100		ug/Kg			03/28/13 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/28/13 12:03	1
Acetone	ND		2500		ug/Kg			03/28/13 12:03	1
Benzene	ND		100		ug/Kg			03/28/13 12:03	1
Bromobenzene	ND		100		ug/Kg			03/28/13 12:03	1
Bromochloromethane	ND		100		ug/Kg			03/28/13 12:03	1
Bromodichloromethane	ND		100		ug/Kg			03/28/13 12:03	1
Bromoform	ND		100		ug/Kg			03/28/13 12:03	1
Bromomethane	ND		100		ug/Kg			03/28/13 12:03	1
Carbon disulfide	ND		250		ug/Kg			03/28/13 12:03	1
Carbon tetrachloride	ND		100		ug/Kg			03/28/13 12:03	1
Chlorobenzene	ND		100		ug/Kg			03/28/13 12:03	1
Chlorodibromomethane	ND		100		ug/Kg			03/28/13 12:03	1
Chloroethane	ND		250		ug/Kg			03/28/13 12:03	1
Chloroform	ND		100		ug/Kg			03/28/13 12:03	1
Chloromethane	ND		100		ug/Kg			03/28/13 12:03	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/28/13 12:03	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/28/13 12:03	1
Dibromomethane	ND		100		ug/Kg			03/28/13 12:03	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/28/13 12:03	1
Ethylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
Hexachlorobutadiene	ND		250		ug/Kg			03/28/13 12:03	1
Isopropylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/28/13 12:03	1
Methylene Chloride	ND		500		ug/Kg			03/28/13 12:03	1
Naphthalene	ND		250		ug/Kg			03/28/13 12:03	1
n-Butylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
N-Propylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
p-Isopropyltoluene	ND		100		ug/Kg			03/28/13 12:03	1
sec-Butylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
Styrene	ND		100		ug/Kg			03/28/13 12:03	1
tert-Butylbenzene	ND		100		ug/Kg			03/28/13 12:03	1
Tetrachloroethene	ND		100		ug/Kg			03/28/13 12:03	1
Toluene	ND		100		ug/Kg			03/28/13 12:03	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/28/13 12:03	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/28/13 12:03	1
Trichloroethene	ND		100		ug/Kg			03/28/13 12:03	1
Trichlorofluoromethane	ND		100		ug/Kg			03/28/13 12:03	1
Vinyl chloride	ND		100		ug/Kg			03/28/13 12:03	1
Xylenes, Total	ND		250		ug/Kg			03/28/13 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/28/13 12:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/28/13 12:03*	*1*

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

Lab Sample ID: MB 490-68361/7
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/28/13 12:03*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/28/13 12:03*	*1*

Lab Sample ID: LCS 490-68361/3
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.22		ug/Kg		88	80 - 136
1,1,1-Trichloroethane	50.0	51.64		ug/Kg		103	72 - 140
1,1,2,2-Tetrachloroethane	50.0	42.60		ug/Kg		85	66 - 134
1,1,2-Trichloroethane	50.0	45.35		ug/Kg		91	78 - 128
1,1-Dichloroethane	50.0	49.91		ug/Kg		100	75 - 124
1,1-Dichloroethene	50.0	58.24		ug/Kg		116	75 - 131
1,1-Dichloropropene	50.0	50.75		ug/Kg		101	79 - 127
1,2,3-Trichlorobenzene	50.0	51.83		ug/Kg		104	70 - 150
1,2,3-Trichloropropane	50.0	40.65		ug/Kg		81	65 - 139
1,2,4-Trichlorobenzene	50.0	53.04		ug/Kg		106	62 - 150
1,2,4-Trimethylbenzene	50.0	40.70		ug/Kg		81	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	46.52		ug/Kg		93	49 - 142
1,2-Dibromoethane (EDB)	50.0	48.85		ug/Kg		98	80 - 135
1,2-Dichlorobenzene	50.0	43.58		ug/Kg		87	80 - 134
1,2-Dichloroethane	50.0	51.75		ug/Kg		103	65 - 134
1,2-Dichloropropane	50.0	45.52		ug/Kg		91	69 - 120
1,3,5-Trimethylbenzene	50.0	41.09		ug/Kg		82	78 - 138
1,3-Dichlorobenzene	50.0	43.99		ug/Kg		88	79 - 137
1,3-Dichloropropane	50.0	44.27		ug/Kg		89	78 - 126
1,4-Dichlorobenzene	50.0	43.93		ug/Kg		88	77 - 139
2,2-Dichloropropane	50.0	46.94		ug/Kg		94	68 - 145
2-Butanone (MEK)	250	287.7		ug/Kg		115	61 - 132
2-Chlorotoluene	50.0	39.84		ug/Kg		80	78 - 132
2-Hexanone	250	235.9		ug/Kg		94	57 - 148
4-Chlorotoluene	50.0	41.00		ug/Kg		82	77 - 138
4-Methyl-2-pentanone (MIBK)	250	250.5		ug/Kg		100	59 - 138
Acetone	250	258.7		ug/Kg		103	51 - 149
Benzene	50.0	49.29		ug/Kg		99	75 - 127
Bromobenzene	50.0	39.83		ug/Kg		80	75 - 130
Bromochloromethane	50.0	54.66		ug/Kg		109	70 - 132
Bromodichloromethane	50.0	49.55		ug/Kg		99	68 - 135
Bromoform	50.0	42.04		ug/Kg		84	36 - 150
Bromomethane	50.0	60.16		ug/Kg		120	43 - 142
Carbon disulfide	50.0	42.54		ug/Kg		85	74 - 135
Carbon tetrachloride	50.0	49.53		ug/Kg		99	70 - 141
Chlorobenzene	50.0	45.10		ug/Kg		90	84 - 125
Chlorodibromomethane	50.0	44.65		ug/Kg		89	66 - 134
Chloroethane	50.0	50.71		ug/Kg		101	53 - 144
Chloroform	50.0	49.66		ug/Kg		99	76 - 130
Chloromethane	50.0	38.96		ug/Kg		78	23 - 150

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

Lab Sample ID: LCS 490-68361/3
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	47.72		ug/Kg		95	75 - 125
cis-1,3-Dichloropropene	50.0	42.88		ug/Kg		86	73 - 148
Dibromomethane	50.0	52.46		ug/Kg		105	71 - 130
Dichlorodifluoromethane	50.0	53.24		ug/Kg		106	12 - 144
Ethylbenzene	50.0	43.96		ug/Kg		88	80 - 134
Hexachlorobutadiene	50.0	48.36		ug/Kg		97	65 - 148
Isopropylbenzene	50.0	44.63		ug/Kg		89	80 - 150
Methyl tert-butyl ether	50.0	49.23		ug/Kg		98	70 - 136
Methylene Chloride	50.0	52.55		ug/Kg		105	68 - 144
Naphthalene	50.0	49.34		ug/Kg		99	69 - 150
n-Butylbenzene	50.0	43.25		ug/Kg		86	72 - 152
N-Propylbenzene	50.0	40.37		ug/Kg		81	75 - 137
p-Isopropyltoluene	50.0	42.02		ug/Kg		84	77 - 141
sec-Butylbenzene	50.0	41.61		ug/Kg		83	79 - 141
Styrene	50.0	44.17		ug/Kg		88	82 - 137
tert-Butylbenzene	50.0	41.57		ug/Kg		83	80 - 132
Tetrachloroethene	50.0	50.92		ug/Kg		102	78 - 140
Toluene	50.0	47.49		ug/Kg		95	80 - 132
trans-1,2-Dichloroethene	50.0	52.04		ug/Kg		104	76 - 128
trans-1,3-Dichloropropene	50.0	39.41		ug/Kg		79	62 - 139
Trichloroethene	50.0	53.85		ug/Kg		108	77 - 127
Trichlorofluoromethane	50.0	51.59		ug/Kg		103	50 - 140
Vinyl chloride	50.0	47.44		ug/Kg		95	47 - 136
Xylenes, Total	150	131.4		ug/Kg		88	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	47.65		ug/Kg		95	80 - 136	7	50
1,1,1-Trichloroethane	50.0	55.32		ug/Kg		111	72 - 140	7	50
1,1,2,2-Tetrachloroethane	50.0	43.17		ug/Kg		86	66 - 134	1	50
1,1,2-Trichloroethane	50.0	46.81		ug/Kg		94	78 - 128	3	50
1,1-Dichloroethane	50.0	53.69		ug/Kg		107	75 - 124	7	50
1,1-Dichloroethene	50.0	63.66		ug/Kg		127	75 - 131	9	50
1,1-Dichloropropene	50.0	54.43		ug/Kg		109	79 - 127	7	50
1,2,3-Trichlorobenzene	50.0	53.81		ug/Kg		108	70 - 150	4	50
1,2,3-Trichloropropane	50.0	41.32		ug/Kg		83	65 - 139	2	50
1,2,4-Trichlorobenzene	50.0	54.72		ug/Kg		109	62 - 150	3	50
1,2,4-Trimethylbenzene	50.0	44.23		ug/Kg		88	77 - 139	8	50
1,2-Dibromo-3-Chloropropane	50.0	46.78		ug/Kg		94	49 - 142	1	50

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

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	50.0	50.32		ug/Kg		101	80 - 135	3	50
1,2-Dichlorobenzene	50.0	46.73		ug/Kg		93	80 - 134	7	50
1,2-Dichloroethane	50.0	52.65		ug/Kg		105	65 - 134	2	50
1,2-Dichloropropane	50.0	47.86		ug/Kg		96	69 - 120	5	50
1,3,5-Trimethylbenzene	50.0	44.58		ug/Kg		89	78 - 138	8	50
1,3-Dichlorobenzene	50.0	47.30		ug/Kg		95	79 - 137	7	50
1,3-Dichloropropane	50.0	46.06		ug/Kg		92	78 - 126	4	42
1,4-Dichlorobenzene	50.0	46.48		ug/Kg		93	77 - 139	6	50
2,2-Dichloropropane	50.0	49.83		ug/Kg		100	68 - 145	6	50
2-Butanone (MEK)	250	302.0		ug/Kg		121	61 - 132	5	50
2-Chlorotoluene	50.0	43.49		ug/Kg		87	78 - 132	9	50
2-Hexanone	250	244.4		ug/Kg		98	57 - 148	4	50
4-Chlorotoluene	50.0	44.67		ug/Kg		89	77 - 138	9	50
4-Methyl-2-pentanone (MIBK)	250	255.5		ug/Kg		102	59 - 138	2	50
Acetone	250	270.1		ug/Kg		108	51 - 149	4	50
Benzene	50.0	53.01		ug/Kg		106	75 - 127	7	50
Bromobenzene	50.0	41.96		ug/Kg		84	75 - 130	5	50
Bromochloromethane	50.0	56.72		ug/Kg		113	70 - 132	4	50
Bromodichloromethane	50.0	51.33		ug/Kg		103	68 - 135	4	50
Bromoform	50.0	41.68		ug/Kg		83	36 - 150	1	50
Bromomethane	50.0	67.02		ug/Kg		134	43 - 142	11	50
Carbon disulfide	50.0	45.66		ug/Kg		91	74 - 135	7	50
Carbon tetrachloride	50.0	53.16		ug/Kg		106	70 - 141	7	50
Chlorobenzene	50.0	48.89		ug/Kg		98	84 - 125	8	50
Chlorodibromomethane	50.0	46.12		ug/Kg		92	66 - 134	3	50
Chloroethane	50.0	55.39		ug/Kg		111	53 - 144	9	50
Chloroform	50.0	53.08		ug/Kg		106	76 - 130	7	49
Chloromethane	50.0	41.20		ug/Kg		82	23 - 150	6	50
cis-1,2-Dichloroethene	50.0	50.90		ug/Kg		102	75 - 125	6	50
cis-1,3-Dichloropropene	50.0	45.73		ug/Kg		91	73 - 148	6	50
Dibromomethane	50.0	52.81		ug/Kg		106	71 - 130	1	50
Dichlorodifluoromethane	50.0	56.37		ug/Kg		113	12 - 144	6	50
Ethylbenzene	50.0	48.15		ug/Kg		96	80 - 134	9	50
Hexachlorobutadiene	50.0	51.82		ug/Kg		104	65 - 148	7	50
Isopropylbenzene	50.0	48.48		ug/Kg		97	80 - 150	8	50
Methyl tert-butyl ether	50.0	47.79		ug/Kg		96	70 - 136	3	50
Methylene Chloride	50.0	55.23		ug/Kg		110	68 - 144	5	50
Naphthalene	50.0	49.44		ug/Kg		99	69 - 150	0	50
n-Butylbenzene	50.0	46.24		ug/Kg		92	72 - 152	7	50
N-Propylbenzene	50.0	44.12		ug/Kg		88	75 - 137	9	50
p-Isopropyltoluene	50.0	45.06		ug/Kg		90	77 - 141	7	50
sec-Butylbenzene	50.0	45.39		ug/Kg		91	79 - 141	9	50
Styrene	50.0	48.16		ug/Kg		96	82 - 137	9	50
tert-Butylbenzene	50.0	45.07		ug/Kg		90	80 - 132	8	50
Tetrachloroethene	50.0	55.64		ug/Kg		111	78 - 140	9	50
Toluene	50.0	48.53		ug/Kg		97	80 - 132	2	50
trans-1,2-Dichloroethene	50.0	55.98		ug/Kg		112	76 - 128	7	50
trans-1,3-Dichloropropene	50.0	40.40		ug/Kg		81	62 - 139	2	50

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

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			50.0	57.46		ug/Kg		115	77 - 127	6	50
Trichlorofluoromethane			50.0	53.32		ug/Kg		107	50 - 140	3	50
Vinyl chloride			50.0	50.45		ug/Kg		101	47 - 136	6	50
Xylenes, Total			150	143.3		ug/Kg		96	80 - 137	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 490-68718/6
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/29/13 12:44	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/29/13 12:44	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
2-Hexanone	ND		50.0		ug/Kg			03/29/13 12:44	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/29/13 12:44	1
Acetone	ND		50.0		ug/Kg			03/29/13 12:44	1
Benzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromochloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromodichloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromoform	ND		2.00		ug/Kg			03/29/13 12:44	1

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

Lab Sample ID: MB 490-68718/6
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Carbon disulfide	ND		5.00		ug/Kg			03/29/13 12:44	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/29/13 12:44	1
Chlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Chloroethane	ND		5.00		ug/Kg			03/29/13 12:44	1
Chloroform	ND		2.00		ug/Kg			03/29/13 12:44	1
Chloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
Dibromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Ethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/29/13 12:44	1
Isopropylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/29/13 12:44	1
Methylene Chloride	ND		10.0		ug/Kg			03/29/13 12:44	1
Naphthalene	ND		5.00		ug/Kg			03/29/13 12:44	1
n-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
N-Propylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Styrene	ND		2.00		ug/Kg			03/29/13 12:44	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Tetrachloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
Toluene	ND		2.00		ug/Kg			03/29/13 12:44	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
Trichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Vinyl chloride	ND		2.00		ug/Kg			03/29/13 12:44	1
Xylenes, Total	ND		5.00		ug/Kg			03/29/13 12:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/29/13 12:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/29/13 12:44*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/29/13 12:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/29/13 12:44*	*1*

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.73		ug/Kg		89	80 - 136
1,1,1-Trichloroethane	50.0	54.11		ug/Kg		108	72 - 140
1,1,2,2-Tetrachloroethane	50.0	41.72		ug/Kg		83	66 - 134
1,1,2-Trichloroethane	50.0	45.37		ug/Kg		91	78 - 128

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

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	53.14		ug/Kg		106	75 - 124
1,1-Dichloroethene	50.0	62.47		ug/Kg		125	75 - 131
1,1-Dichloropropene	50.0	54.10		ug/Kg		108	79 - 127
1,2,3-Trichlorobenzene	50.0	51.15		ug/Kg		102	70 - 150
1,2,3-Trichloropropane	50.0	40.22		ug/Kg		80	65 - 139
1,2,4-Trichlorobenzene	50.0	52.79		ug/Kg		106	62 - 150
1,2,4-Trimethylbenzene	50.0	42.74		ug/Kg		85	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	45.27		ug/Kg		91	49 - 142
1,2-Dibromoethane (EDB)	50.0	47.91		ug/Kg		96	80 - 135
1,2-Dichlorobenzene	50.0	45.00		ug/Kg		90	80 - 134
1,2-Dichloroethane	50.0	52.13		ug/Kg		104	65 - 134
1,2-Dichloropropane	50.0	46.73		ug/Kg		93	69 - 120
1,3,5-Trimethylbenzene	50.0	43.24		ug/Kg		86	78 - 138
1,3-Dichlorobenzene	50.0	45.70		ug/Kg		91	79 - 137
1,3-Dichloropropane	50.0	44.45		ug/Kg		89	78 - 126
1,4-Dichlorobenzene	50.0	45.66		ug/Kg		91	77 - 139
2,2-Dichloropropane	50.0	49.36		ug/Kg		99	68 - 145
2-Butanone (MEK)	250	318.6		ug/Kg		127	61 - 132
2-Chlorotoluene	50.0	41.93		ug/Kg		84	78 - 132
2-Hexanone	250	248.9		ug/Kg		100	57 - 148
4-Chlorotoluene	50.0	43.04		ug/Kg		86	77 - 138
4-Methyl-2-pentanone (MIBK)	250	253.8		ug/Kg		102	59 - 138
Acetone	250	288.8		ug/Kg		116	51 - 149
Benzene	50.0	52.67		ug/Kg		105	75 - 127
Bromobenzene	50.0	41.12		ug/Kg		82	75 - 130
Bromochloromethane	50.0	55.13		ug/Kg		110	70 - 132
Bromodichloromethane	50.0	48.74		ug/Kg		97	68 - 135
Bromoform	50.0	38.81		ug/Kg		78	36 - 150
Bromomethane	50.0	66.66		ug/Kg		133	43 - 142
Carbon disulfide	50.0	45.79		ug/Kg		92	74 - 135
Carbon tetrachloride	50.0	51.40		ug/Kg		103	70 - 141
Chlorobenzene	50.0	47.64		ug/Kg		95	84 - 125
Chlorodibromomethane	50.0	42.45		ug/Kg		85	66 - 134
Chloroethane	50.0	58.54		ug/Kg		117	53 - 144
Chloroform	50.0	52.28		ug/Kg		105	76 - 130
Chloromethane	50.0	44.69		ug/Kg		89	23 - 150
cis-1,2-Dichloroethene	50.0	50.59		ug/Kg		101	75 - 125
cis-1,3-Dichloropropene	50.0	44.04		ug/Kg		88	73 - 148
Dibromomethane	50.0	50.72		ug/Kg		101	71 - 130
Dichlorodifluoromethane	50.0	59.44		ug/Kg		119	12 - 144
Ethylbenzene	50.0	46.60		ug/Kg		93	80 - 134
Hexachlorobutadiene	50.0	48.04		ug/Kg		96	65 - 148
Isopropylbenzene	50.0	46.76		ug/Kg		94	80 - 150
Methyl tert-butyl ether	50.0	48.46		ug/Kg		97	70 - 136
Methylene Chloride	50.0	55.47		ug/Kg		111	68 - 144
Naphthalene	50.0	47.53		ug/Kg		95	69 - 150
n-Butylbenzene	50.0	44.52		ug/Kg		89	72 - 152
N-Propylbenzene	50.0	42.97		ug/Kg		86	75 - 137

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

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	50.0	43.11		ug/Kg		86	77 - 141
sec-Butylbenzene	50.0	43.67		ug/Kg		87	79 - 141
Styrene	50.0	47.09		ug/Kg		94	82 - 137
tert-Butylbenzene	50.0	42.97		ug/Kg		86	80 - 132
Tetrachloroethene	50.0	54.15		ug/Kg		108	78 - 140
Toluene	50.0	50.15		ug/Kg		100	80 - 132
trans-1,2-Dichloroethene	50.0	56.17		ug/Kg		112	76 - 128
trans-1,3-Dichloropropene	50.0	39.46		ug/Kg		79	62 - 139
Trichloroethene	50.0	57.35		ug/Kg		115	77 - 127
Trichlorofluoromethane	50.0	57.65		ug/Kg		115	50 - 140
Vinyl chloride	50.0	54.53		ug/Kg		109	47 - 136
Xylenes, Total	150	138.7		ug/Kg		92	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	45.89		ug/Kg		92	80 - 136	3	50
1,1,1-Trichloroethane	50.0	53.67		ug/Kg		107	72 - 140	1	50
1,1,2,2-Tetrachloroethane	50.0	44.68		ug/Kg		89	66 - 134	7	50
1,1,2-Trichloroethane	50.0	47.13		ug/Kg		94	78 - 128	4	50
1,1-Dichloroethane	50.0	52.20		ug/Kg		104	75 - 124	2	50
1,1-Dichloroethene	50.0	61.47		ug/Kg		123	75 - 131	2	50
1,1-Dichloropropene	50.0	53.09		ug/Kg		106	79 - 127	2	50
1,2,3-Trichlorobenzene	50.0	53.04		ug/Kg		106	70 - 150	4	50
1,2,3-Trichloropropane	50.0	42.99		ug/Kg		86	65 - 139	7	50
1,2,4-Trichlorobenzene	50.0	53.73		ug/Kg		107	62 - 150	2	50
1,2,4-Trimethylbenzene	50.0	42.32		ug/Kg		85	77 - 139	1	50
1,2-Dibromo-3-Chloropropane	50.0	48.31		ug/Kg		97	49 - 142	6	50
1,2-Dibromoethane (EDB)	50.0	51.89		ug/Kg		104	80 - 135	8	50
1,2-Dichlorobenzene	50.0	45.20		ug/Kg		90	80 - 134	0	50
1,2-Dichloroethane	50.0	53.89		ug/Kg		108	65 - 134	3	50
1,2-Dichloropropane	50.0	47.55		ug/Kg		95	69 - 120	2	50
1,3,5-Trimethylbenzene	50.0	42.48		ug/Kg		85	78 - 138	2	50
1,3-Dichlorobenzene	50.0	45.44		ug/Kg		91	79 - 137	1	50
1,3-Dichloropropane	50.0	46.51		ug/Kg		93	78 - 126	5	42
1,4-Dichlorobenzene	50.0	45.44		ug/Kg		91	77 - 139	0	50
2,2-Dichloropropane	50.0	49.15		ug/Kg		98	68 - 145	0	50
2-Butanone (MEK)	250	310.0		ug/Kg		124	61 - 132	3	50
2-Chlorotoluene	50.0	40.85		ug/Kg		82	78 - 132	3	50
2-Hexanone	250	256.6		ug/Kg		103	57 - 148	3	50

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

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorotoluene			50.0	41.66		ug/Kg		83	77 - 138	3	50
4-Methyl-2-pentanone (MIBK)			250	271.6		ug/Kg		109	59 - 138	7	50
Acetone			250	282.4		ug/Kg		113	51 - 149	2	50
Benzene			50.0	51.82		ug/Kg		104	75 - 127	2	50
Bromobenzene			50.0	41.59		ug/Kg		83	75 - 130	1	50
Bromochloromethane			50.0	57.10		ug/Kg		114	70 - 132	4	50
Bromodichloromethane			50.0	50.71		ug/Kg		101	68 - 135	4	50
Bromoform			50.0	43.15		ug/Kg		86	36 - 150	11	50
Bromomethane			50.0	65.84		ug/Kg		132	43 - 142	1	50
Carbon disulfide			50.0	43.40		ug/Kg		87	74 - 135	5	50
Carbon tetrachloride			50.0	51.06		ug/Kg		102	70 - 141	1	50
Chlorobenzene			50.0	46.72		ug/Kg		93	84 - 125	2	50
Chlorodibromomethane			50.0	45.64		ug/Kg		91	66 - 134	7	50
Chloroethane			50.0	55.16		ug/Kg		110	53 - 144	6	50
Chloroform			50.0	51.61		ug/Kg		103	76 - 130	1	49
Chloromethane			50.0	40.55		ug/Kg		81	23 - 150	10	50
cis-1,2-Dichloroethene			50.0	49.45		ug/Kg		99	75 - 125	2	50
cis-1,3-Dichloropropene			50.0	44.70		ug/Kg		89	73 - 148	1	50
Dibromomethane			50.0	54.71		ug/Kg		109	71 - 130	8	50
Dichlorodifluoromethane			50.0	55.10		ug/Kg		110	12 - 144	8	50
Ethylbenzene			50.0	45.84		ug/Kg		92	80 - 134	2	50
Hexachlorobutadiene			50.0	49.34		ug/Kg		99	65 - 148	3	50
Isopropylbenzene			50.0	46.26		ug/Kg		93	80 - 150	1	50
Methyl tert-butyl ether			50.0	52.97		ug/Kg		106	70 - 136	9	50
Methylene Chloride			50.0	54.90		ug/Kg		110	68 - 144	1	50
Naphthalene			50.0	51.30		ug/Kg		103	69 - 150	8	50
n-Butylbenzene			50.0	44.42		ug/Kg		89	72 - 152	0	50
N-Propylbenzene			50.0	41.94		ug/Kg		84	75 - 137	2	50
p-Isopropyltoluene			50.0	42.96		ug/Kg		86	77 - 141	0	50
sec-Butylbenzene			50.0	43.06		ug/Kg		86	79 - 141	1	50
Styrene			50.0	46.27		ug/Kg		93	82 - 137	2	50
tert-Butylbenzene			50.0	43.30		ug/Kg		87	80 - 132	1	50
Tetrachloroethene			50.0	53.36		ug/Kg		107	78 - 140	1	50
Toluene			50.0	48.19		ug/Kg		96	80 - 132	4	50
trans-1,2-Dichloroethene			50.0	54.26		ug/Kg		109	76 - 128	3	50
trans-1,3-Dichloropropene			50.0	41.33		ug/Kg		83	62 - 139	5	50
Trichloroethene			50.0	56.29		ug/Kg		113	77 - 127	2	50
Trichlorofluoromethane			50.0	53.42		ug/Kg		107	50 - 140	8	50
Vinyl chloride			50.0	50.88		ug/Kg		102	47 - 136	7	50
Xylenes, Total			150	137.6		ug/Kg		92	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

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

Lab Sample ID: MB 490-68917/9
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/30/13 01:29	1
1,1-Dichloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,1-Dichloroethene	ND		100		ug/Kg			03/30/13 01:29	1
1,1-Dichloropropene	ND		100		ug/Kg			03/30/13 01:29	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/30/13 01:29	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/30/13 01:29	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/30/13 01:29	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,2-Dichloroethane	ND		100		ug/Kg			03/30/13 01:29	1
1,2-Dichloropropane	ND		100		ug/Kg			03/30/13 01:29	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
1,3-Dichloropropane	ND		100		ug/Kg			03/30/13 01:29	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
2,2-Dichloropropane	ND		100		ug/Kg			03/30/13 01:29	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/30/13 01:29	1
2-Chlorotoluene	ND		100		ug/Kg			03/30/13 01:29	1
2-Hexanone	ND		2500		ug/Kg			03/30/13 01:29	1
4-Chlorotoluene	ND		100		ug/Kg			03/30/13 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/30/13 01:29	1
Acetone	ND		2500		ug/Kg			03/30/13 01:29	1
Benzene	ND		100		ug/Kg			03/30/13 01:29	1
Bromobenzene	ND		100		ug/Kg			03/30/13 01:29	1
Bromochloromethane	ND		100		ug/Kg			03/30/13 01:29	1
Bromodichloromethane	ND		100		ug/Kg			03/30/13 01:29	1
Bromoform	ND		100		ug/Kg			03/30/13 01:29	1
Bromomethane	ND		100		ug/Kg			03/30/13 01:29	1
Carbon disulfide	ND		250		ug/Kg			03/30/13 01:29	1
Carbon tetrachloride	ND		100		ug/Kg			03/30/13 01:29	1
Chlorobenzene	ND		100		ug/Kg			03/30/13 01:29	1
Chlorodibromomethane	ND		100		ug/Kg			03/30/13 01:29	1
Chloroethane	ND		250		ug/Kg			03/30/13 01:29	1
Chloroform	ND		100		ug/Kg			03/30/13 01:29	1
Chloromethane	ND		100		ug/Kg			03/30/13 01:29	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/30/13 01:29	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/30/13 01:29	1
Dibromomethane	ND		100		ug/Kg			03/30/13 01:29	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/30/13 01:29	1
Ethylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
Hexachlorobutadiene	ND		250		ug/Kg			03/30/13 01:29	1
Isopropylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/30/13 01:29	1

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

Lab Sample ID: MB 490-68917/9
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		500		ug/Kg			03/30/13 01:29	1
Naphthalene	ND		250		ug/Kg			03/30/13 01:29	1
n-Butylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
N-Propylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
p-Isopropyltoluene	ND		100		ug/Kg			03/30/13 01:29	1
sec-Butylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
Styrene	ND		100		ug/Kg			03/30/13 01:29	1
tert-Butylbenzene	ND		100		ug/Kg			03/30/13 01:29	1
Tetrachloroethene	ND		100		ug/Kg			03/30/13 01:29	1
Toluene	ND		100		ug/Kg			03/30/13 01:29	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/30/13 01:29	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/30/13 01:29	1
Trichloroethene	ND		100		ug/Kg			03/30/13 01:29	1
Trichlorofluoromethane	ND		100		ug/Kg			03/30/13 01:29	1
Vinyl chloride	ND		100		ug/Kg			03/30/13 01:29	1
Xylenes, Total	ND		250		ug/Kg			03/30/13 01:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/30/13 01:29*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*03/30/13 01:29*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*03/30/13 01:29*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*03/30/13 01:29*	*1*

Lab Sample ID: LCS 490-68917/5
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	57.87		ug/Kg		116	80 - 136
1,1,1-Trichloroethane	50.0	122.4	*	ug/Kg		245	72 - 140
1,1,2,2-Tetrachloroethane	50.0	50.38		ug/Kg		101	66 - 134
1,1,2-Trichloroethane	50.0	54.56		ug/Kg		109	78 - 128
1,1-Dichloroethane	50.0	122.2	*	ug/Kg		244	75 - 124
1,1-Dichloroethene	50.0	127.4	*	ug/Kg		255	75 - 131
1,1-Dichloropropene	50.0	110.1	*	ug/Kg		220	79 - 127
1,2,3-Trichlorobenzene	50.0	42.12		ug/Kg		84	70 - 150
1,2,3-Trichloropropane	50.0	49.06		ug/Kg		98	65 - 139
1,2,4-Trichlorobenzene	50.0	39.90		ug/Kg		80	62 - 150
1,2,4-Trimethylbenzene	50.0	43.02		ug/Kg		86	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	47.26		ug/Kg		95	49 - 142
1,2-Dibromoethane (EDB)	50.0	56.32		ug/Kg		113	80 - 135
1,2-Dichlorobenzene	50.0	45.09		ug/Kg		90	80 - 134
1,2-Dichloroethane	50.0	124.1	*	ug/Kg		248	65 - 134
1,2-Dichloropropane	50.0	113.6	*	ug/Kg		227	69 - 120
1,3,5-Trimethylbenzene	50.0	43.81		ug/Kg		88	78 - 138
1,3-Dichlorobenzene	50.0	43.74		ug/Kg		87	79 - 137
1,3-Dichloropropane	50.0	55.05		ug/Kg		110	78 - 126
1,4-Dichlorobenzene	50.0	43.23		ug/Kg		86	77 - 139

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

Lab Sample ID: LCS 490-68917/5
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	114.9	*	ug/Kg		230	68 - 145
2-Butanone (MEK)	250	541.1	*	ug/Kg		216	61 - 132
2-Chlorotoluene	50.0	44.82		ug/Kg		90	78 - 132
2-Hexanone	250	275.2		ug/Kg		110	57 - 148
4-Chlorotoluene	50.0	46.11		ug/Kg		92	77 - 138
4-Methyl-2-pentanone (MIBK)	250	277.0		ug/Kg		111	59 - 138
Acetone	250	612.1	*	ug/Kg		245	51 - 149
Benzene	50.0	112.7	*	ug/Kg		225	75 - 127
Bromobenzene	50.0	46.14		ug/Kg		92	75 - 130
Bromochloromethane	50.0	120.9	*	ug/Kg		242	70 - 132
Bromodichloromethane	50.0	131.7	*	ug/Kg		263	68 - 135
Bromoform	50.0	55.96		ug/Kg		112	36 - 150
Bromomethane	50.0	138.6	E *	ug/Kg		277	43 - 142
Carbon disulfide	50.0	108.3	*	ug/Kg		217	74 - 135
Carbon tetrachloride	50.0	123.9	*	ug/Kg		248	70 - 141
Chlorobenzene	50.0	52.15		ug/Kg		104	84 - 125
Chlorodibromomethane	50.0	58.71		ug/Kg		117	66 - 134
Chloroethane	50.0	127.3	*	ug/Kg		255	53 - 144
Chloroform	50.0	117.5	*	ug/Kg		235	76 - 130
Chloromethane	50.0	95.58	*	ug/Kg		191	23 - 150
cis-1,2-Dichloroethene	50.0	113.2	*	ug/Kg		226	75 - 125
cis-1,3-Dichloropropene	50.0	55.63		ug/Kg		111	73 - 148
Dibromomethane	50.0	120.7	*	ug/Kg		241	71 - 130
Dichlorodifluoromethane	50.0	118.2	*	ug/Kg		236	12 - 144
Ethylbenzene	50.0	51.76		ug/Kg		104	80 - 134
Hexachlorobutadiene	50.0	39.05		ug/Kg		78	65 - 148
Isopropylbenzene	50.0	50.76		ug/Kg		102	80 - 150
Methyl tert-butyl ether	50.0	119.5	*	ug/Kg		239	70 - 136
Methylene Chloride	50.0	119.6	*	ug/Kg		239	68 - 144
Naphthalene	50.0	45.38		ug/Kg		91	69 - 150
n-Butylbenzene	50.0	42.42		ug/Kg		85	72 - 152
N-Propylbenzene	50.0	42.85		ug/Kg		86	75 - 137
p-Isopropyltoluene	50.0	42.08		ug/Kg		84	77 - 141
sec-Butylbenzene	50.0	43.67		ug/Kg		87	79 - 141
Styrene	50.0	54.15		ug/Kg		108	82 - 137
tert-Butylbenzene	50.0	43.72		ug/Kg		87	80 - 132
Tetrachloroethene	50.0	50.72		ug/Kg		101	78 - 140
Toluene	50.0	51.91		ug/Kg		104	80 - 132
trans-1,2-Dichloroethene	50.0	123.8	*	ug/Kg		248	76 - 128
trans-1,3-Dichloropropene	50.0	54.94		ug/Kg		110	62 - 139
Trichloroethene	50.0	60.69		ug/Kg		121	77 - 127
Trichlorofluoromethane	50.0	114.5	*	ug/Kg		229	50 - 140
Vinyl chloride	50.0	114.0	*	ug/Kg		228	47 - 136
Xylenes, Total	150	157.3		ug/Kg		105	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*198*	*X*	*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: LCS 490-68917/5
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*196*	*X*	*70 - 130*
Toluene-d8 (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 490-68917/6
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			50.0	56.64		ug/Kg		113	80 - 136	2	50
1,1,1-Trichloroethane			50.0	65.86	*	ug/Kg		132	72 - 140	60	50
1,1,2,2-Tetrachloroethane			50.0	50.45		ug/Kg		101	66 - 134	0	50
1,1,2-Trichloroethane			50.0	54.95		ug/Kg		110	78 - 128	1	50
1,1-Dichloroethane			50.0	65.61	*	ug/Kg		131	75 - 124	60	50
1,1-Dichloroethene			50.0	69.02	*	ug/Kg		138	75 - 131	59	50
1,1-Dichloropropene			50.0	59.73	*	ug/Kg		119	79 - 127	59	50
1,2,3-Trichlorobenzene			50.0	42.31		ug/Kg		85	70 - 150	0	50
1,2,3-Trichloropropane			50.0	49.07		ug/Kg		98	65 - 139	0	50
1,2,4-Trichlorobenzene			50.0	35.71		ug/Kg		71	62 - 150	11	50
1,2,4-Trimethylbenzene			50.0	42.77		ug/Kg		86	77 - 139	1	50
1,2-Dibromo-3-Chloropropane			50.0	45.11		ug/Kg		90	49 - 142	5	50
1,2-Dibromoethane (EDB)			50.0	56.51		ug/Kg		113	80 - 135	0	50
1,2-Dichlorobenzene			50.0	45.46		ug/Kg		91	80 - 134	1	50
1,2-Dichloroethane			50.0	66.21	*	ug/Kg		132	65 - 134	61	50
1,2-Dichloropropane			50.0	59.87	*	ug/Kg		120	69 - 120	62	50
1,3,5-Trimethylbenzene			50.0	43.57		ug/Kg		87	78 - 138	1	50
1,3-Dichlorobenzene			50.0	43.29		ug/Kg		87	79 - 137	1	50
1,3-Dichloropropane			50.0	55.03		ug/Kg		110	78 - 126	0	42
1,4-Dichlorobenzene			50.0	43.30		ug/Kg		87	77 - 139	0	50
2,2-Dichloropropane			50.0	61.76	*	ug/Kg		124	68 - 145	60	50
2-Butanone (MEK)			250	297.2	*	ug/Kg		119	61 - 132	58	50
2-Chlorotoluene			50.0	44.42		ug/Kg		89	78 - 132	1	50
2-Hexanone			250	274.6		ug/Kg		110	57 - 148	0	50
4-Chlorotoluene			50.0	45.18		ug/Kg		90	77 - 138	2	50
4-Methyl-2-pentanone (MIBK)			250	238.9		ug/Kg		96	59 - 138	15	50
Acetone			250	332.2	*	ug/Kg		133	51 - 149	59	50
Benzene			50.0	60.06	*	ug/Kg		120	75 - 127	61	50
Bromobenzene			50.0	46.72		ug/Kg		93	75 - 130	1	50
Bromochloromethane			50.0	65.06	*	ug/Kg		130	70 - 132	60	50
Bromodichloromethane			50.0	70.05	*	ug/Kg		140	68 - 135	61	50
Bromoform			50.0	56.34		ug/Kg		113	36 - 150	1	50
Bromomethane			50.0	75.72	*	ug/Kg		151	43 - 142	59	50
Carbon disulfide			50.0	57.37	*	ug/Kg		115	74 - 135	61	50
Carbon tetrachloride			50.0	66.89	*	ug/Kg		134	70 - 141	60	50
Chlorobenzene			50.0	52.21		ug/Kg		104	84 - 125	0	50
Chlorodibromomethane			50.0	58.30		ug/Kg		117	66 - 134	1	50
Chloroethane			50.0	65.89	*	ug/Kg		132	53 - 144	64	50
Chloroform			50.0	63.68	*	ug/Kg		127	76 - 130	59	49
Chloromethane			50.0	48.43	*	ug/Kg		97	23 - 150	65	50

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

Lab Sample ID: LCSD 490-68917/6
Matrix: Solid
Analysis Batch: 68917

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			50.0	61.02	*	ug/Kg		122	75 - 125	60	50
cis-1,3-Dichloropropene			50.0	49.06		ug/Kg		98	73 - 148	13	50
Dibromomethane			50.0	64.59	*	ug/Kg		129	71 - 130	61	50
Dichlorodifluoromethane			50.0	55.63	*	ug/Kg		111	12 - 144	72	50
Ethylbenzene			50.0	51.84		ug/Kg		104	80 - 134	0	50
Hexachlorobutadiene			50.0	36.49		ug/Kg		73	65 - 148	7	50
Isopropylbenzene			50.0	50.77		ug/Kg		102	80 - 150	0	50
Methyl tert-butyl ether			50.0	64.35	*	ug/Kg		129	70 - 136	60	50
Methylene Chloride			50.0	64.07	*	ug/Kg		128	68 - 144	60	50
Naphthalene			50.0	44.25		ug/Kg		88	69 - 150	3	50
n-Butylbenzene			50.0	40.74		ug/Kg		81	72 - 152	4	50
N-Propylbenzene			50.0	42.68		ug/Kg		85	75 - 137	0	50
p-Isopropyltoluene			50.0	41.83		ug/Kg		84	77 - 141	1	50
sec-Butylbenzene			50.0	42.44		ug/Kg		85	79 - 141	3	50
Styrene			50.0	54.47		ug/Kg		109	82 - 137	1	50
tert-Butylbenzene			50.0	43.11		ug/Kg		86	80 - 132	1	50
Tetrachloroethene			50.0	50.93		ug/Kg		102	78 - 140	0	50
Toluene			50.0	47.65		ug/Kg		95	80 - 132	9	50
trans-1,2-Dichloroethene			50.0	67.01	*	ug/Kg		134	76 - 128	59	50
trans-1,3-Dichloropropene			50.0	54.08		ug/Kg		108	62 - 139	2	50
Trichloroethene			50.0	58.21		ug/Kg		116	77 - 127	4	50
Trichlorofluoromethane			50.0	61.48	*	ug/Kg		123	50 - 140	60	50
Vinyl chloride			50.0	58.30	*	ug/Kg		117	47 - 136	65	50
Xylenes, Total			150	157.1		ug/Kg		105	80 - 137	0	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*83*		*70 - 130*

GC/MS VOA

Prep Batch: 67344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-4	MW-8 (30-32)	Total/NA	Solid	5035	
490-22586-5	MW-8 (35-37)	Total/NA	Solid	5035	
490-22586-6	MW-8 (40-42)	Total/NA	Solid	5035	
490-22586-7	MW-8 (45-47)	Total/NA	Solid	5035	
490-22586-8	MW-8 (50-52)	Total/NA	Solid	5035	
490-22586-9	MW-8 (55-57)	Total/NA	Solid	5035	
490-22586-11	MW-8 (65-67)	Total/NA	Solid	5035	

Prep Batch: 67345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-1	MW-8 (5-7)	Total/NA	Solid	5035	
490-22586-2	MW-8 (20-22)	Total/NA	Solid	5035	
490-22586-3	MW-8 (25-27)	Total/NA	Solid	5035	
490-22586-5	MW-8 (35-37)	Total/NA	Solid	5035	
490-22586-7	MW-8 (45-47)	Total/NA	Solid	5035	
490-22586-8	MW-8 (50-52)	Total/NA	Solid	5035	
490-22586-9	MW-8 (55-57)	Total/NA	Solid	5035	
490-22586-10	MW-8 (60-62)	Total/NA	Solid	5035	
490-22586-11	MW-8 (65-67)	Total/NA	Solid	5035	
490-22586-12	Trip Blank	Total/NA	Solid	5035	

Analysis Batch: 68361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-1	MW-8 (5-7)	Total/NA	Solid	8260B	67345
490-22586-2	MW-8 (20-22)	Total/NA	Solid	8260B	67345
490-22586-4	MW-8 (30-32)	Total/NA	Solid	8260B	67344
490-22586-4	MW-8 (30-32)	Total/NA	Solid	8260B	67344
490-22586-5	MW-8 (35-37)	Total/NA	Solid	8260B	67345
490-22586-6	MW-8 (40-42)	Total/NA	Solid	8260B	67344
490-22586-6	MW-8 (40-42)	Total/NA	Solid	8260B	67344
490-22586-7	MW-8 (45-47)	Total/NA	Solid	8260B	67345
490-22586-8	MW-8 (50-52)	Total/NA	Solid	8260B	67345
490-22586-9	MW-8 (55-57)	Total/NA	Solid	8260B	67345
490-22586-10	MW-8 (60-62)	Total/NA	Solid	8260B	67345
490-22586-11	MW-8 (65-67)	Total/NA	Solid	8260B	67345
490-22586-12	Trip Blank	Total/NA	Solid	8260B	67345
LCS 490-68361/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68361/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68361/6	Method Blank	Total/NA	Solid	8260B	
MB 490-68361/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-3	MW-8 (25-27)	Total/NA	Solid	8260B	67345
LCS 490-68718/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68718/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68718/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-5	MW-8 (35-37)	Total/NA	Solid	8260B	67344

GC/MS VOA (Continued)

Analysis Batch: 68917 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22586-7	MW-8 (45-47)	Total/NA	Solid	8260B	67344
490-22586-7	MW-8 (45-47)	Total/NA	Solid	8260B	67344
490-22586-8	MW-8 (50-52)	Total/NA	Solid	8260B	67344
490-22586-9	MW-8 (55-57)	Total/NA	Solid	8260B	67344
490-22586-9	MW-8 (55-57)	Total/NA	Solid	8260B	67344
490-22586-11	MW-8 (65-67)	Total/NA	Solid	8260B	67344
LCS 490-68917/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68917/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68917/9	Method Blank	Total/NA	Solid	8260B	

Client Sample ID: MW-8 (5-7)

Lab Sample ID: 490-22586-1

Date Collected: 03/21/13 08:30

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 13:36	KK	TAL NSH

Client Sample ID: MW-8 (20-22)

Lab Sample ID: 490-22586-2

Date Collected: 03/21/13 09:10

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 14:07	KK	TAL NSH

Client Sample ID: MW-8 (25-27)

Lab Sample ID: 490-22586-3

Date Collected: 03/21/13 09:25

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68718	03/29/13 13:46	KK	TAL NSH

Client Sample ID: MW-8 (30-32)

Lab Sample ID: 490-22586-4

Date Collected: 03/21/13 09:37

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 19:20	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		20	68361	03/28/13 19:51	KK	TAL NSH

Client Sample ID: MW-8 (35-37)

Lab Sample ID: 490-22586-5

Date Collected: 03/21/13 09:53

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 15:10	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 01:59	KK	TAL NSH

Client Sample ID: MW-8 (40-42)

Lab Sample ID: 490-22586-6

Date Collected: 03/21/13 10:30

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 18:18	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		20	68361	03/28/13 18:49	KK	TAL NSH

Client Sample ID: MW-8 (45-47)

Lab Sample ID: 490-22586-7

Date Collected: 03/21/13 10:50

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 15:41	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 03:31	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		20	68917	03/30/13 04:02	KK	TAL NSH

Client Sample ID: MW-8 (50-52)

Lab Sample ID: 490-22586-8

Date Collected: 03/21/13 11:10

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 16:13	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 02:30	KK	TAL NSH

Client Sample ID: MW-8 (55-57)

Lab Sample ID: 490-22586-9

Date Collected: 03/21/13 12:20

Matrix: Solid

Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 16:44	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 04:33	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		20	68917	03/30/13 05:03	KK	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-8 (60-62)

Lab Sample ID: 490-22586-10

Date Collected: 03/21/13 12:30
Matrix: Solid
Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 14:39	KK	TAL NSH

Client Sample ID: MW-8 (65-67)

Lab Sample ID: 490-22586-11

Date Collected: 03/21/13 13:15
Matrix: Solid
Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 17:15	KK	TAL NSH
Total/NA	Prep	5035			67344	03/23/13 20:19	ML	TAL NSH
Total/NA	Analysis	8260B		1	68917	03/30/13 03:01	KK	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 490-22586-12

Date Collected: 03/21/13 00:01
Matrix: Solid
Date Received: 03/23/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67345	03/23/13 20:21	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 13:05	KK	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22586-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13 *

Analysis Method	Prep Method	Matrix	Analyte

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT F(

490-22586 Chain of Custody

Cooler Received/Opened On : 03/22/13 @ 0800

Tracking # 1073 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 95610068

1. Temperature of rep. sample or temp blank when opened: 2.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA -Soils

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/4/2013

Client Information	Sampler: Michael K. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 914 694 5711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 1
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days):			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Loc: 490
22586

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
	Preservation Code:									
1	MW-8 (5-7)	3/21/13	0830	G	S			X		
2	MW-8 (20-22)		0910							
3	MW-8 (25-27)		0925							
4	MW-8 (30-32)		0937							
5	MW-8 (35-37)		0953							
6	MW-8 (40-42)		1030							
7	MW-8 (45-47)		1050							
8	MW-8 (50-52)		1110							
9	MW-8 (55-57)		1220							
10	MW-8 (60-62)		1230							
11	MW-8 (65-67)		1315							
12	TRIP BLANK		—							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Michael K. DeFelice	3/21/13 1700	LBG, INC	[signature] 2.9	03-22-13 08:00	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Leggette, Brashears & Graham, Inc.

Job Number: 490-22586-1
SDG Number: 202-06 Hillside Avenue, Hollis, NY

Login Number: 22586
List Number: 1
Creator: Ford, Easton

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-22570-1
TestAmerica SDG: 202-06 Hillside Avenue, Hollis, NY
Client Project/Site: CFI Hollis 70263 / V2114

For:
Leggette, Brashears & Graham, Inc.
110 Corporate Park Drive, Suite 112
White Plains, New York 10604

Attn: Jorma Weber

Sherry M Salomon

Authorized for release by:
4/4/2013 2:25:41 PM

Sherry Salomon
Project Mgmt. Assistant
sherry.salomon@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 66
QC Association 107
Chronicle 110
Method Summary 117
Certification Summary 118
Chain of Custody 119
Receipt Checklists 123

Sample Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-22570-1	MW-10 (2-3)	Solid	03/19/13 07:55	03/22/13 08:00
490-22570-2	MW-10 (3-4)	Solid	03/19/13 08:00	03/22/13 08:00
490-22570-3	MW-10 (5-7)	Solid	03/19/13 08:50	03/22/13 08:00
490-22570-4	MW-10 (10-12)	Solid	03/19/13 09:00	03/22/13 08:00
490-22570-5	MW-10 (15-17)	Solid	03/19/13 09:30	03/22/13 08:00
490-22570-6	MW-10 (20-22)	Solid	03/19/13 09:45	03/22/13 08:00
490-22570-7	MW-10 (25-27)	Solid	03/19/13 10:10	03/22/13 08:00
490-22570-8	MW-10 (30-32)	Solid	03/19/13 10:50	03/22/13 08:00
490-22570-9	MW-10 (35-37)	Solid	03/19/13 11:00	03/22/13 08:00
490-22570-10	MW-10 (40-42)	Solid	03/19/13 11:20	03/22/13 08:00
490-22570-11	MW-10 (45-47)	Solid	03/19/13 11:40	03/22/13 08:00
490-22570-12	MW-10 (50-52)	Solid	03/19/13 12:25	03/22/13 08:00
490-22570-13	MW-10 (55-57)	Solid	03/19/13 13:10	03/22/13 08:00
490-22570-14	MW-10 (60-62)	Solid	03/19/13 13:50	03/22/13 08:00
490-22570-15	MW-10 (65-67)	Solid	03/19/13 14:00	03/22/13 08:00
490-22570-16	MW-10 (70-72)	Solid	03/19/13 14:50	03/22/13 08:00
490-22570-17	MW-9 (5-7)	Solid	03/20/13 08:15	03/22/13 08:00
490-22570-18	MW-9 (10-12)	Solid	03/20/13 08:40	03/22/13 08:00
490-22570-19	MW-9 (15-17)	Solid	03/20/13 08:45	03/22/13 08:00
490-22570-20	MW-9 (20-22)	Solid	03/20/13 09:00	03/22/13 08:00
490-22570-21	MW-9 (25-27)	Solid	03/20/13 09:10	03/22/13 08:00
490-22570-22	MW-9 (30-32)	Solid	03/20/13 10:00	03/22/13 08:00
490-22570-23	MW-9 (35-37)	Solid	03/20/13 10:25	03/22/13 08:00
490-22570-24	MW-9 (40-42)	Solid	03/20/13 10:40	03/22/13 08:00
490-22570-25	MW-9 (45-47)	Solid	03/20/13 10:51	03/22/13 08:00
490-22570-26	MW-9 (50-52)	Solid	03/20/13 11:05	03/22/13 08:00
490-22570-27	MW-9 (55-57)	Solid	03/20/13 11:20	03/22/13 08:00
490-22570-28	MW-9 (60-62)	Solid	03/20/13 12:20	03/22/13 08:00
490-22570-29	MW-9 (65-67)	Solid	03/20/13 12:30	03/22/13 08:00
490-22570-30	Trip Blank	Solid	03/19/13 00:01	03/22/13 08:00

Job ID: 490-22570-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-22570-1

Comments
No additional comments.

Receipt
The samples were received on 3/22/2013 at 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample duplicate (LCSD) for analysis batch 68052 exceeded control limits for the following analytes: 1,1-Dichloroethene and Bromomethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Insufficient sample volumes were available to perform matrix spikes/matrix spike duplicates (MS/MSD) associated with analysis batches 68052, 68327, 68207, 68596, 68361, 68718 and 68649.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for analysis batch 68207 exceeded control limits for the following analyte: 4-Methyl-2-Pentanone (MIBK). This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following samples were diluted due to the natures of the sample matrices: MW-10 (2-3) (490-22570-1), MW-10 (3-4) (490-22570-2), MW-10 (5-7) (490-22570-3), MW-10 (10-12) (490-22570-4), MW-10 (40-42) (490-22570-10), MW-10 (45-47) (490-22570-11), MW-10 (55-57) (490-22570-13), MW-10 (60-62) (490-22570-14), MW-9 (10-12) (490-22570-18), MW-9 (50-52) (490-22570-26). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analysis batch 68327 exceeded control limits for the following analytes: trans-1,2-Dichloroethene, 1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethane and 4-Methyl-2-pentanone. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

The laboratory is only responsible for the certified testing and is not responsible for the sample integrity prior to laboratory receipt.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

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

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (2-3)
Date Collected: 03/19/13 07:55
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1,1-Trichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1,2,2-Tetrachloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1,2-Trichloroethane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1-Dichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1-Dichloroethene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,1-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2,3-Trichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2,3-Trichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2,4-Trichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2,4-Trimethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dibromo-3-Chloropropane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dibromoethane (EDB)	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,2-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,3,5-Trimethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,3-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,3-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
1,4-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
2,2-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
2-Butanone (MEK)	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
2-Chlorotoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
2-Hexanone	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
4-Chlorotoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
4-Methyl-2-pentanone (MIBK)	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Acetone	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Benzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromochloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromodichloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromoform	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Bromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Carbon disulfide	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Carbon tetrachloride	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chlorodibromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chloroethane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chloroform	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Chloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
cis-1,2-Dichloroethene	**3020**		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
cis-1,3-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Dibromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Dichlorodifluoromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Ethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Hexachlorobutadiene	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Isopropylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Methyl tert-butyl ether	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Methylene Chloride	ND		7160		ug/Kg		03/23/13 19:02	03/27/13 01:14	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (2-3)
Date Collected: 03/19/13 07:55
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
n-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
N-Propylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
p-Isopropyltoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
sec-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Styrene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
tert-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Tetrachloroethene	**185000**		7160		ug/Kg		03/23/13 19:02	03/29/13 02:36	100
Toluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
trans-1,2-Dichloroethene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
trans-1,3-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Trichloroethene	**25000**		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Trichlorofluoromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Vinyl chloride	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:14	20
Xylenes, Total	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:14*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:36*	*100*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:14*	*20*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:36*	*100*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:14*	*20*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:36*	*100*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:14*	*20*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:36*	*100*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (3-4)
Date Collected: 03/19/13 08:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1,1-Trichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1,2,2-Tetrachloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1,2-Trichloroethane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1-Dichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1-Dichloroethene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,1-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2,3-Trichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2,3-Trichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2,4-Trichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2,4-Trimethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dibromo-3-Chloropropane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dibromoethane (EDB)	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dichloroethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,2-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,3,5-Trimethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,3-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,3-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
1,4-Dichlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
2,2-Dichloropropane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
2-Butanone (MEK)	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
2-Chlorotoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
2-Hexanone	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
4-Chlorotoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
4-Methyl-2-pentanone (MIBK)	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Acetone	ND		35800		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Benzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromochloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromodichloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromoform	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Bromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Carbon disulfide	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Carbon tetrachloride	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chlorobenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chlorodibromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chloroethane	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chloroform	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Chloromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
cis-1,2-Dichloroethene	**74700**		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
cis-1,3-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Dibromomethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Dichlorodifluoromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Ethylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Hexachlorobutadiene	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Isopropylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Methyl tert-butyl ether	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Methylene Chloride	ND		7160		ug/Kg		03/23/13 19:02	03/27/13 01:45	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (3-4)
Date Collected: 03/19/13 08:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
n-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
N-Propylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
p-Isopropyltoluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
sec-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Styrene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
tert-Butylbenzene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Tetrachloroethene	**1810000**		28600		ug/Kg		03/23/13 19:02	03/29/13 14:17	400
Toluene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
trans-1,2-Dichloroethene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
trans-1,3-Dichloropropene	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Trichloroethene	**220000**		14300		ug/Kg		03/23/13 19:02	03/29/13 03:39	200
Trichlorofluoromethane	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Vinyl chloride	ND		1430		ug/Kg		03/23/13 19:02	03/27/13 01:45	20
Xylenes, Total	ND		3580		ug/Kg		03/23/13 19:02	03/27/13 01:45	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:45*	*20*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:39*	*200*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 14:17*	*400*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:45*	*20*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:39*	*200*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 19:02*	*03/29/13 14:17*	*400*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:45*	*20*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:39*	*200*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:02*	*03/29/13 14:17*	*400*
Toluene-d8 (Surr)	*103*		*70 - 130*	*03/23/13 19:02*	*03/27/13 01:45*	*20*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:39*	*200*
Toluene-d8 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/29/13 14:17*	*400*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (5-7)
Date Collected: 03/19/13 08:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1,1-Trichloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1,2,2-Tetrachloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1,2-Trichloroethane	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1-Dichloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1-Dichloroethene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,1-Dichloropropene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2,3-Trichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2,3-Trichloropropane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2,4-Trichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2,4-Trimethylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dibromo-3-Chloropropane	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dibromoethane (EDB)	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dichloroethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,2-Dichloropropane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,3,5-Trimethylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,3-Dichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,3-Dichloropropane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
1,4-Dichlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
2,2-Dichloropropane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
2-Butanone (MEK)	ND		37400		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
2-Chlorotoluene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
2-Hexanone	ND		37400		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
4-Chlorotoluene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
4-Methyl-2-pentanone (MIBK)	ND		37400		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Acetone	ND		37400		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Benzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromochloromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromodichloromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromoform	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Bromomethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Carbon disulfide	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Carbon tetrachloride	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chlorobenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chlorodibromomethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chloroethane	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chloroform	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Chloromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
cis-1,2-Dichloroethene	**14700**		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
cis-1,3-Dichloropropene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Dibromomethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Dichlorodifluoromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Ethylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Hexachlorobutadiene	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Isopropylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Methyl tert-butyl ether	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Methylene Chloride	ND		7470		ug/Kg		03/23/13 19:02	03/27/13 02:16	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (5-7)
Date Collected: 03/19/13 08:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
n-Butylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
N-Propylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
p-Isopropyltoluene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
sec-Butylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Styrene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
tert-Butylbenzene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Tetrachloroethene	**148000**		7470		ug/Kg		03/23/13 19:02	03/29/13 03:07	100
Toluene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
trans-1,2-Dichloroethene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
trans-1,3-Dichloropropene	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Trichloroethene	**16700**		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Trichlorofluoromethane	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Vinyl chloride	ND		1490		ug/Kg		03/23/13 19:02	03/27/13 02:16	20
Xylenes, Total	ND		3740		ug/Kg		03/23/13 19:02	03/27/13 02:16	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:16*	*20*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:07*	*100*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:16*	*20*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:07*	*100*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:16*	*20*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:07*	*100*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:16*	*20*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/29/13 03:07*	*100*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (10-12)
Date Collected: 03/19/13 09:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1,1-Trichloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1,2,2-Tetrachloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1,2-Trichloroethane	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1-Dichloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1-Dichloroethene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,1-Dichloropropene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2,3-Trichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2,3-Trichloropropane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2,4-Trichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2,4-Trimethylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dibromo-3-Chloropropane	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dibromoethane (EDB)	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dichloroethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,2-Dichloropropane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,3,5-Trimethylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,3-Dichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,3-Dichloropropane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
1,4-Dichlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
2,2-Dichloropropane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
2-Butanone (MEK)	ND		35600		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
2-Chlorotoluene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
2-Hexanone	ND		35600		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
4-Chlorotoluene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
4-Methyl-2-pentanone (MIBK)	ND		35600		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Acetone	ND		35600		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Benzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromochloromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromodichloromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromoform	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Bromomethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Carbon disulfide	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Carbon tetrachloride	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chlorobenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chlorodibromomethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chloroethane	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chloroform	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Chloromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
cis-1,2-Dichloroethene	**10300**		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
cis-1,3-Dichloropropene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Dibromomethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Dichlorodifluoromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Ethylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Hexachlorobutadiene	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Isopropylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Methyl tert-butyl ether	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Methylene Chloride	ND		7110		ug/Kg		03/23/13 19:02	03/27/13 02:47	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (10-12)
Date Collected: 03/19/13 09:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
n-Butylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
N-Propylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
p-Isopropyltoluene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
sec-Butylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Styrene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
tert-Butylbenzene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Tetrachloroethene	**126000**		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Toluene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
trans-1,2-Dichloroethene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
trans-1,3-Dichloropropene	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Trichloroethene	**10900**		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Trichlorofluoromethane	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Vinyl chloride	ND		1420		ug/Kg		03/23/13 19:02	03/27/13 02:47	20
Xylenes, Total	ND		3560		ug/Kg		03/23/13 19:02	03/27/13 02:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:47*	*20*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:47*	*20*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:47*	*20*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 02:47*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (15-17)
Date Collected: 03/19/13 09:30
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1,1-Trichloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1,2,2-Tetrachloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1,2-Trichloroethane	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1-Dichloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1-Dichloroethene	ND	*	1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,1-Dichloropropene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2,3-Trichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2,3-Trichloropropane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2,4-Trichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2,4-Trimethylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dibromo-3-Chloropropane	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dibromoethane (EDB)	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dichloroethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,2-Dichloropropane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,3,5-Trimethylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,3-Dichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,3-Dichloropropane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
1,4-Dichlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
2,2-Dichloropropane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
2-Butanone (MEK)	**76.1**		36.2		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
2-Chlorotoluene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
2-Hexanone	ND		36.2		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
4-Chlorotoluene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
4-Methyl-2-pentanone (MIBK)	ND		36.2		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Acetone	**119**		36.2		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Benzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromochloromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromodichloromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromoform	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Bromomethane	ND	*	1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Carbon disulfide	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Carbon tetrachloride	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chlorobenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chlorodibromomethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chloroethane	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chloroform	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Chloromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
cis-1,2-Dichloroethene	**189**		77.7		ug/Kg		03/23/13 19:02	03/29/13 01:03	1
cis-1,3-Dichloropropene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Dibromomethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Dichlorodifluoromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Ethylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Hexachlorobutadiene	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Isopropylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Methyl tert-butyl ether	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Methylene Chloride	ND		7.25		ug/Kg		03/23/13 19:06	03/27/13 16:26	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (15-17)
Date Collected: 03/19/13 09:30
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
n-Butylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
N-Propylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
p-Isopropyltoluene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
sec-Butylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Styrene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
tert-Butylbenzene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Tetrachloroethene	**1110**		77.7		ug/Kg		03/23/13 19:02	03/29/13 01:03	1
Toluene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
trans-1,2-Dichloroethene	**13.5**		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
trans-1,3-Dichloropropene	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Trichloroethene	**117**		77.7		ug/Kg		03/23/13 19:02	03/29/13 01:03	1
Trichlorofluoromethane	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Vinyl chloride	ND		1.45		ug/Kg		03/23/13 19:06	03/27/13 16:26	1
Xylenes, Total	ND		3.62		ug/Kg		03/23/13 19:06	03/27/13 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:03*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:03*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:26*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:03*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:26*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:03*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (20-22)
Date Collected: 03/19/13 09:45
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-6
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1,1-Trichloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1,2,2-Tetrachloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1,2-Trichloroethane	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1-Dichloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1-Dichloroethene	ND	*	1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,1-Dichloropropene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2,3-Trichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2,3-Trichloropropane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2,4-Trichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2,4-Trimethylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dibromo-3-Chloropropane	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dibromoethane (EDB)	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dichloroethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,2-Dichloropropane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,3,5-Trimethylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,3-Dichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,3-Dichloropropane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
1,4-Dichlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
2,2-Dichloropropane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
2-Butanone (MEK)	ND		48.6		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
2-Chlorotoluene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
2-Hexanone	ND		48.6		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
4-Chlorotoluene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		48.6		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Acetone	ND		48.6		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Benzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromochloromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromodichloromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromoform	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Bromomethane	ND	*	1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Carbon disulfide	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Carbon tetrachloride	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chlorobenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chlorodibromomethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chloroethane	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chloroform	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Chloromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
cis-1,2-Dichloroethene	**26.6**		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
cis-1,3-Dichloropropene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Dibromomethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Dichlorodifluoromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Ethylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Hexachlorobutadiene	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Isopropylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Methyl tert-butyl ether	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Methylene Chloride	ND		9.73		ug/Kg		03/23/13 19:06	03/27/13 16:57	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (20-22)
Date Collected: 03/19/13 09:45
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
n-Butylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
N-Propylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
p-Isopropyltoluene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
sec-Butylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Styrene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
tert-Butylbenzene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Tetrachloroethene	**111**		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Toluene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
trans-1,2-Dichloroethene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
trans-1,3-Dichloropropene	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Trichloroethene	**15.0**		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Trichlorofluoromethane	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Vinyl chloride	ND		1.95		ug/Kg		03/23/13 19:06	03/27/13 16:57	1
Xylenes, Total	ND		4.86		ug/Kg		03/23/13 19:06	03/27/13 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:57*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:57*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:57*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/27/13 16:57*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (25-27)
Date Collected: 03/19/13 10:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1,1-Trichloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1,2,2-Tetrachloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1,2-Trichloroethane	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1-Dichloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1-Dichloroethene	ND	*	1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,1-Dichloropropene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2,3-Trichlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2,3-Trichloropropane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2,4-Trichlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2,4-Trimethylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dibromo-3-Chloropropane	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dibromoethane (EDB)	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dichlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dichloroethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,2-Dichloropropane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,3,5-Trimethylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,3-Dichlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,3-Dichloropropane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
1,4-Dichlorobenzene	**2.61**		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
2,2-Dichloropropane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
2-Butanone (MEK)	**49.8**		45.7		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
2-Chlorotoluene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
2-Hexanone	ND		45.7		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
4-Chlorotoluene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
4-Methyl-2-pentanone (MIBK)	ND		45.7		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Acetone	ND		45.7		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Benzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromochloromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromodichloromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromoform	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Bromomethane	ND	*	1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Carbon disulfide	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Carbon tetrachloride	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chlorobenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chlorodibromomethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chloroethane	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chloroform	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Chloromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
cis-1,2-Dichloroethene	**965**		99.8		ug/Kg		03/23/13 19:02	03/29/13 01:34	1
cis-1,3-Dichloropropene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Dibromomethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Dichlorodifluoromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Ethylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Hexachlorobutadiene	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Isopropylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Methyl tert-butyl ether	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Methylene Chloride	ND		9.14		ug/Kg		03/23/13 19:06	03/27/13 17:29	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (25-27)
Date Collected: 03/19/13 10:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
n-Butylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
N-Propylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
p-Isopropyltoluene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
sec-Butylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Styrene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
tert-Butylbenzene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Tetrachloroethene	**2300**		99.8		ug/Kg		03/23/13 19:02	03/29/13 01:34	1
Toluene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
trans-1,2-Dichloroethene	**5.83**		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
trans-1,3-Dichloropropene	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Trichloroethene	**303**		99.8		ug/Kg		03/23/13 19:02	03/29/13 01:34	1
Trichlorofluoromethane	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Vinyl chloride	ND		1.83		ug/Kg		03/23/13 19:06	03/27/13 17:29	1
Xylenes, Total	ND		4.57		ug/Kg		03/23/13 19:06	03/27/13 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:34*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/23/13 19:06*	*03/27/13 17:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:34*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 17:29*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:34*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 17:29*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/29/13 01:34*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (30-32)
Date Collected: 03/19/13 10:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1,1-Trichloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1,2,2-Tetrachloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1,2-Trichloroethane	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1-Dichloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1-Dichloroethene	ND	*	1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,1-Dichloropropene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2,3-Trichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2,3-Trichloropropane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2,4-Trichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2,4-Trimethylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dibromo-3-Chloropropane	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dibromoethane (EDB)	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dichloroethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,2-Dichloropropane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,3,5-Trimethylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,3-Dichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,3-Dichloropropane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
1,4-Dichlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
2,2-Dichloropropane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
2-Butanone (MEK)	ND		47.7		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
2-Chlorotoluene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
2-Hexanone	ND		47.7		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
4-Chlorotoluene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
4-Methyl-2-pentanone (MIBK)	ND		47.7		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Acetone	ND		47.7		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Benzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromochloromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromodichloromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromoform	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Bromomethane	ND	*	1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Carbon disulfide	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Carbon tetrachloride	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chlorobenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chlorodibromomethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chloroethane	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chloroform	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Chloromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
cis-1,2-Dichloroethene	**24.3**		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
cis-1,3-Dichloropropene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Dibromomethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Dichlorodifluoromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Ethylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Hexachlorobutadiene	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Isopropylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Methyl tert-butyl ether	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Methylene Chloride	ND		9.55		ug/Kg		03/23/13 19:06	03/27/13 18:00	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (30-32)
Date Collected: 03/19/13 10:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
n-Butylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
N-Propylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
p-Isopropyltoluene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
sec-Butylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Styrene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
tert-Butylbenzene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Tetrachloroethene	**89.0**		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Toluene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
trans-1,2-Dichloroethene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
trans-1,3-Dichloropropene	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Trichloroethene	**12.7**		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Trichlorofluoromethane	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Vinyl chloride	ND		1.91		ug/Kg		03/23/13 19:06	03/27/13 18:00	1
Xylenes, Total	ND		4.77		ug/Kg		03/23/13 19:06	03/27/13 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:00*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:00*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:00*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (35-37)
Date Collected: 03/19/13 11:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-9
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1,1-Trichloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1,2,2-Tetrachloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1,2-Trichloroethane	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1-Dichloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1-Dichloroethene	ND	*	1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,1-Dichloropropene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2,3-Trichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2,3-Trichloropropane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2,4-Trichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2,4-Trimethylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dibromo-3-Chloropropane	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dibromoethane (EDB)	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dichloroethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,2-Dichloropropane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,3,5-Trimethylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,3-Dichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,3-Dichloropropane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
1,4-Dichlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
2,2-Dichloropropane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
2-Butanone (MEK)	ND		48.9		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
2-Chlorotoluene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
2-Hexanone	ND		48.9		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
4-Chlorotoluene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		48.9		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Acetone	ND		48.9		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Benzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromochloromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromodichloromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromoform	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Bromomethane	ND	*	1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Carbon disulfide	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Carbon tetrachloride	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chlorobenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chlorodibromomethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chloroethane	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chloroform	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Chloromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
cis-1,2-Dichloroethene	**28.8**		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
cis-1,3-Dichloropropene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Dibromomethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Dichlorodifluoromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Ethylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Hexachlorobutadiene	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Isopropylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Methyl tert-butyl ether	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Methylene Chloride	ND		9.79		ug/Kg		03/23/13 19:06	03/27/13 18:31	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (35-37)
Date Collected: 03/19/13 11:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
n-Butylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
N-Propylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
p-Isopropyltoluene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
sec-Butylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Styrene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
tert-Butylbenzene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Tetrachloroethene	**857**		95.3		ug/Kg		03/23/13 19:02	03/29/13 02:05	1
Toluene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
trans-1,2-Dichloroethene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
trans-1,3-Dichloropropene	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Trichloroethene	**21.8**		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Trichlorofluoromethane	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Vinyl chloride	ND		1.96		ug/Kg		03/23/13 19:06	03/27/13 18:31	1
Xylenes, Total	ND		4.89		ug/Kg		03/23/13 19:06	03/27/13 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:31*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:05*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:31*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:05*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 18:31*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:02*	*03/29/13 02:05*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (40-42)
Date Collected: 03/19/13 11:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1,1-Trichloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1,2,2-Tetrachloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1,2-Trichloroethane	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1-Dichloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1-Dichloroethene	ND	*	89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,1-Dichloropropene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2,3-Trichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2,3-Trichloropropane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2,4-Trichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2,4-Trimethylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dibromo-3-Chloropropane	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dibromoethane (EDB)	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dichloroethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,2-Dichloropropane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,3,5-Trimethylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,3-Dichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,3-Dichloropropane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
1,4-Dichlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
2,2-Dichloropropane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
2-Butanone (MEK)	ND		2230		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
2-Chlorotoluene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
2-Hexanone	ND		2230		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
4-Chlorotoluene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
4-Methyl-2-pentanone (MIBK)	ND		2230		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Acetone	ND		2230		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Benzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromochloromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromodichloromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromoform	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Bromomethane	ND	*	89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Carbon disulfide	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Carbon tetrachloride	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chlorobenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chlorodibromomethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chloroethane	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chloroform	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Chloromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
cis-1,2-Dichloroethene	**2280**		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
cis-1,3-Dichloropropene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Dibromomethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Dichlorodifluoromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Ethylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Hexachlorobutadiene	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Isopropylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Methyl tert-butyl ether	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Methylene Chloride	ND		447		ug/Kg		03/23/13 19:02	03/27/13 20:37	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (40-42)
Date Collected: 03/19/13 11:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
n-Butylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
N-Propylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
p-Isopropyltoluene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
sec-Butylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Styrene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
tert-Butylbenzene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Tetrachloroethene	**17600**		1790		ug/Kg		03/23/13 19:02	03/27/13 05:54	20
Toluene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
trans-1,2-Dichloroethene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
trans-1,3-Dichloropropene	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Trichloroethene	**2120**		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Trichlorofluoromethane	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Vinyl chloride	ND		89.3		ug/Kg		03/23/13 19:02	03/27/13 20:37	1
Xylenes, Total	ND		223		ug/Kg		03/23/13 19:02	03/27/13 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 05:54*	*20*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:37*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 05:54*	*20*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:37*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 05:54*	*20*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:37*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:02*	*03/27/13 05:54*	*20*
Toluene-d8 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:37*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (45-47)
Date Collected: 03/19/13 11:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1,1-Trichloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1,2,2-Tetrachloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1,2-Trichloroethane	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1-Dichloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1-Dichloroethene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,1-Dichloropropene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2,3-Trichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2,3-Trichloropropane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2,4-Trichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2,4-Trimethylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dibromo-3-Chloropropane	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dibromoethane (EDB)	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dichloroethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,2-Dichloropropane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,3,5-Trimethylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,3-Dichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,3-Dichloropropane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
1,4-Dichlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
2,2-Dichloropropane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
2-Butanone (MEK)	ND		33700		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
2-Chlorotoluene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
2-Hexanone	ND		33700		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
4-Chlorotoluene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
4-Methyl-2-pentanone (MIBK)	ND		33700		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Acetone	ND		33700		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Benzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromochloromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromodichloromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromoform	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Bromomethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Carbon disulfide	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Carbon tetrachloride	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chlorobenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chlorodibromomethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chloroethane	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chloroform	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Chloromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
cis-1,2-Dichloroethene	**5680**		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
cis-1,3-Dichloropropene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Dibromomethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Dichlorodifluoromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Ethylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Hexachlorobutadiene	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Isopropylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Methyl tert-butyl ether	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Methylene Chloride	ND		6740		ug/Kg		03/23/13 19:02	03/27/13 06:25	20

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (45-47)
Date Collected: 03/19/13 11:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
n-Butylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
N-Propylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
p-Isopropyltoluene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
sec-Butylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Styrene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
tert-Butylbenzene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Tetrachloroethene	**92000**		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Toluene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
trans-1,2-Dichloroethene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
trans-1,3-Dichloropropene	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Trichloroethene	**8190**		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Trichlorofluoromethane	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Vinyl chloride	ND		1350		ug/Kg		03/23/13 19:02	03/27/13 06:25	20
Xylenes, Total	ND		3370		ug/Kg		03/23/13 19:02	03/27/13 06:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 06:25*	*20*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 06:25*	*20*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*03/23/13 19:02*	*03/27/13 06:25*	*20*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 06:25*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (50-52)
Date Collected: 03/19/13 12:25
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-12
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1,1-Trichloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1,2,2-Tetrachloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1,2-Trichloroethane	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1-Dichloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1-Dichloroethene	ND	*	1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,1-Dichloropropene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2,3-Trichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2,3-Trichloropropane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2,4-Trichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2,4-Trimethylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dibromo-3-Chloropropane	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dibromoethane (EDB)	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dichloroethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,2-Dichloropropane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,3,5-Trimethylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,3-Dichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,3-Dichloropropane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
1,4-Dichlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
2,2-Dichloropropane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
2-Butanone (MEK)	ND		42.3		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
2-Chlorotoluene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
2-Hexanone	ND		42.3		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
4-Chlorotoluene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
4-Methyl-2-pentanone (MIBK)	ND		42.3		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Acetone	ND		42.3		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Benzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromochloromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromodichloromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromoform	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Bromomethane	ND	*	1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Carbon disulfide	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Carbon tetrachloride	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chlorobenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chlorodibromomethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chloroethane	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chloroform	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Chloromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
cis-1,2-Dichloroethene	**5.31**		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
cis-1,3-Dichloropropene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Dibromomethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Dichlorodifluoromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Ethylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Hexachlorobutadiene	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Isopropylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Methyl tert-butyl ether	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Methylene Chloride	ND		8.46		ug/Kg		03/23/13 19:06	03/27/13 19:03	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (50-52)
Date Collected: 03/19/13 12:25
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
n-Butylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
N-Propylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
p-Isopropyltoluene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
sec-Butylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Styrene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
tert-Butylbenzene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Tetrachloroethene	**36.4**		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Toluene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
trans-1,2-Dichloroethene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
trans-1,3-Dichloropropene	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Trichloroethene	**3.54**		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Trichlorofluoromethane	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Vinyl chloride	ND		1.69		ug/Kg		03/23/13 19:06	03/27/13 19:03	1
Xylenes, Total	ND		4.23		ug/Kg		03/23/13 19:06	03/27/13 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:03*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:03*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:03*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (55-57)
Date Collected: 03/19/13 13:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1,1-Trichloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1,2,2-Tetrachloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1,2-Trichloroethane	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1-Dichloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1-Dichloroethene	ND	*	62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,1-Dichloropropene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2,3-Trichlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2,3-Trichloropropane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2,4-Trichlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2,4-Trimethylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dibromo-3-Chloropropane	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dibromoethane (EDB)	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dichlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dichloroethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,2-Dichloropropane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,3,5-Trimethylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,3-Dichlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,3-Dichloropropane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
1,4-Dichlorobenzene	**78.5**		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
2,2-Dichloropropane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
2-Butanone (MEK)	ND		1570		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
2-Chlorotoluene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
2-Hexanone	ND		1570		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
4-Chlorotoluene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
4-Methyl-2-pentanone (MIBK)	ND		1570		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Acetone	ND		1570		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Benzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromochloromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromodichloromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromoform	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Bromomethane	ND	*	62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Carbon disulfide	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Carbon tetrachloride	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chlorobenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chlorodibromomethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chloroethane	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chloroform	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Chloromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
cis-1,2-Dichloroethene	**2540**		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
cis-1,3-Dichloropropene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Dibromomethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Dichlorodifluoromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Ethylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Hexachlorobutadiene	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Isopropylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Methyl tert-butyl ether	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Methylene Chloride	ND		314		ug/Kg		03/23/13 19:02	03/27/13 22:11	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (55-57)
Date Collected: 03/19/13 13:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
n-Butylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
N-Propylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
p-Isopropyltoluene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
sec-Butylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Styrene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
tert-Butylbenzene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Tetrachloroethene	**44800**		1260		ug/Kg		03/23/13 19:02	03/27/13 07:27	20
Toluene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
trans-1,2-Dichloroethene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
trans-1,3-Dichloropropene	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Trichloroethene	**3700**		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Trichlorofluoromethane	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Vinyl chloride	ND		62.9		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Xylenes, Total	ND		157		ug/Kg		03/23/13 19:02	03/27/13 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:27*	*20*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:27*	*20*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:27*	*20*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:27*	*20*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*

Client Sample ID: MW-10 (60-62)
Date Collected: 03/19/13 13:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-14
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1,1-Trichloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1,2,2-Tetrachloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1,2-Trichloroethane	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1-Dichloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1-Dichloroethene	ND	*	90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,1-Dichloropropene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2,3-Trichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2,3-Trichloropropane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2,4-Trichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2,4-Trimethylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dibromo-3-Chloropropane	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dibromoethane (EDB)	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dichloroethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,2-Dichloropropane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,3,5-Trimethylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,3-Dichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,3-Dichloropropane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
1,4-Dichlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
2,2-Dichloropropane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
2-Butanone (MEK)	ND		2270		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
2-Chlorotoluene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
2-Hexanone	ND		2270		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
4-Chlorotoluene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
4-Methyl-2-pentanone (MIBK)	ND		2270		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Acetone	ND		2270		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Benzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromochloromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromodichloromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromoform	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Bromomethane	ND	*	90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Carbon disulfide	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Carbon tetrachloride	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chlorobenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chlorodibromomethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chloroethane	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chloroform	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Chloromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
cis-1,2-Dichloroethene	**800**		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
cis-1,3-Dichloropropene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Dibromomethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Dichlorodifluoromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Ethylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Hexachlorobutadiene	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Isopropylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Methyl tert-butyl ether	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Methylene Chloride	ND		453		ug/Kg		03/23/13 19:02	03/27/13 20:05	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (60-62)
Date Collected: 03/19/13 13:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
n-Butylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
N-Propylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
p-Isopropyltoluene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
sec-Butylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Styrene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
tert-Butylbenzene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Tetrachloroethene	**10300**		1810		ug/Kg		03/23/13 19:02	03/27/13 07:58	20
Toluene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
trans-1,2-Dichloroethene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
trans-1,3-Dichloropropene	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Trichloroethene	**2070**		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Trichlorofluoromethane	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Vinyl chloride	ND		90.7		ug/Kg		03/23/13 19:02	03/27/13 20:05	1
Xylenes, Total	ND		227		ug/Kg		03/23/13 19:02	03/27/13 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:58*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:58*	*20*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:05*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:58*	*20*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:05*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/27/13 07:58*	*20*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:05*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (65-67)
Date Collected: 03/19/13 14:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-15
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1,1-Trichloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1,2,2-Tetrachloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1,2-Trichloroethane	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1-Dichloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1-Dichloroethene	ND	*	1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,1-Dichloropropene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2,3-Trichlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2,3-Trichloropropane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2,4-Trichlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2,4-Trimethylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dibromo-3-Chloropropane	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dibromoethane (EDB)	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dichlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dichloroethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,2-Dichloropropane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,3,5-Trimethylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,3-Dichlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,3-Dichloropropane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
1,4-Dichlorobenzene	**1.72**		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
2,2-Dichloropropane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
2-Butanone (MEK)	ND		41.6		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
2-Chlorotoluene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
2-Hexanone	ND		41.6		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
4-Chlorotoluene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
4-Methyl-2-pentanone (MIBK)	ND		41.6		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Acetone	ND		41.6		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Benzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromochloromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromodichloromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromoform	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Bromomethane	ND	*	1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Carbon disulfide	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Carbon tetrachloride	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chlorobenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chlorodibromomethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chloroethane	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chloroform	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Chloromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
cis-1,2-Dichloroethene	**113**		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
cis-1,3-Dichloropropene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Dibromomethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Dichlorodifluoromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Ethylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Hexachlorobutadiene	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Isopropylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Methyl tert-butyl ether	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Methylene Chloride	ND		8.32		ug/Kg		03/23/13 19:06	03/27/13 21:08	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (65-67)
Date Collected: 03/19/13 14:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
n-Butylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
N-Propylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
p-Isopropyltoluene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
sec-Butylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Styrene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
tert-Butylbenzene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Tetrachloroethene	**3060**		75.5		ug/Kg		03/23/13 19:02	03/27/13 21:40	1
Toluene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
trans-1,2-Dichloroethene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
trans-1,3-Dichloropropene	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Trichloroethene	**136**		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Trichlorofluoromethane	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Vinyl chloride	ND		1.66		ug/Kg		03/23/13 19:06	03/27/13 21:08	1
Xylenes, Total	ND		4.16		ug/Kg		03/23/13 19:06	03/27/13 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 21:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/23/13 19:06*	*03/27/13 21:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:40*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/27/13 21:08*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:40*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/27/13 21:08*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:40*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (70-72)
Date Collected: 03/19/13 14:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-16
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1,1-Trichloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1,2,2-Tetrachloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1,2-Trichloroethane	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1-Dichloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1-Dichloroethene	ND	*	2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,1-Dichloropropene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2,3-Trichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2,3-Trichloropropane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2,4-Trichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2,4-Trimethylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dibromo-3-Chloropropane	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dibromoethane (EDB)	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dichloroethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,2-Dichloropropane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,3,5-Trimethylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,3-Dichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,3-Dichloropropane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
1,4-Dichlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
2,2-Dichloropropane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
2-Butanone (MEK)	ND		51.0		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
2-Chlorotoluene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
2-Hexanone	ND		51.0		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
4-Chlorotoluene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
4-Methyl-2-pentanone (MIBK)	ND		51.0		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Acetone	ND		51.0		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Benzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromochloromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromodichloromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromoform	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Bromomethane	ND	*	2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Carbon disulfide	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Carbon tetrachloride	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chlorobenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chlorodibromomethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chloroethane	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chloroform	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Chloromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
cis-1,2-Dichloroethene	**11.7**		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
cis-1,3-Dichloropropene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Dibromomethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Dichlorodifluoromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Ethylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Hexachlorobutadiene	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Isopropylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Methyl tert-butyl ether	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Methylene Chloride	ND		10.2		ug/Kg		03/23/13 19:06	03/27/13 19:34	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (70-72)
Date Collected: 03/19/13 14:50
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
n-Butylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
N-Propylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
p-Isopropyltoluene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
sec-Butylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Styrene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
tert-Butylbenzene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Tetrachloroethene	**49.7**		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Toluene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
trans-1,2-Dichloroethene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
trans-1,3-Dichloropropene	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Trichloroethene	**7.08**		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Trichlorofluoromethane	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Vinyl chloride	ND		2.04		ug/Kg		03/23/13 19:06	03/27/13 19:34	1
Xylenes, Total	ND		5.10		ug/Kg		03/23/13 19:06	03/27/13 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:34*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:34*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:34*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/27/13 19:34*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (5-7)
Date Collected: 03/20/13 08:15
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-17
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1,1-Trichloroethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1,2,2-Tetrachloroethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1,2-Trichloroethane	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1-Dichloroethane	ND	*	1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1-Dichloroethene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,1-Dichloropropene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2,3-Trichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2,3-Trichloropropane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2,4-Trichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2,4-Trimethylbenzene	**3.44**		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dibromo-3-Chloropropane	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dibromoethane (EDB)	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dichloroethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,2-Dichloropropane	ND	*	1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,3,5-Trimethylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,3-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,3-Dichloropropane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
1,4-Dichlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
2,2-Dichloropropane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
2-Butanone (MEK)	ND		38.6		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
2-Chlorotoluene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
2-Hexanone	ND		38.6		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
4-Chlorotoluene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
4-Methyl-2-pentanone (MIBK)	ND	*	38.6		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Acetone	**123**		38.6		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Benzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromochloromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromodichloromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromoform	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Bromomethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Carbon disulfide	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Carbon tetrachloride	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chlorobenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chlorodibromomethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chloroethane	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chloroform	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Chloromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
cis-1,2-Dichloroethene	**8.22**		1.57		ug/Kg		03/23/13 19:06	03/29/13 10:21	1
cis-1,3-Dichloropropene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Dibromomethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Dichlorodifluoromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Ethylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Hexachlorobutadiene	ND		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Isopropylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Methyl tert-butyl ether	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Methylene Chloride	ND		7.71		ug/Kg		03/23/13 19:06	03/28/13 18:03	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (5-7)
Date Collected: 03/20/13 08:15
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**5.15**		3.93		ug/Kg		03/23/13 19:06	03/29/13 10:21	1
n-Butylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
N-Propylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
p-Isopropyltoluene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
sec-Butylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Styrene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
tert-Butylbenzene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Tetrachloroethene	**4220**		77.9		ug/Kg		03/23/13 19:02	03/27/13 20:41	1
Toluene	**1.70**		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
trans-1,2-Dichloroethene	ND	*	1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
trans-1,3-Dichloropropene	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Trichloroethene	**21.7**		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Trichlorofluoromethane	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Vinyl chloride	ND		1.54		ug/Kg		03/23/13 19:06	03/28/13 18:03	1
Xylenes, Total	**7.83**		3.86		ug/Kg		03/23/13 19:06	03/28/13 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*	*03/23/13 19:06*	*03/28/13 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:21*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:41*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/28/13 18:03*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:21*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:41*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:06*	*03/28/13 18:03*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:21*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*	*03/23/13 19:02*	*03/27/13 20:41*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/23/13 19:06*	*03/28/13 18:03*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:21*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (10-12)
Date Collected: 03/20/13 08:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-18
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1,1-Trichloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1,2,2-Tetrachloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1,2-Trichloroethane	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1-Dichloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1-Dichloroethene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,1-Dichloropropene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2,3-Trichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2,3-Trichloropropane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2,4-Trichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2,4-Trimethylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dibromo-3-Chloropropane	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dibromoethane (EDB)	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dichloroethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,2-Dichloropropane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,3,5-Trimethylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,3-Dichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,3-Dichloropropane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
1,4-Dichlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
2,2-Dichloropropane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
2-Butanone (MEK)	ND		52.3		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
2-Chlorotoluene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
2-Hexanone	ND		52.3		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
4-Chlorotoluene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		52.3		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Acetone	**82.9**		52.3		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Benzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromochloromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromodichloromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromoform	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Bromomethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Carbon disulfide	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Carbon tetrachloride	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chlorobenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chlorodibromomethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chloroethane	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chloroform	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Chloromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
cis-1,2-Dichloroethene	**14.7**		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
cis-1,3-Dichloropropene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Dibromomethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Dichlorodifluoromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Ethylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Hexachlorobutadiene	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Isopropylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Methyl tert-butyl ether	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Methylene Chloride	ND		10.5		ug/Kg		03/23/13 19:06	03/29/13 10:51	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (10-12)
Date Collected: 03/20/13 08:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
n-Butylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
N-Propylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
p-Isopropyltoluene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
sec-Butylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Styrene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
tert-Butylbenzene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Tetrachloroethene	**2430**		73.1		ug/Kg		03/23/13 19:02	03/27/13 21:11	1
Toluene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
trans-1,2-Dichloroethene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
trans-1,3-Dichloropropene	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Trichloroethene	**18.9**		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Trichlorofluoromethane	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Vinyl chloride	ND		2.09		ug/Kg		03/23/13 19:06	03/29/13 10:51	1
Xylenes, Total	ND		5.23		ug/Kg		03/23/13 19:06	03/29/13 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:51*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:51*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:11*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:51*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*	*03/23/13 19:02*	*03/27/13 21:11*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*03/23/13 19:06*	*03/29/13 10:51*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (15-17)
Date Collected: 03/20/13 08:45
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-19
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1,1-Trichloroethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1,2,2-Tetrachloroethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1,2-Trichloroethane	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1-Dichloroethane	ND	*	2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1-Dichloroethene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,1-Dichloropropene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2,3-Trichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2,3-Trichloropropane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2,4-Trichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2,4-Trimethylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dibromo-3-Chloropropane	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dibromoethane (EDB)	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dichloroethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,2-Dichloropropane	ND	*	2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,3,5-Trimethylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,3-Dichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,3-Dichloropropane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
1,4-Dichlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
2,2-Dichloropropane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
2-Butanone (MEK)	ND		62.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
2-Chlorotoluene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
2-Hexanone	ND		62.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
4-Chlorotoluene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
4-Methyl-2-pentanone (MIBK)	ND	*	62.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Acetone	ND		62.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Benzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromochloromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromodichloromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromoform	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Bromomethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Carbon disulfide	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Carbon tetrachloride	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chlorobenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chlorodibromomethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chloroethane	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chloroform	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Chloromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
cis-1,2-Dichloroethene	**2.00**		1.93		ug/Kg		03/23/13 19:06	03/29/13 11:51	1
cis-1,3-Dichloropropene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Dibromomethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Dichlorodifluoromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Ethylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Hexachlorobutadiene	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Isopropylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Methyl tert-butyl ether	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Methylene Chloride	ND		12.5		ug/Kg		03/23/13 19:06	03/28/13 10:29	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (15-17)
Date Collected: 03/20/13 08:45
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
n-Butylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
N-Propylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
p-Isopropyltoluene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
sec-Butylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Styrene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
tert-Butylbenzene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Tetrachloroethene	**32.9**		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Toluene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
trans-1,2-Dichloroethene	ND	*	2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
trans-1,3-Dichloropropene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Trichloroethene	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Trichlorofluoromethane	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Vinyl chloride	ND		2.50		ug/Kg		03/23/13 19:06	03/28/13 10:29	1
Xylenes, Total	ND		6.25		ug/Kg		03/23/13 19:06	03/28/13 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:51*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:29*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:51*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:29*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:51*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:29*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:51*	*1*

Client Sample ID: MW-9 (20-22)
Date Collected: 03/20/13 09:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-20
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1,1-Trichloroethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1,2-Trichloroethane	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1-Dichloroethane	ND	*	1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1-Dichloroethene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,1-Dichloropropene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2,3-Trichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2,3-Trichloropropane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2,4-Trichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2,4-Trimethylbenzene	**9.36**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dibromo-3-Chloropropane	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dibromoethane (EDB)	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dichloroethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,2-Dichloropropane	ND	*	1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,3,5-Trimethylbenzene	**2.09**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,3-Dichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,3-Dichloropropane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
1,4-Dichlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
2,2-Dichloropropane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
2-Butanone (MEK)	ND		38.4		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
2-Chlorotoluene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
2-Hexanone	ND		38.4		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
4-Chlorotoluene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
4-Methyl-2-pentanone (MIBK)	ND	*	38.4		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Acetone	**58.3**		38.4		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Benzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromochloromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromodichloromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromoform	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Bromomethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Carbon disulfide	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Carbon tetrachloride	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chlorobenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chlorodibromomethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chloroethane	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chloroform	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Chloromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
cis-1,2-Dichloroethene	**9.25**		1.45		ug/Kg		03/23/13 19:06	03/29/13 11:21	1
cis-1,3-Dichloropropene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Dibromomethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Dichlorodifluoromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Ethylbenzene	**3.04**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Hexachlorobutadiene	ND		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Isopropylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Methyl tert-butyl ether	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Methylene Chloride	ND		7.67		ug/Kg		03/23/13 19:06	03/28/13 17:02	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (20-22)
Date Collected: 03/20/13 09:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.62		ug/Kg		03/23/13 19:06	03/29/13 11:21	1
n-Butylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
N-Propylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
p-Isopropyltoluene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
sec-Butylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Styrene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
tert-Butylbenzene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Tetrachloroethene	**3060**		67.3		ug/Kg		03/23/13 19:02	03/27/13 22:11	1
Toluene	**4.08**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
trans-1,2-Dichloroethene	ND	*	1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
trans-1,3-Dichloropropene	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Trichloroethene	**14.4**		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Trichlorofluoromethane	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Vinyl chloride	ND		1.53		ug/Kg		03/23/13 19:06	03/28/13 17:02	1
Xylenes, Total	**21.7**		3.84		ug/Kg		03/23/13 19:06	03/28/13 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*	*03/23/13 19:06*	*03/28/13 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:21*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/23/13 19:06*	*03/28/13 17:02*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:21*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:06*	*03/28/13 17:02*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:21*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*	*03/23/13 19:02*	*03/27/13 22:11*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*03/23/13 19:06*	*03/28/13 17:02*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*	*03/23/13 19:06*	*03/29/13 11:21*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (25-27)
Date Collected: 03/20/13 09:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-21
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1,1-Trichloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1,2,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1,2-Trichloroethane	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1-Dichloroethane	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1-Dichloroethene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,1-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2,3-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2,3-Trichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2,4-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2,4-Trimethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dibromo-3-Chloropropane	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dibromoethane (EDB)	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dichloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,2-Dichloropropane	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,3,5-Trimethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,3-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,3-Dichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
1,4-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
2,2-Dichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
2-Butanone (MEK)	ND		49.4		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
2-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
2-Hexanone	ND		49.4		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
4-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
4-Methyl-2-pentanone (MIBK)	ND	*	49.4		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Acetone	ND		49.4		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Benzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromochloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromodichloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromoform	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Bromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Carbon disulfide	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Carbon tetrachloride	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chlorodibromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chloroethane	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chloroform	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Chloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
cis-1,2-Dichloroethene	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
cis-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Dibromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Dichlorodifluoromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Ethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Hexachlorobutadiene	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Isopropylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Methyl tert-butyl ether	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Methylene Chloride	ND		9.89		ug/Kg		03/23/13 19:06	03/28/13 10:59	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (25-27)
Date Collected: 03/20/13 09:10
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
n-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
N-Propylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
p-Isopropyltoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
sec-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Styrene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
tert-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Tetrachloroethene	**26.6**		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Toluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
trans-1,2-Dichloroethene	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
trans-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Trichloroethene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Trichlorofluoromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Vinyl chloride	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 10:59	1
Xylenes, Total	ND		4.94		ug/Kg		03/23/13 19:06	03/28/13 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:59*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:59*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:59*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/23/13 19:06*	*03/28/13 10:59*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (30-32)
Date Collected: 03/20/13 10:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-22
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1,1-Trichloroethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1,2,2-Tetrachloroethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1,2-Trichloroethane	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1-Dichloroethane	ND	*	2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1-Dichloroethene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,1-Dichloropropene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2,3-Trichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2,3-Trichloropropane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2,4-Trichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2,4-Trimethylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dibromo-3-Chloropropane	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dibromoethane (EDB)	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dichloroethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,2-Dichloropropane	ND	*	2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,3,5-Trimethylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,3-Dichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,3-Dichloropropane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
1,4-Dichlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
2,2-Dichloropropane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
2-Butanone (MEK)	ND		51.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
2-Chlorotoluene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
2-Hexanone	ND		51.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
4-Chlorotoluene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
4-Methyl-2-pentanone (MIBK)	ND	*	51.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Acetone	ND		51.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Benzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromochloromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromodichloromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromoform	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Bromomethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Carbon disulfide	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Carbon tetrachloride	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chlorobenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chlorodibromomethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chloroethane	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chloroform	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Chloromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
cis-1,2-Dichloroethene	ND	*	2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
cis-1,3-Dichloropropene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Dibromomethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Dichlorodifluoromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Ethylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Hexachlorobutadiene	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Isopropylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Methyl tert-butyl ether	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Methylene Chloride	ND		10.3		ug/Kg		03/23/13 19:06	03/28/13 11:29	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (30-32)
Date Collected: 03/20/13 10:00
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
n-Butylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
N-Propylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
p-Isopropyltoluene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
sec-Butylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Styrene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
tert-Butylbenzene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Tetrachloroethene	**29.4**		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Toluene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
trans-1,2-Dichloroethene	ND	*	2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
trans-1,3-Dichloropropene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Trichloroethene	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Trichlorofluoromethane	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Vinyl chloride	ND		2.05		ug/Kg		03/23/13 19:06	03/28/13 11:29	1
Xylenes, Total	ND		5.13		ug/Kg		03/23/13 19:06	03/28/13 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*70 - 130*	*03/23/13 19:06*	*03/28/13 11:29*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/23/13 19:06*	*03/28/13 11:29*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/28/13 11:29*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*03/23/13 19:06*	*03/28/13 11:29*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (35-37)
Date Collected: 03/20/13 10:25
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-23
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1,1-Trichloroethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1,2,2-Tetrachloroethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1,2-Trichloroethane	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1-Dichloroethane	ND	*	1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1-Dichloroethene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,1-Dichloropropene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2,3-Trichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2,3-Trichloropropane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2,4-Trichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2,4-Trimethylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dibromo-3-Chloropropane	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dibromoethane (EDB)	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dichloroethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,2-Dichloropropane	ND	*	1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,3,5-Trimethylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,3-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,3-Dichloropropane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
1,4-Dichlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
2,2-Dichloropropane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
2-Butanone (MEK)	ND		44.9		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
2-Chlorotoluene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
2-Hexanone	ND		44.9		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
4-Chlorotoluene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
4-Methyl-2-pentanone (MIBK)	ND	*	44.9		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Acetone	ND		44.9		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Benzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromochloromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromodichloromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromoform	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Bromomethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Carbon disulfide	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Carbon tetrachloride	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chlorobenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chlorodibromomethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chloroethane	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chloroform	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Chloromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
cis-1,2-Dichloroethene	ND	*	1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
cis-1,3-Dichloropropene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Dibromomethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Dichlorodifluoromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Ethylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Hexachlorobutadiene	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Isopropylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Methyl tert-butyl ether	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Methylene Chloride	ND		8.98		ug/Kg		03/23/13 19:06	03/28/13 12:00	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (35-37)
Date Collected: 03/20/13 10:25
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
n-Butylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
N-Propylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
p-Isopropyltoluene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
sec-Butylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Styrene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
tert-Butylbenzene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Tetrachloroethene	**14.4**		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Toluene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
trans-1,2-Dichloroethene	ND	*	1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
trans-1,3-Dichloropropene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Trichloroethene	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Trichlorofluoromethane	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Vinyl chloride	ND		1.80		ug/Kg		03/23/13 19:06	03/28/13 12:00	1
Xylenes, Total	ND		4.49		ug/Kg		03/23/13 19:06	03/28/13 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:00*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:00*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:00*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:00*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (40-42)
Date Collected: 03/20/13 10:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-24
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1,1-Trichloroethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1,2,2-Tetrachloroethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1,2-Trichloroethane	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1-Dichloroethane	ND	*	1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1-Dichloroethene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,1-Dichloropropene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2,3-Trichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2,3-Trichloropropane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2,4-Trichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2,4-Trimethylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dibromo-3-Chloropropane	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dibromoethane (EDB)	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dichloroethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,2-Dichloropropane	ND	*	1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,3,5-Trimethylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,3-Dichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,3-Dichloropropane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
1,4-Dichlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
2,2-Dichloropropane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
2-Butanone (MEK)	ND		44.2		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
2-Chlorotoluene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
2-Hexanone	ND		44.2		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
4-Chlorotoluene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
4-Methyl-2-pentanone (MIBK)	ND	*	44.2		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Acetone	ND		44.2		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Benzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromochloromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromodichloromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromoform	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Bromomethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Carbon disulfide	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Carbon tetrachloride	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chlorobenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chlorodibromomethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chloroethane	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chloroform	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Chloromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
cis-1,2-Dichloroethene	**29.6**		1.74		ug/Kg		03/23/13 19:06	03/29/13 12:21	1
cis-1,3-Dichloropropene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Dibromomethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Dichlorodifluoromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Ethylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Hexachlorobutadiene	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Isopropylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Methyl tert-butyl ether	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Methylene Chloride	ND		8.83		ug/Kg		03/23/13 19:06	03/28/13 12:30	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (40-42)
Date Collected: 03/20/13 10:40
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
n-Butylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
N-Propylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
p-Isopropyltoluene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
sec-Butylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Styrene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
tert-Butylbenzene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Tetrachloroethene	**44.3**		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Toluene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
trans-1,2-Dichloroethene	ND	*	1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
trans-1,3-Dichloropropene	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Trichloroethene	**1.93**		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Trichlorofluoromethane	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Vinyl chloride	ND		1.77		ug/Kg		03/23/13 19:06	03/28/13 12:30	1
Xylenes, Total	ND		4.42		ug/Kg		03/23/13 19:06	03/28/13 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:21*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:30*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:21*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:30*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:21*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:30*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:21*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (45-47)
Date Collected: 03/20/13 10:51
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-25
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1,1-Trichloroethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1,2-Trichloroethane	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1-Dichloroethane	ND	*	1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1-Dichloroethene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,1-Dichloropropene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2,3-Trichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2,3-Trichloropropane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2,4-Trichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2,4-Trimethylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dibromo-3-Chloropropane	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dibromoethane (EDB)	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dichloroethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,2-Dichloropropane	ND	*	1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,3,5-Trimethylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,3-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,3-Dichloropropane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
1,4-Dichlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
2,2-Dichloropropane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
2-Butanone (MEK)	ND		46.7		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
2-Chlorotoluene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
2-Hexanone	ND		46.7		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
4-Chlorotoluene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
4-Methyl-2-pentanone (MIBK)	ND	*	46.7		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Acetone	ND		46.7		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Benzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromochloromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromodichloromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromoform	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Bromomethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Carbon disulfide	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Carbon tetrachloride	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chlorobenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chlorodibromomethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chloroethane	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chloroform	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Chloromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
cis-1,2-Dichloroethene	ND		1.89		ug/Kg		03/23/13 19:06	03/29/13 12:52	1
cis-1,3-Dichloropropene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Dibromomethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Dichlorodifluoromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Ethylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Hexachlorobutadiene	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Isopropylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Methyl tert-butyl ether	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Methylene Chloride	ND		9.34		ug/Kg		03/23/13 19:06	03/28/13 13:00	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (45-47)
Date Collected: 03/20/13 10:51
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-25
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
n-Butylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
N-Propylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
p-Isopropyltoluene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
sec-Butylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Styrene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
tert-Butylbenzene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Tetrachloroethene	**32.4**		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Toluene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
trans-1,2-Dichloroethene	ND	*	1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
trans-1,3-Dichloropropene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Trichloroethene	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Trichlorofluoromethane	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Vinyl chloride	ND		1.87		ug/Kg		03/23/13 19:06	03/28/13 13:00	1
Xylenes, Total	ND		4.67		ug/Kg		03/23/13 19:06	03/28/13 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:52*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:00*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:52*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:00*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:52*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:00*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/29/13 12:52*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (50-52)
Date Collected: 03/20/13 11:05
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-26
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1,1-Trichloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1,2,2-Tetrachloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1,2-Trichloroethane	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1-Dichloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1-Dichloroethene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,1-Dichloropropene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2,3-Trichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2,3-Trichloropropane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2,4-Trichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2,4-Trimethylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dibromo-3-Chloropropane	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dibromoethane (EDB)	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dichloroethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,2-Dichloropropane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,3,5-Trimethylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,3-Dichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,3-Dichloropropane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
1,4-Dichlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
2,2-Dichloropropane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
2-Butanone (MEK)	ND		2220		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
2-Chlorotoluene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
2-Hexanone	ND		2220		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
4-Chlorotoluene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
4-Methyl-2-pentanone (MIBK)	ND	*	2220		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Acetone	ND		2220		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Benzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromochloromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromodichloromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromoform	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Bromomethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Carbon disulfide	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Carbon tetrachloride	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chlorobenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chlorodibromomethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chloroethane	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chloroform	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Chloromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
cis-1,2-Dichloroethene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
cis-1,3-Dichloropropene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Dibromomethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Dichlorodifluoromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Ethylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Hexachlorobutadiene	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Isopropylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Methyl tert-butyl ether	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Methylene Chloride	ND		443		ug/Kg		03/23/13 19:02	03/28/13 01:12	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (50-52)
Date Collected: 03/20/13 11:05
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**5480**		2220		ug/Kg		03/23/13 19:02	03/28/13 15:01	10
n-Butylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
N-Propylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
p-Isopropyltoluene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
sec-Butylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Styrene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
tert-Butylbenzene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Tetrachloroethene	**1440**		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Toluene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
trans-1,2-Dichloroethene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
trans-1,3-Dichloropropene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Trichloroethene	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Trichlorofluoromethane	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Vinyl chloride	ND		88.7		ug/Kg		03/23/13 19:02	03/28/13 01:12	1
Xylenes, Total	ND		222		ug/Kg		03/23/13 19:02	03/28/13 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*03/23/13 19:02*	*03/28/13 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/23/13 19:02*	*03/28/13 15:01*	*10*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/23/13 19:02*	*03/28/13 01:12*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/23/13 19:02*	*03/28/13 15:01*	*10*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:02*	*03/28/13 01:12*	*1*
Dibromofluoromethane (Surr)	*88*		*70 - 130*	*03/23/13 19:02*	*03/28/13 15:01*	*10*
Toluene-d8 (Surr)	*106*		*70 - 130*	*03/23/13 19:02*	*03/28/13 01:12*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*	*03/23/13 19:02*	*03/28/13 15:01*	*10*

Client Sample ID: MW-9 (55-57)
Date Collected: 03/20/13 11:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-27
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1,1-Trichloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1,2,2-Tetrachloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1,2-Trichloroethane	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1-Dichloroethane	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1-Dichloroethene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,1-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2,3-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2,3-Trichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2,4-Trichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2,4-Trimethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dibromo-3-Chloropropane	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dibromoethane (EDB)	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dichloroethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,2-Dichloropropane	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,3,5-Trimethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,3-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,3-Dichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
1,4-Dichlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
2,2-Dichloropropane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
2-Butanone (MEK)	ND		49.6		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
2-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
2-Hexanone	ND		49.6		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
4-Chlorotoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
4-Methyl-2-pentanone (MIBK)	ND	*	49.6		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Acetone	ND		49.6		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Benzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromochloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromodichloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromoform	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Bromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Carbon disulfide	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Carbon tetrachloride	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chlorobenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chlorodibromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chloroethane	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chloroform	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Chloromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
cis-1,2-Dichloroethene	**2.01**		1.87		ug/Kg		03/23/13 19:06	03/29/13 13:22	1
cis-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Dibromomethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Dichlorodifluoromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Ethylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Hexachlorobutadiene	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Isopropylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Methyl tert-butyl ether	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Methylene Chloride	ND		9.92		ug/Kg		03/23/13 19:06	03/28/13 13:30	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (55-57)
Date Collected: 03/20/13 11:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
n-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
N-Propylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
p-Isopropyltoluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
sec-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Styrene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
tert-Butylbenzene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Tetrachloroethene	**23.8**		1.87		ug/Kg		03/23/13 19:06	03/29/13 13:22	1
Toluene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
trans-1,2-Dichloroethene	ND	*	1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
trans-1,3-Dichloropropene	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Trichloroethene	**7.70**		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Trichlorofluoromethane	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Vinyl chloride	ND		1.98		ug/Kg		03/23/13 19:06	03/28/13 13:30	1
Xylenes, Total	ND		4.96		ug/Kg		03/23/13 19:06	03/28/13 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:22*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:30*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:22*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:30*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:22*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*	*03/23/13 19:06*	*03/28/13 13:30*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:22*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (60-62)
Date Collected: 03/20/13 12:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-28
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1,1-Trichloroethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1,2,2-Tetrachloroethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1,2-Trichloroethane	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1-Dichloroethane	ND	*	1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1-Dichloroethene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,1-Dichloropropene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2,3-Trichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2,3-Trichloropropane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2,4-Trichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2,4-Trimethylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dibromo-3-Chloropropane	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dibromoethane (EDB)	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dichloroethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,2-Dichloropropane	ND	*	1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,3,5-Trimethylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,3-Dichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,3-Dichloropropane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
1,4-Dichlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
2,2-Dichloropropane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
2-Butanone (MEK)	ND		44.7		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
2-Chlorotoluene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
2-Hexanone	ND		44.7		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
4-Chlorotoluene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
4-Methyl-2-pentanone (MIBK)	ND	*	44.7		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Acetone	ND		44.7		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Benzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromochloromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromodichloromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromoform	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Bromomethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Carbon disulfide	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Carbon tetrachloride	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chlorobenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chlorodibromomethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chloroethane	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chloroform	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Chloromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
cis-1,2-Dichloroethene	ND		1.70		ug/Kg		03/23/13 19:06	03/29/13 13:52	1
cis-1,3-Dichloropropene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Dibromomethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Dichlorodifluoromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Ethylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Hexachlorobutadiene	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Isopropylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Methyl tert-butyl ether	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Methylene Chloride	ND		8.94		ug/Kg		03/23/13 19:06	03/28/13 14:01	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (60-62)
Date Collected: 03/20/13 12:20
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
n-Butylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
N-Propylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
p-Isopropyltoluene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
sec-Butylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Styrene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
tert-Butylbenzene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Tetrachloroethene	**64.7**		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Toluene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
trans-1,2-Dichloroethene	ND	*	1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
trans-1,3-Dichloropropene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Trichloroethene	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Trichlorofluoromethane	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Vinyl chloride	ND		1.79		ug/Kg		03/23/13 19:06	03/28/13 14:01	1
Xylenes, Total	ND		4.47		ug/Kg		03/23/13 19:06	03/28/13 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:52*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:01*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:52*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:01*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:52*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:01*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/29/13 13:52*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (65-67)
Date Collected: 03/20/13 12:30
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-29
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1,1-Trichloroethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1,2,2-Tetrachloroethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1,2-Trichloroethane	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1-Dichloroethane	ND	*	1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1-Dichloroethene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,1-Dichloropropene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2,3-Trichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2,3-Trichloropropane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2,4-Trichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2,4-Trimethylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dibromo-3-Chloropropane	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dibromoethane (EDB)	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dichloroethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,2-Dichloropropane	ND	*	1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,3,5-Trimethylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,3-Dichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,3-Dichloropropane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
1,4-Dichlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
2,2-Dichloropropane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
2-Butanone (MEK)	ND		40.7		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
2-Chlorotoluene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
2-Hexanone	ND		40.7		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
4-Chlorotoluene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
4-Methyl-2-pentanone (MIBK)	ND	*	40.7		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Acetone	ND		40.7		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Benzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromochloromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromodichloromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromoform	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Bromomethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Carbon disulfide	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Carbon tetrachloride	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chlorobenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chlorodibromomethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chloroethane	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chloroform	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Chloromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
cis-1,2-Dichloroethene	ND	*	1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
cis-1,3-Dichloropropene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Dibromomethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Dichlorodifluoromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Ethylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Hexachlorobutadiene	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Isopropylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Methyl tert-butyl ether	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Methylene Chloride	ND		8.14		ug/Kg		03/23/13 19:06	03/28/13 14:31	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (65-67)
Date Collected: 03/20/13 12:30
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
n-Butylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
N-Propylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
p-Isopropyltoluene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
sec-Butylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Styrene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
tert-Butylbenzene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Tetrachloroethene	**21.9**		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Toluene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
trans-1,2-Dichloroethene	ND	*	1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
trans-1,3-Dichloropropene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Trichloroethene	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Trichlorofluoromethane	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Vinyl chloride	ND		1.63		ug/Kg		03/23/13 19:06	03/28/13 14:31	1
Xylenes, Total	ND		4.07		ug/Kg		03/23/13 19:06	03/28/13 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:31*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:31*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:31*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*03/23/13 19:06*	*03/28/13 14:31*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 03/19/13 00:01
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-30
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1-Dichloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1-Dichloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,1-Dichloropropene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dichloroethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,2-Dichloropropane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,3-Dichloropropane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
2,2-Dichloropropane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
2-Butanone (MEK)	ND		50.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
2-Chlorotoluene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
2-Hexanone	ND		50.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
4-Chlorotoluene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Acetone	ND		50.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Benzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromochloromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromodichloromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromoform	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Bromomethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Carbon disulfide	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Carbon tetrachloride	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chlorobenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chlorodibromomethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chloroethane	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chloroform	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Chloromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Dibromomethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Dichlorodifluoromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Ethylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Hexachlorobutadiene	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Isopropylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Methyl tert-butyl ether	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Methylene Chloride	ND		10.0		ug/Kg		03/23/13 19:06	03/28/13 12:34	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 03/19/13 00:01
Date Received: 03/22/13 08:00

Lab Sample ID: 490-22570-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
n-Butylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
N-Propylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
p-Isopropyltoluene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
sec-Butylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Styrene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
tert-Butylbenzene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Tetrachloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Toluene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Trichloroethene	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Trichlorofluoromethane	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Vinyl chloride	ND		2.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1
Xylenes, Total	ND		5.00		ug/Kg		03/23/13 19:06	03/28/13 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:34*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:34*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:34*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/23/13 19:06*	*03/28/13 12:34*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-22570-16 MS
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: MW-10 (70-72)
Prep Type: Total/NA
Prep Batch: 67338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		42200	44770		ug/Kg		106	19 - 158
1,1,1-Trichloroethane	ND		42200	51770		ug/Kg		123	35 - 149
1,1,2,2-Tetrachloroethane	ND		42200	38590		ug/Kg		91	10 - 162
1,1,2-Trichloroethane	ND		42200	44590		ug/Kg		106	19 - 157
1,1-Dichloroethane	ND		42200	50270		ug/Kg		119	42 - 136
1,1-Dichloroethene	ND		42200	60210		ug/Kg		143	41 - 143
1,1-Dichloropropene	ND		42200	52530		ug/Kg		124	38 - 145
1,2,3-Trichlorobenzene	ND		42200	53700		ug/Kg		127	10 - 157
1,2,3-Trichloropropane	ND		42200	36340		ug/Kg		86	10 - 157
1,2,4-Trichlorobenzene	ND		42200	56940		ug/Kg		135	10 - 167
1,2,4-Trimethylbenzene	ND		42200	42690		ug/Kg		101	14 - 165
1,2-Dibromo-3-Chloropropane	ND		42200	36120		ug/Kg		86	10 - 147
1,2-Dibromoethane (EDB)	ND		42200	47570		ug/Kg		113	18 - 156
1,2-Dichlorobenzene	ND		42200	45470		ug/Kg		108	10 - 160
1,2-Dichloroethane	ND		42200	51400		ug/Kg		122	28 - 138
1,2-Dichloropropane	ND		42200	45460		ug/Kg		108	20 - 146
1,3,5-Trimethylbenzene	ND		42200	42910		ug/Kg		102	18 - 164
1,3-Dichlorobenzene	ND		42200	45970		ug/Kg		109	10 - 162
1,3-Dichloropropane	ND		42200	44430		ug/Kg		105	22 - 148
1,4-Dichlorobenzene	ND		42200	46600		ug/Kg		110	11 - 159
2,2-Dichloropropane	ND		42200	47930		ug/Kg		114	33 - 148
2-Butanone (MEK)	ND		211000	265500		ug/Kg		126	18 - 153
2-Chlorotoluene	ND		42200	40620		ug/Kg		96	20 - 156
2-Hexanone	ND		211000	202700		ug/Kg		96	10 - 169
4-Chlorotoluene	ND		42200	42230		ug/Kg		100	17 - 159
4-Methyl-2-pentanone (MIBK)	ND		211000	218300		ug/Kg		103	10 - 168
Acetone	ND		211000	312000		ug/Kg		148	19 - 175
Benzene	ND		42200	50210		ug/Kg		119	31 - 143
Bromobenzene	ND		42200	39500		ug/Kg		94	12 - 157
Bromochloromethane	ND		42200	54200		ug/Kg		128	31 - 141
Bromodichloromethane	ND		42200	49660		ug/Kg		118	19 - 148
Bromoform	ND		42200	39320		ug/Kg		93	10 - 165
Bromomethane	ND		42200	44400		ug/Kg		105	10 - 164
Carbon disulfide	ND		42200	42630		ug/Kg		101	32 - 144
Carbon tetrachloride	ND		42200	49550		ug/Kg		117	31 - 149
Chlorobenzene	ND		42200	47300		ug/Kg		112	25 - 152
Chlorodibromomethane	ND		42200	44210		ug/Kg		105	14 - 146
Chloroethane	ND		42200	44000		ug/Kg		104	10 - 151
Chloroform	ND		42200	50030		ug/Kg		118	34 - 160
Chloromethane	ND		42200	38500		ug/Kg		91	10 - 156
cis-1,2-Dichloroethene	ND		42200	48460		ug/Kg		115	36 - 139
cis-1,3-Dichloropropene	ND		42200	44640		ug/Kg		106	15 - 166
Dibromomethane	ND		42200	51280		ug/Kg		121	20 - 146
Dichlorodifluoromethane	ND		42200	57140		ug/Kg		135	10 - 143
Ethylbenzene	ND		42200	46670		ug/Kg		111	23 - 161
Hexachlorobutadiene	ND		42200	50340		ug/Kg		119	10 - 171
Isopropylbenzene	ND		42200	46950		ug/Kg		111	23 - 181
Methyl tert-butyl ether	ND		42200	49740		ug/Kg		118	28 - 141

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

Lab Sample ID: 490-22570-16 MS | **Client Sample ID: MW-10 (70-72)**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 67975 | **Prep Batch: 67338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	ND		42200	54120		ug/Kg		128	24 - 182
Naphthalene	ND		42200	44970		ug/Kg		106	10 - 176
n-Butylbenzene	ND		42200	46540		ug/Kg		110	10 - 175
N-Propylbenzene	ND		42200	42540		ug/Kg		101	19 - 162
p-Isopropyltoluene	ND		42200	44810		ug/Kg		106	12 - 168
sec-Butylbenzene	ND		42200	43230		ug/Kg		102	12 - 170
Styrene	ND		42200	47220		ug/Kg		112	10 - 165
tert-Butylbenzene	ND		42200	42210		ug/Kg		100	20 - 164
Tetrachloroethene	ND		42200	55100		ug/Kg		130	33 - 161
Toluene	ND		42200	49600		ug/Kg		117	30 - 155
trans-1,2-Dichloroethene	ND		42200	53450		ug/Kg		127	39 - 140
trans-1,3-Dichloropropene	ND		42200	40250		ug/Kg		95	10 - 157
Trichloroethene	ND		42200	55860		ug/Kg		132	27 - 153
Trichlorofluoromethane	ND		42200	52470		ug/Kg		124	25 - 140
Vinyl chloride	ND		42200	47730		ug/Kg		113	20 - 141
Xylenes, Total	ND		127000	139400		ug/Kg		110	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-22570-16 MSD | **Client Sample ID: MW-10 (70-72)**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 67975 | **Prep Batch: 67338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		42200	37920		ug/Kg		90	19 - 158	17	50
1,1,1-Trichloroethane	ND		42200	44050		ug/Kg		104	35 - 149	16	50
1,1,2,2-Tetrachloroethane	ND		42200	31320		ug/Kg		74	10 - 162	21	50
1,1,2-Trichloroethane	ND		42200	37440		ug/Kg		89	19 - 157	17	50
1,1-Dichloroethane	ND		42200	43080		ug/Kg		102	42 - 136	15	50
1,1-Dichloroethene	ND		42200	50890		ug/Kg		121	41 - 143	17	50
1,1-Dichloropropene	ND		42200	44790		ug/Kg		106	38 - 145	16	50
1,2,3-Trichlorobenzene	ND		42200	45720		ug/Kg		108	10 - 157	16	50
1,2,3-Trichloropropane	ND		42200	28950		ug/Kg		69	10 - 157	23	50
1,2,4-Trichlorobenzene	ND		42200	48700		ug/Kg		115	10 - 167	16	50
1,2,4-Trimethylbenzene	ND		42200	36190		ug/Kg		86	14 - 165	16	50
1,2-Dibromo-3-Chloropropane	ND		42200	27420		ug/Kg		65	10 - 147	27	50
1,2-Dibromoethane (EDB)	ND		42200	39210		ug/Kg		93	18 - 156	19	50
1,2-Dichlorobenzene	ND		42200	38700		ug/Kg		92	10 - 160	16	50
1,2-Dichloroethane	ND		42200	43670		ug/Kg		103	28 - 138	16	50
1,2-Dichloropropane	ND		42200	39020		ug/Kg		92	20 - 146	15	50
1,3,5-Trimethylbenzene	ND		42200	36510		ug/Kg		86	18 - 164	16	50
1,3-Dichlorobenzene	ND		42200	39510		ug/Kg		94	10 - 162	15	50
1,3-Dichloropropane	ND		42200	37010		ug/Kg		88	22 - 148	18	42
1,4-Dichlorobenzene	ND		42200	39090		ug/Kg		93	11 - 159	18	50

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

Lab Sample ID: 490-22570-16 MSD
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: MW-10 (70-72)
Prep Type: Total/NA
Prep Batch: 67338

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2-Dichloropropane	ND		42200	40880		ug/Kg		97	33 - 148	16	50
2-Butanone (MEK)	ND		211000	197100		ug/Kg		93	18 - 153	30	50
2-Chlorotoluene	ND		42200	34880		ug/Kg		83	20 - 156	15	50
2-Hexanone	ND		211000	150900		ug/Kg		71	10 - 169	29	50
4-Chlorotoluene	ND		42200	36040		ug/Kg		85	17 - 159	16	50
4-Methyl-2-pentanone (MIBK)	ND		211000	165900		ug/Kg		79	10 - 168	27	50
Acetone	ND		211000	225300		ug/Kg		107	19 - 175	32	50
Benzene	ND		42200	42770		ug/Kg		101	31 - 143	16	50
Bromobenzene	ND		42200	33230		ug/Kg		79	12 - 157	17	50
Bromochloromethane	ND		42200	46450		ug/Kg		110	31 - 141	15	50
Bromodichloromethane	ND		42200	42310		ug/Kg		100	19 - 148	16	50
Bromoform	ND		42200	32060		ug/Kg		76	10 - 165	20	50
Bromomethane	ND		42200	48760		ug/Kg		115	10 - 164	9	50
Carbon disulfide	ND		42200	36590		ug/Kg		87	32 - 144	15	50
Carbon tetrachloride	ND		42200	42460		ug/Kg		101	31 - 149	15	50
Chlorobenzene	ND		42200	39930		ug/Kg		95	25 - 152	17	50
Chlorodibromomethane	ND		42200	37100		ug/Kg		88	14 - 146	17	50
Chloroethane	ND		42200	43100		ug/Kg		102	10 - 151	2	50
Chloroform	ND		42200	42820		ug/Kg		101	34 - 160	16	49
Chloromethane	ND		42200	34390		ug/Kg		81	10 - 156	11	50
cis-1,2-Dichloroethene	ND		42200	41230		ug/Kg		98	36 - 139	16	50
cis-1,3-Dichloropropene	ND		42200	37660		ug/Kg		89	15 - 166	17	50
Dibromomethane	ND		42200	42660		ug/Kg		101	20 - 146	18	50
Dichlorodifluoromethane	ND		42200	50260		ug/Kg		119	10 - 143	13	50
Ethylbenzene	ND		42200	39180		ug/Kg		93	23 - 161	17	50
Hexachlorobutadiene	ND		42200	42780		ug/Kg		101	10 - 171	16	50
Isopropylbenzene	ND		42200	39680		ug/Kg		94	23 - 181	17	50
Methyl tert-butyl ether	ND		42200	41660		ug/Kg		99	28 - 141	18	50
Methylene Chloride	ND		42200	46590		ug/Kg		110	24 - 182	15	50
Naphthalene	ND		42200	36520		ug/Kg		86	10 - 176	21	50
n-Butylbenzene	ND		42200	39570		ug/Kg		94	10 - 175	16	50
N-Propylbenzene	ND		42200	36030		ug/Kg		85	19 - 162	17	50
p-Isopropyltoluene	ND		42200	38030		ug/Kg		90	12 - 168	16	50
sec-Butylbenzene	ND		42200	36920		ug/Kg		87	12 - 170	16	50
Styrene	ND		42200	39960		ug/Kg		95	10 - 165	17	50
tert-Butylbenzene	ND		42200	35910		ug/Kg		85	20 - 164	16	50
Tetrachloroethene	ND		42200	46490		ug/Kg		110	33 - 161	17	50
Toluene	ND		42200	40210		ug/Kg		95	30 - 155	21	50
trans-1,2-Dichloroethene	ND		42200	44820		ug/Kg		106	39 - 140	18	50
trans-1,3-Dichloropropene	ND		42200	33210		ug/Kg		79	10 - 157	19	50
Trichloroethene	ND		42200	47290		ug/Kg		112	27 - 153	17	50
Trichlorofluoromethane	ND		42200	44900		ug/Kg		106	25 - 140	16	50
Vinyl chloride	ND		42200	40270		ug/Kg		95	20 - 141	17	50
Xylenes, Total	ND		127000	117700		ug/Kg		93	25 - 162	17	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: 490-22570-16 MSD
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: MW-10 (70-72)
Prep Type: Total/NA
Prep Batch: 67338

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 490-67975/7
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/27/13 00:43	1
1,1-Dichloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,1-Dichloroethene	ND		100		ug/Kg			03/27/13 00:43	1
1,1-Dichloropropene	ND		100		ug/Kg			03/27/13 00:43	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/27/13 00:43	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/27/13 00:43	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/27/13 00:43	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,2-Dichloroethane	ND		100		ug/Kg			03/27/13 00:43	1
1,2-Dichloropropane	ND		100		ug/Kg			03/27/13 00:43	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
1,3-Dichloropropane	ND		100		ug/Kg			03/27/13 00:43	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
2,2-Dichloropropane	ND		100		ug/Kg			03/27/13 00:43	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/27/13 00:43	1
2-Chlorotoluene	ND		100		ug/Kg			03/27/13 00:43	1
2-Hexanone	ND		2500		ug/Kg			03/27/13 00:43	1
4-Chlorotoluene	ND		100		ug/Kg			03/27/13 00:43	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/27/13 00:43	1
Acetone	ND		2500		ug/Kg			03/27/13 00:43	1
Benzene	ND		100		ug/Kg			03/27/13 00:43	1
Bromobenzene	ND		100		ug/Kg			03/27/13 00:43	1
Bromochloromethane	ND		100		ug/Kg			03/27/13 00:43	1
Bromodichloromethane	ND		100		ug/Kg			03/27/13 00:43	1
Bromoform	ND		100		ug/Kg			03/27/13 00:43	1
Bromomethane	ND		100		ug/Kg			03/27/13 00:43	1
Carbon disulfide	ND		250		ug/Kg			03/27/13 00:43	1
Carbon tetrachloride	ND		100		ug/Kg			03/27/13 00:43	1
Chlorobenzene	ND		100		ug/Kg			03/27/13 00:43	1
Chlorodibromomethane	ND		100		ug/Kg			03/27/13 00:43	1
Chloroethane	ND		250		ug/Kg			03/27/13 00:43	1
Chloroform	ND		100		ug/Kg			03/27/13 00:43	1
Chloromethane	ND		100		ug/Kg			03/27/13 00:43	1

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

Lab Sample ID: MB 490-67975/7
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 00:43	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 00:43	1
Dibromomethane	ND		100		ug/Kg			03/27/13 00:43	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/27/13 00:43	1
Ethylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
Hexachlorobutadiene	ND		250		ug/Kg			03/27/13 00:43	1
Isopropylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/27/13 00:43	1
Methylene Chloride	ND		500		ug/Kg			03/27/13 00:43	1
Naphthalene	ND		250		ug/Kg			03/27/13 00:43	1
n-Butylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
N-Propylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
p-Isopropyltoluene	ND		100		ug/Kg			03/27/13 00:43	1
sec-Butylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
Styrene	ND		100		ug/Kg			03/27/13 00:43	1
tert-Butylbenzene	ND		100		ug/Kg			03/27/13 00:43	1
Tetrachloroethene	ND		100		ug/Kg			03/27/13 00:43	1
Toluene	ND		100		ug/Kg			03/27/13 00:43	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 00:43	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 00:43	1
Trichloroethene	ND		100		ug/Kg			03/27/13 00:43	1
Trichlorofluoromethane	ND		100		ug/Kg			03/27/13 00:43	1
Vinyl chloride	ND		100		ug/Kg			03/27/13 00:43	1
Xylenes, Total	ND		250		ug/Kg			03/27/13 00:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/27/13 00:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/27/13 00:43*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/27/13 00:43*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/27/13 00:43*	*1*

Lab Sample ID: LCS 490-67975/3
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	46.28		ug/Kg		93	80 - 136
1,1,1-Trichloroethane	50.0	53.78		ug/Kg		108	72 - 140
1,1,2,2-Tetrachloroethane	50.0	45.31		ug/Kg		91	66 - 134
1,1,2-Trichloroethane	50.0	46.72		ug/Kg		93	78 - 128
1,1-Dichloroethane	50.0	51.84		ug/Kg		104	75 - 124
1,1-Dichloroethene	50.0	60.44		ug/Kg		121	75 - 131
1,1-Dichloropropene	50.0	51.98		ug/Kg		104	79 - 127
1,2,3-Trichlorobenzene	50.0	50.76		ug/Kg		102	70 - 150
1,2,3-Trichloropropane	50.0	41.80		ug/Kg		84	65 - 139
1,2,4-Trichlorobenzene	50.0	50.30		ug/Kg		101	62 - 150
1,2,4-Trimethylbenzene	50.0	42.57		ug/Kg		85	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	46.73		ug/Kg		93	49 - 142

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

Lab Sample ID: LCS 490-67975/3
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	50.0	50.45		ug/Kg		101	80 - 135
1,2-Dichlorobenzene	50.0	45.72		ug/Kg		91	80 - 134
1,2-Dichloroethane	50.0	53.04		ug/Kg		106	65 - 134
1,2-Dichloropropane	50.0	47.05		ug/Kg		94	69 - 120
1,3,5-Trimethylbenzene	50.0	42.74		ug/Kg		85	78 - 138
1,3-Dichlorobenzene	50.0	45.34		ug/Kg		91	79 - 137
1,3-Dichloropropane	50.0	46.49		ug/Kg		93	78 - 126
1,4-Dichlorobenzene	50.0	44.18		ug/Kg		88	77 - 139
2,2-Dichloropropane	50.0	48.40		ug/Kg		97	68 - 145
2-Butanone (MEK)	250	295.1		ug/Kg		118	61 - 132
2-Chlorotoluene	50.0	41.56		ug/Kg		83	78 - 132
2-Hexanone	250	249.9		ug/Kg		100	57 - 148
4-Chlorotoluene	50.0	41.51		ug/Kg		83	77 - 138
4-Methyl-2-pentanone (MIBK)	250	262.6		ug/Kg		105	59 - 138
Acetone	250	260.9		ug/Kg		104	51 - 149
Benzene	50.0	51.31		ug/Kg		103	75 - 127
Bromobenzene	50.0	42.05		ug/Kg		84	75 - 130
Bromochloromethane	50.0	56.15		ug/Kg		112	70 - 132
Bromodichloromethane	50.0	50.68		ug/Kg		101	68 - 135
Bromoform	50.0	41.43		ug/Kg		83	36 - 150
Bromomethane	50.0	62.49		ug/Kg		125	43 - 142
Carbon disulfide	50.0	43.18		ug/Kg		86	74 - 135
Carbon tetrachloride	50.0	49.92		ug/Kg		100	70 - 141
Chlorobenzene	50.0	47.39		ug/Kg		95	84 - 125
Chlorodibromomethane	50.0	44.65		ug/Kg		89	66 - 134
Chloroethane	50.0	52.21		ug/Kg		104	53 - 144
Chloroform	50.0	51.64		ug/Kg		103	76 - 130
Chloromethane	50.0	38.08		ug/Kg		76	23 - 150
cis-1,2-Dichloroethene	50.0	49.41		ug/Kg		99	75 - 125
cis-1,3-Dichloropropene	50.0	45.32		ug/Kg		91	73 - 148
Dibromomethane	50.0	52.84		ug/Kg		106	71 - 130
Dichlorodifluoromethane	50.0	51.09		ug/Kg		102	12 - 144
Ethylbenzene	50.0	46.34		ug/Kg		93	80 - 134
Hexachlorobutadiene	50.0	46.75		ug/Kg		94	65 - 148
Isopropylbenzene	50.0	47.07		ug/Kg		94	80 - 150
Methyl tert-butyl ether	50.0	51.87		ug/Kg		104	70 - 136
Methylene Chloride	50.0	54.00		ug/Kg		108	68 - 144
Naphthalene	50.0	49.40		ug/Kg		99	69 - 150
n-Butylbenzene	50.0	42.96		ug/Kg		86	72 - 152
N-Propylbenzene	50.0	41.94		ug/Kg		84	75 - 137
p-Isopropyltoluene	50.0	42.29		ug/Kg		85	77 - 141
sec-Butylbenzene	50.0	43.00		ug/Kg		86	79 - 141
Styrene	50.0	47.30		ug/Kg		95	82 - 137
tert-Butylbenzene	50.0	43.37		ug/Kg		87	80 - 132
Tetrachloroethene	50.0	53.37		ug/Kg		107	78 - 140
Toluene	50.0	47.70		ug/Kg		95	80 - 132
trans-1,2-Dichloroethene	50.0	53.82		ug/Kg		108	76 - 128
trans-1,3-Dichloropropene	50.0	40.37		ug/Kg		81	62 - 139

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

Lab Sample ID: LCS 490-67975/3
Matrix: Solid
Analysis Batch: 67975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	55.79		ug/Kg		112	77 - 127
Trichlorofluoromethane	50.0	51.06		ug/Kg		102	50 - 140
Vinyl chloride	50.0	46.14		ug/Kg		92	47 - 136
Xylenes, Total	150	138.6		ug/Kg		92	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 490-68052/6
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/27/13 13:15	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/27/13 13:15	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/27/13 13:15	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/27/13 13:15	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/27/13 13:15	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/27/13 13:15	1
2-Hexanone	ND		50.0		ug/Kg			03/27/13 13:15	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/27/13 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/27/13 13:15	1
Acetone	ND		50.0		ug/Kg			03/27/13 13:15	1
Benzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Bromobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Bromochloromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Bromodichloromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Bromoform	ND		2.00		ug/Kg			03/27/13 13:15	1

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

Lab Sample ID: MB 490-68052/6
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Carbon disulfide	ND		5.00		ug/Kg			03/27/13 13:15	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/27/13 13:15	1
Chlorobenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Chloroethane	ND		5.00		ug/Kg			03/27/13 13:15	1
Chloroform	ND		2.00		ug/Kg			03/27/13 13:15	1
Chloromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/27/13 13:15	1
Dibromomethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Ethylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/27/13 13:15	1
Isopropylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/27/13 13:15	1
Methylene Chloride	ND		10.0		ug/Kg			03/27/13 13:15	1
Naphthalene	ND		5.00		ug/Kg			03/27/13 13:15	1
n-Butylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
N-Propylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/27/13 13:15	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Styrene	ND		2.00		ug/Kg			03/27/13 13:15	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/27/13 13:15	1
Tetrachloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
Toluene	ND		2.00		ug/Kg			03/27/13 13:15	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/27/13 13:15	1
Trichloroethene	ND		2.00		ug/Kg			03/27/13 13:15	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/27/13 13:15	1
Vinyl chloride	ND		2.00		ug/Kg			03/27/13 13:15	1
Xylenes, Total	ND		5.00		ug/Kg			03/27/13 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/27/13 13:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/27/13 13:15*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/27/13 13:15*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/27/13 13:15*	*1*

Lab Sample ID: MB 490-68052/7
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/27/13 13:46	1

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

Lab Sample ID: MB 490-68052/7
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,1-Dichloroethene	ND		100		ug/Kg			03/27/13 13:46	1
1,1-Dichloropropene	ND		100		ug/Kg			03/27/13 13:46	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/27/13 13:46	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/27/13 13:46	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/27/13 13:46	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,2-Dichloroethane	ND		100		ug/Kg			03/27/13 13:46	1
1,2-Dichloropropane	ND		100		ug/Kg			03/27/13 13:46	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
1,3-Dichloropropane	ND		100		ug/Kg			03/27/13 13:46	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
2,2-Dichloropropane	ND		100		ug/Kg			03/27/13 13:46	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/27/13 13:46	1
2-Chlorotoluene	ND		100		ug/Kg			03/27/13 13:46	1
2-Hexanone	ND		2500		ug/Kg			03/27/13 13:46	1
4-Chlorotoluene	ND		100		ug/Kg			03/27/13 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/27/13 13:46	1
Acetone	ND		2500		ug/Kg			03/27/13 13:46	1
Benzene	ND		100		ug/Kg			03/27/13 13:46	1
Bromobenzene	ND		100		ug/Kg			03/27/13 13:46	1
Bromochloromethane	ND		100		ug/Kg			03/27/13 13:46	1
Bromodichloromethane	ND		100		ug/Kg			03/27/13 13:46	1
Bromoform	ND		100		ug/Kg			03/27/13 13:46	1
Bromomethane	ND		100		ug/Kg			03/27/13 13:46	1
Carbon disulfide	ND		250		ug/Kg			03/27/13 13:46	1
Carbon tetrachloride	ND		100		ug/Kg			03/27/13 13:46	1
Chlorobenzene	ND		100		ug/Kg			03/27/13 13:46	1
Chlorodibromomethane	ND		100		ug/Kg			03/27/13 13:46	1
Chloroethane	ND		250		ug/Kg			03/27/13 13:46	1
Chloroform	ND		100		ug/Kg			03/27/13 13:46	1
Chloromethane	ND		100		ug/Kg			03/27/13 13:46	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 13:46	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 13:46	1
Dibromomethane	ND		100		ug/Kg			03/27/13 13:46	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/27/13 13:46	1
Ethylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
Hexachlorobutadiene	ND		250		ug/Kg			03/27/13 13:46	1
Isopropylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/27/13 13:46	1
Methylene Chloride	ND		500		ug/Kg			03/27/13 13:46	1
Naphthalene	ND		250		ug/Kg			03/27/13 13:46	1
n-Butylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
N-Propylbenzene	ND		100		ug/Kg			03/27/13 13:46	1

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

Lab Sample ID: MB 490-68052/7
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		100		ug/Kg			03/27/13 13:46	1
sec-Butylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
Styrene	ND		100		ug/Kg			03/27/13 13:46	1
tert-Butylbenzene	ND		100		ug/Kg			03/27/13 13:46	1
Tetrachloroethene	ND		100		ug/Kg			03/27/13 13:46	1
Toluene	ND		100		ug/Kg			03/27/13 13:46	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 13:46	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 13:46	1
Trichloroethene	ND		100		ug/Kg			03/27/13 13:46	1
Trichlorofluoromethane	ND		100		ug/Kg			03/27/13 13:46	1
Vinyl chloride	ND		100		ug/Kg			03/27/13 13:46	1
Xylenes, Total	ND		250		ug/Kg			03/27/13 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/27/13 13:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/27/13 13:46*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/27/13 13:46*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/27/13 13:46*	*1*

Lab Sample ID: LCS 490-68052/3
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.52		ug/Kg		97	80 - 136
1,1,1-Trichloroethane	50.0	56.47		ug/Kg		113	72 - 140
1,1,2,2-Tetrachloroethane	50.0	45.61		ug/Kg		91	66 - 134
1,1,2-Trichloroethane	50.0	49.58		ug/Kg		99	78 - 128
1,1-Dichloroethane	50.0	54.44		ug/Kg		109	75 - 124
1,1-Dichloroethene	50.0	63.61		ug/Kg		127	75 - 131
1,1-Dichloropropene	50.0	54.40		ug/Kg		109	79 - 127
1,2,3-Trichlorobenzene	50.0	54.81		ug/Kg		110	70 - 150
1,2,3-Trichloropropane	50.0	43.51		ug/Kg		87	65 - 139
1,2,4-Trichlorobenzene	50.0	54.87		ug/Kg		110	62 - 150
1,2,4-Trimethylbenzene	50.0	43.18		ug/Kg		86	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	49.06		ug/Kg		98	49 - 142
1,2-Dibromoethane (EDB)	50.0	53.87		ug/Kg		108	80 - 135
1,2-Dichlorobenzene	50.0	47.41		ug/Kg		95	80 - 134
1,2-Dichloroethane	50.0	56.58		ug/Kg		113	65 - 134
1,2-Dichloropropane	50.0	49.22		ug/Kg		98	69 - 120
1,3,5-Trimethylbenzene	50.0	43.67		ug/Kg		87	78 - 138
1,3-Dichlorobenzene	50.0	46.83		ug/Kg		94	79 - 137
1,3-Dichloropropane	50.0	48.98		ug/Kg		98	78 - 126
1,4-Dichlorobenzene	50.0	46.88		ug/Kg		94	77 - 139
2,2-Dichloropropane	50.0	51.15		ug/Kg		102	68 - 145
2-Butanone (MEK)	250	305.9		ug/Kg		122	61 - 132
2-Chlorotoluene	50.0	42.23		ug/Kg		84	78 - 132
2-Hexanone	250	256.6		ug/Kg		103	57 - 148

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

Lab Sample ID: LCS 490-68052/3
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	43.31		ug/Kg		87	77 - 138
4-Methyl-2-pentanone (MIBK)	250	273.0		ug/Kg		109	59 - 138
Acetone	250	267.8		ug/Kg		107	51 - 149
Benzene	50.0	53.84		ug/Kg		108	75 - 127
Bromobenzene	50.0	43.09		ug/Kg		86	75 - 130
Bromochloromethane	50.0	59.78		ug/Kg		120	70 - 132
Bromodichloromethane	50.0	54.32		ug/Kg		109	68 - 135
Bromoform	50.0	46.28		ug/Kg		93	36 - 150
Bromomethane	50.0	68.50		ug/Kg		137	43 - 142
Carbon disulfide	50.0	45.84		ug/Kg		92	74 - 135
Carbon tetrachloride	50.0	53.98		ug/Kg		108	70 - 141
Chlorobenzene	50.0	49.14		ug/Kg		98	84 - 125
Chlorodibromomethane	50.0	49.06		ug/Kg		98	66 - 134
Chloroethane	50.0	56.02		ug/Kg		112	53 - 144
Chloroform	50.0	54.21		ug/Kg		108	76 - 130
Chloromethane	50.0	40.50		ug/Kg		81	23 - 150
cis-1,2-Dichloroethene	50.0	51.88		ug/Kg		104	75 - 125
cis-1,3-Dichloropropene	50.0	47.91		ug/Kg		96	73 - 148
Dibromomethane	50.0	57.29		ug/Kg		115	71 - 130
Dichlorodifluoromethane	50.0	56.01		ug/Kg		112	12 - 144
Ethylbenzene	50.0	47.94		ug/Kg		96	80 - 134
Hexachlorobutadiene	50.0	49.57		ug/Kg		99	65 - 148
Isopropylbenzene	50.0	48.28		ug/Kg		97	80 - 150
Methyl tert-butyl ether	50.0	54.55		ug/Kg		109	70 - 136
Methylene Chloride	50.0	58.23		ug/Kg		116	68 - 144
Naphthalene	50.0	51.95		ug/Kg		104	69 - 150
n-Butylbenzene	50.0	44.44		ug/Kg		89	72 - 152
N-Propylbenzene	50.0	42.64		ug/Kg		85	75 - 137
p-Isopropyltoluene	50.0	43.42		ug/Kg		87	77 - 141
sec-Butylbenzene	50.0	44.09		ug/Kg		88	79 - 141
Styrene	50.0	48.64		ug/Kg		97	82 - 137
tert-Butylbenzene	50.0	44.03		ug/Kg		88	80 - 132
Tetrachloroethene	50.0	55.40		ug/Kg		111	78 - 140
Toluene	50.0	53.01		ug/Kg		106	80 - 132
trans-1,2-Dichloroethene	50.0	56.44		ug/Kg		113	76 - 128
trans-1,3-Dichloropropene	50.0	43.11		ug/Kg		86	62 - 139
Trichloroethene	50.0	58.45		ug/Kg		117	77 - 127
Trichlorofluoromethane	50.0	52.88		ug/Kg		106	50 - 140
Vinyl chloride	50.0	50.16		ug/Kg		100	47 - 136
Xylenes, Total	150	142.7		ug/Kg		95	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

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

Lab Sample ID: LCSD 490-68052/4
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	50.76		ug/Kg		102	80 - 136	5	50
1,1,1-Trichloroethane	50.0	61.09		ug/Kg		122	72 - 140	8	50
1,1,2,2-Tetrachloroethane	50.0	46.44		ug/Kg		93	66 - 134	2	50
1,1,2-Trichloroethane	50.0	49.20		ug/Kg		98	78 - 128	1	50
1,1-Dichloroethane	50.0	58.32		ug/Kg		117	75 - 124	7	50
1,1-Dichloroethene	50.0	69.11	*	ug/Kg		138	75 - 131	8	50
1,1-Dichloropropene	50.0	58.90		ug/Kg		118	79 - 127	8	50
1,2,3-Trichlorobenzene	50.0	54.55		ug/Kg		109	70 - 150	0	50
1,2,3-Trichloropropane	50.0	43.20		ug/Kg		86	65 - 139	1	50
1,2,4-Trichlorobenzene	50.0	55.91		ug/Kg		112	62 - 150	2	50
1,2,4-Trimethylbenzene	50.0	46.74		ug/Kg		93	77 - 139	8	50
1,2-Dibromo-3-Chloropropane	50.0	50.29		ug/Kg		101	49 - 142	2	50
1,2-Dibromoethane (EDB)	50.0	52.48		ug/Kg		105	80 - 135	3	50
1,2-Dichlorobenzene	50.0	49.09		ug/Kg		98	80 - 134	3	50
1,2-Dichloroethane	50.0	56.13		ug/Kg		112	65 - 134	1	50
1,2-Dichloropropane	50.0	50.99		ug/Kg		102	69 - 120	4	50
1,3,5-Trimethylbenzene	50.0	47.42		ug/Kg		95	78 - 138	8	50
1,3-Dichlorobenzene	50.0	49.71		ug/Kg		99	79 - 137	6	50
1,3-Dichloropropane	50.0	48.65		ug/Kg		97	78 - 126	1	42
1,4-Dichlorobenzene	50.0	50.02		ug/Kg		100	77 - 139	6	50
2,2-Dichloropropane	50.0	54.88		ug/Kg		110	68 - 145	7	50
2-Butanone (MEK)	250	329.6		ug/Kg		132	61 - 132	7	50
2-Chlorotoluene	50.0	46.15		ug/Kg		92	78 - 132	9	50
2-Hexanone	250	259.8		ug/Kg		104	57 - 148	1	50
4-Chlorotoluene	50.0	46.08		ug/Kg		92	77 - 138	6	50
4-Methyl-2-pentanone (MIBK)	250	271.0		ug/Kg		108	59 - 138	1	50
Acetone	250	296.2		ug/Kg		118	51 - 149	10	50
Benzene	50.0	57.99		ug/Kg		116	75 - 127	7	50
Bromobenzene	50.0	45.07		ug/Kg		90	75 - 130	5	50
Bromochloromethane	50.0	61.10		ug/Kg		122	70 - 132	2	50
Bromodichloromethane	50.0	55.31		ug/Kg		111	68 - 135	2	50
Bromoform	50.0	43.40		ug/Kg		87	36 - 150	6	50
Bromomethane	50.0	74.77	*	ug/Kg		150	43 - 142	9	50
Carbon disulfide	50.0	50.28		ug/Kg		101	74 - 135	9	50
Carbon tetrachloride	50.0	58.16		ug/Kg		116	70 - 141	7	50
Chlorobenzene	50.0	52.41		ug/Kg		105	84 - 125	6	50
Chlorodibromomethane	50.0	48.38		ug/Kg		97	66 - 134	1	50
Chloroethane	50.0	61.61		ug/Kg		123	53 - 144	9	50
Chloroform	50.0	57.51		ug/Kg		115	76 - 130	6	49
Chloromethane	50.0	44.20		ug/Kg		88	23 - 150	9	50
cis-1,2-Dichloroethene	50.0	55.31		ug/Kg		111	75 - 125	6	50
cis-1,3-Dichloropropene	50.0	49.43		ug/Kg		99	73 - 148	3	50
Dibromomethane	50.0	55.69		ug/Kg		111	71 - 130	3	50
Dichlorodifluoromethane	50.0	59.29		ug/Kg		119	12 - 144	6	50
Ethylbenzene	50.0	51.63		ug/Kg		103	80 - 134	7	50
Hexachlorobutadiene	50.0	53.19		ug/Kg		106	65 - 148	7	50
Isopropylbenzene	50.0	51.37		ug/Kg		103	80 - 150	6	50
Methyl tert-butyl ether	50.0	52.00		ug/Kg		104	70 - 136	5	50

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

Lab Sample ID: LCSD 490-68052/4
Matrix: Solid
Analysis Batch: 68052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride			50.0	60.24		ug/Kg		120	68 - 144	3	50
Naphthalene			50.0	50.78		ug/Kg		102	69 - 150	2	50
n-Butylbenzene			50.0	48.50		ug/Kg		97	72 - 152	9	50
N-Propylbenzene			50.0	46.93		ug/Kg		94	75 - 137	10	50
p-Isopropyltoluene			50.0	47.22		ug/Kg		94	77 - 141	8	50
sec-Butylbenzene			50.0	48.30		ug/Kg		97	79 - 141	9	50
Styrene			50.0	51.66		ug/Kg		103	82 - 137	6	50
tert-Butylbenzene			50.0	48.20		ug/Kg		96	80 - 132	9	50
Tetrachloroethene			50.0	59.00		ug/Kg		118	78 - 140	6	50
Toluene			50.0	55.92		ug/Kg		112	80 - 132	5	50
trans-1,2-Dichloroethene			50.0	61.00		ug/Kg		122	76 - 128	8	50
trans-1,3-Dichloropropene			50.0	43.06		ug/Kg		86	62 - 139	0	50
Trichloroethene			50.0	62.66		ug/Kg		125	77 - 127	7	50
Trichlorofluoromethane			50.0	58.83		ug/Kg		118	50 - 140	11	50
Vinyl chloride			50.0	54.68		ug/Kg		109	47 - 136	9	50
Xylenes, Total			150	152.4		ug/Kg		102	80 - 137	7	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 490-68207/10
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/27/13 19:40	1
1,1-Dichloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,1-Dichloroethene	ND		100		ug/Kg			03/27/13 19:40	1
1,1-Dichloropropene	ND		100		ug/Kg			03/27/13 19:40	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/27/13 19:40	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/27/13 19:40	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/27/13 19:40	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,2-Dichloroethane	ND		100		ug/Kg			03/27/13 19:40	1
1,2-Dichloropropane	ND		100		ug/Kg			03/27/13 19:40	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
1,3-Dichloropropane	ND		100		ug/Kg			03/27/13 19:40	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1

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

Lab Sample ID: MB 490-68207/10
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		100		ug/Kg			03/27/13 19:40	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/27/13 19:40	1
2-Chlorotoluene	ND		100		ug/Kg			03/27/13 19:40	1
2-Hexanone	ND		2500		ug/Kg			03/27/13 19:40	1
4-Chlorotoluene	ND		100		ug/Kg			03/27/13 19:40	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/27/13 19:40	1
Acetone	ND		2500		ug/Kg			03/27/13 19:40	1
Benzene	ND		100		ug/Kg			03/27/13 19:40	1
Bromobenzene	ND		100		ug/Kg			03/27/13 19:40	1
Bromochloromethane	ND		100		ug/Kg			03/27/13 19:40	1
Bromodichloromethane	ND		100		ug/Kg			03/27/13 19:40	1
Bromoform	ND		100		ug/Kg			03/27/13 19:40	1
Bromomethane	ND		100		ug/Kg			03/27/13 19:40	1
Carbon disulfide	ND		250		ug/Kg			03/27/13 19:40	1
Carbon tetrachloride	ND		100		ug/Kg			03/27/13 19:40	1
Chlorobenzene	ND		100		ug/Kg			03/27/13 19:40	1
Chlorodibromomethane	ND		100		ug/Kg			03/27/13 19:40	1
Chloroethane	ND		250		ug/Kg			03/27/13 19:40	1
Chloroform	ND		100		ug/Kg			03/27/13 19:40	1
Chloromethane	ND		100		ug/Kg			03/27/13 19:40	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 19:40	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 19:40	1
Dibromomethane	ND		100		ug/Kg			03/27/13 19:40	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/27/13 19:40	1
Ethylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
Hexachlorobutadiene	ND		250		ug/Kg			03/27/13 19:40	1
Isopropylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/27/13 19:40	1
Methylene Chloride	ND		500		ug/Kg			03/27/13 19:40	1
Naphthalene	ND		250		ug/Kg			03/27/13 19:40	1
n-Butylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
N-Propylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
p-Isopropyltoluene	ND		100		ug/Kg			03/27/13 19:40	1
sec-Butylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
Styrene	ND		100		ug/Kg			03/27/13 19:40	1
tert-Butylbenzene	ND		100		ug/Kg			03/27/13 19:40	1
Tetrachloroethene	ND		100		ug/Kg			03/27/13 19:40	1
Toluene	ND		100		ug/Kg			03/27/13 19:40	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/27/13 19:40	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/27/13 19:40	1
Trichloroethene	ND		100		ug/Kg			03/27/13 19:40	1
Trichlorofluoromethane	ND		100		ug/Kg			03/27/13 19:40	1
Vinyl chloride	ND		100		ug/Kg			03/27/13 19:40	1
Xylenes, Total	ND		250		ug/Kg			03/27/13 19:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*70 - 130*		*03/27/13 19:40*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*03/27/13 19:40*	*1*

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

Lab Sample ID: MB 490-68207/10
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94		70 - 130		03/27/13 19:40	1
Toluene-d8 (Surr)	107		70 - 130		03/27/13 19:40	1

Lab Sample ID: LCS 490-68207/6
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.85		ug/Kg		98	80 - 136
1,1,1-Trichloroethane	50.0	50.54		ug/Kg		101	72 - 140
1,1,2,2-Tetrachloroethane	50.0	62.84		ug/Kg		126	66 - 134
1,1,2-Trichloroethane	50.0	51.30		ug/Kg		103	78 - 128
1,1-Dichloroethane	50.0	59.18		ug/Kg		118	75 - 124
1,1-Dichloroethene	50.0	55.45		ug/Kg		111	75 - 131
1,1-Dichloropropene	50.0	51.59		ug/Kg		103	79 - 127
1,2,3-Trichlorobenzene	50.0	56.57		ug/Kg		113	70 - 150
1,2,3-Trichloropropane	50.0	54.60		ug/Kg		109	65 - 139
1,2,4-Trichlorobenzene	50.0	57.85		ug/Kg		116	62 - 150
1,2,4-Trimethylbenzene	50.0	54.74		ug/Kg		109	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	56.36		ug/Kg		113	49 - 142
1,2-Dibromoethane (EDB)	50.0	54.66		ug/Kg		109	80 - 135
1,2-Dichlorobenzene	50.0	54.96		ug/Kg		110	80 - 134
1,2-Dichloroethane	50.0	59.08		ug/Kg		118	65 - 134
1,2-Dichloropropane	50.0	56.04		ug/Kg		112	69 - 120
1,3,5-Trimethylbenzene	50.0	52.94		ug/Kg		106	78 - 138
1,3-Dichlorobenzene	50.0	52.79		ug/Kg		106	79 - 137
1,3-Dichloropropane	50.0	59.62		ug/Kg		119	78 - 126
1,4-Dichlorobenzene	50.0	54.36		ug/Kg		109	77 - 139
2,2-Dichloropropane	50.0	54.07		ug/Kg		108	68 - 145
2-Butanone (MEK)	250	292.7		ug/Kg		117	61 - 132
2-Chlorotoluene	50.0	54.99		ug/Kg		110	78 - 132
2-Hexanone	250	352.6		ug/Kg		141	57 - 148
4-Chlorotoluene	50.0	55.32		ug/Kg		111	77 - 138
4-Methyl-2-pentanone (MIBK)	250	343.0		ug/Kg		137	59 - 138
Acetone	250	289.3		ug/Kg		116	51 - 149
Benzene	50.0	51.76		ug/Kg		104	75 - 127
Bromobenzene	50.0	59.21		ug/Kg		118	75 - 130
Bromochloromethane	50.0	49.85		ug/Kg		100	70 - 132
Bromodichloromethane	50.0	55.71		ug/Kg		111	68 - 135
Bromoform	50.0	54.81		ug/Kg		110	36 - 150
Bromomethane	50.0	45.91		ug/Kg		92	43 - 142
Carbon disulfide	50.0	48.51		ug/Kg		97	74 - 135
Carbon tetrachloride	50.0	47.08		ug/Kg		94	70 - 141
Chlorobenzene	50.0	52.21		ug/Kg		104	84 - 125
Chlorodibromomethane	50.0	52.41		ug/Kg		105	66 - 134
Chloroethane	50.0	53.80		ug/Kg		108	53 - 144
Chloroform	50.0	53.66		ug/Kg		107	76 - 130
Chloromethane	50.0	49.15		ug/Kg		98	23 - 150

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

Lab Sample ID: LCS 490-68207/6
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	56.91		ug/Kg		114	75 - 125
cis-1,3-Dichloropropene	50.0	59.38		ug/Kg		119	73 - 148
Dibromomethane	50.0	51.55		ug/Kg		103	71 - 130
Dichlorodifluoromethane	50.0	46.33		ug/Kg		93	12 - 144
Ethylbenzene	50.0	53.54		ug/Kg		107	80 - 134
Hexachlorobutadiene	50.0	47.83		ug/Kg		96	65 - 148
Isopropylbenzene	50.0	54.29		ug/Kg		109	80 - 150
Methyl tert-butyl ether	50.0	59.92		ug/Kg		120	70 - 136
Methylene Chloride	50.0	55.85		ug/Kg		112	68 - 144
Naphthalene	50.0	57.83		ug/Kg		116	69 - 150
n-Butylbenzene	50.0	56.82		ug/Kg		114	72 - 152
N-Propylbenzene	50.0	52.82		ug/Kg		106	75 - 137
p-Isopropyltoluene	50.0	52.05		ug/Kg		104	77 - 141
sec-Butylbenzene	50.0	53.94		ug/Kg		108	79 - 141
Styrene	50.0	54.62		ug/Kg		109	82 - 137
tert-Butylbenzene	50.0	52.00		ug/Kg		104	80 - 132
Tetrachloroethene	50.0	48.02		ug/Kg		96	78 - 140
Toluene	50.0	52.77		ug/Kg		106	80 - 132
trans-1,2-Dichloroethene	50.0	59.54		ug/Kg		119	76 - 128
trans-1,3-Dichloropropene	50.0	59.02		ug/Kg		118	62 - 139
Trichloroethene	50.0	44.56		ug/Kg		89	77 - 127
Trichlorofluoromethane	50.0	43.49		ug/Kg		87	50 - 140
Vinyl chloride	50.0	53.99		ug/Kg		108	47 - 136
Xylenes, Total	150	162.3		ug/Kg		108	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-68207/7
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	48.37		ug/Kg		97	80 - 136	1	50
1,1,1-Trichloroethane	50.0	47.39		ug/Kg		95	72 - 140	6	50
1,1,2,2-Tetrachloroethane	50.0	61.93		ug/Kg		124	66 - 134	1	50
1,1,2-Trichloroethane	50.0	52.82		ug/Kg		106	78 - 128	3	50
1,1-Dichloroethane	50.0	55.27		ug/Kg		111	75 - 124	7	50
1,1-Dichloroethene	50.0	51.26		ug/Kg		103	75 - 131	8	50
1,1-Dichloropropene	50.0	48.38		ug/Kg		97	79 - 127	6	50
1,2,3-Trichlorobenzene	50.0	52.79		ug/Kg		106	70 - 150	7	50
1,2,3-Trichloropropane	50.0	54.96		ug/Kg		110	65 - 139	1	50
1,2,4-Trichlorobenzene	50.0	53.35		ug/Kg		107	62 - 150	8	50
1,2,4-Trimethylbenzene	50.0	51.57		ug/Kg		103	77 - 139	6	50
1,2-Dibromo-3-Chloropropane	50.0	56.07		ug/Kg		112	49 - 142	1	50

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

Lab Sample ID: LCSD 490-68207/7
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	50.0	54.32		ug/Kg		109	80 - 135	1	50
1,2-Dichlorobenzene	50.0	52.15		ug/Kg		104	80 - 134	5	50
1,2-Dichloroethane	50.0	56.97		ug/Kg		114	65 - 134	4	50
1,2-Dichloropropane	50.0	56.17		ug/Kg		112	69 - 120	0	50
1,3,5-Trimethylbenzene	50.0	51.08		ug/Kg		102	78 - 138	4	50
1,3-Dichlorobenzene	50.0	50.41		ug/Kg		101	79 - 137	5	50
1,3-Dichloropropane	50.0	58.88		ug/Kg		118	78 - 126	1	42
1,4-Dichlorobenzene	50.0	50.52		ug/Kg		101	77 - 139	7	50
2,2-Dichloropropane	50.0	48.62		ug/Kg		97	68 - 145	11	50
2-Butanone (MEK)	250	274.2		ug/Kg		110	61 - 132	7	50
2-Chlorotoluene	50.0	51.96		ug/Kg		104	78 - 132	6	50
2-Hexanone	250	351.0		ug/Kg		140	57 - 148	0	50
4-Chlorotoluene	50.0	53.69		ug/Kg		107	77 - 138	3	50
4-Methyl-2-pentanone (MIBK)	250	350.0	*	ug/Kg		140	59 - 138	2	50
Acetone	250	273.9		ug/Kg		110	51 - 149	5	50
Benzene	50.0	50.00		ug/Kg		100	75 - 127	3	50
Bromobenzene	50.0	56.41		ug/Kg		113	75 - 130	5	50
Bromochloromethane	50.0	46.39		ug/Kg		93	70 - 132	7	50
Bromodichloromethane	50.0	57.40		ug/Kg		115	68 - 135	3	50
Bromoform	50.0	54.49		ug/Kg		109	36 - 150	1	50
Bromomethane	50.0	44.96		ug/Kg		90	43 - 142	2	50
Carbon disulfide	50.0	45.08		ug/Kg		90	74 - 135	7	50
Carbon tetrachloride	50.0	43.62		ug/Kg		87	70 - 141	8	50
Chlorobenzene	50.0	50.16		ug/Kg		100	84 - 125	4	50
Chlorodibromomethane	50.0	50.75		ug/Kg		102	66 - 134	3	50
Chloroethane	50.0	52.20		ug/Kg		104	53 - 144	3	50
Chloroform	50.0	49.88		ug/Kg		100	76 - 130	7	49
Chloromethane	50.0	51.28		ug/Kg		103	23 - 150	4	50
cis-1,2-Dichloroethene	50.0	53.78		ug/Kg		108	75 - 125	6	50
cis-1,3-Dichloropropene	50.0	60.52		ug/Kg		121	73 - 148	2	50
Dibromomethane	50.0	53.06		ug/Kg		106	71 - 130	3	50
Dichlorodifluoromethane	50.0	44.78		ug/Kg		90	12 - 144	3	50
Ethylbenzene	50.0	51.87		ug/Kg		104	80 - 134	3	50
Hexachlorobutadiene	50.0	45.00		ug/Kg		90	65 - 148	6	50
Isopropylbenzene	50.0	51.71		ug/Kg		103	80 - 150	5	50
Methyl tert-butyl ether	50.0	56.45		ug/Kg		113	70 - 136	6	50
Methylene Chloride	50.0	52.36		ug/Kg		105	68 - 144	6	50
Naphthalene	50.0	56.96		ug/Kg		114	69 - 150	2	50
n-Butylbenzene	50.0	52.58		ug/Kg		105	72 - 152	8	50
N-Propylbenzene	50.0	51.82		ug/Kg		104	75 - 137	2	50
p-Isopropyltoluene	50.0	49.23		ug/Kg		98	77 - 141	6	50
sec-Butylbenzene	50.0	51.80		ug/Kg		104	79 - 141	4	50
Styrene	50.0	53.78		ug/Kg		108	82 - 137	2	50
tert-Butylbenzene	50.0	49.52		ug/Kg		99	80 - 132	5	50
Tetrachloroethene	50.0	44.15		ug/Kg		88	78 - 140	8	50
Toluene	50.0	53.47		ug/Kg		107	80 - 132	1	50
trans-1,2-Dichloroethene	50.0	57.71		ug/Kg		115	76 - 128	3	50
trans-1,3-Dichloropropene	50.0	59.40		ug/Kg		119	62 - 139	1	50

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

Lab Sample ID: LCSD 490-68207/7
Matrix: Solid
Analysis Batch: 68207

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			50.0	43.17		ug/Kg		86	77 - 127	3	50
Trichlorofluoromethane			50.0	40.02		ug/Kg		80	50 - 140	8	50
Vinyl chloride			50.0	51.37		ug/Kg		103	47 - 136	5	50
Xylenes, Total			150	156.6		ug/Kg		104	80 - 137	4	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 490-68327/6
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/28/13 08:56	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/28/13 08:56	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/28/13 08:56	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 08:56	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/28/13 08:56	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 08:56	1
2-Hexanone	ND		50.0		ug/Kg			03/28/13 08:56	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 08:56	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/28/13 08:56	1
Acetone	ND		50.0		ug/Kg			03/28/13 08:56	1
Benzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Bromobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Bromochloromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Bromodichloromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Bromoform	ND		2.00		ug/Kg			03/28/13 08:56	1

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

Lab Sample ID: MB 490-68327/6
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Carbon disulfide	ND		5.00		ug/Kg			03/28/13 08:56	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/28/13 08:56	1
Chlorobenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Chloroethane	ND		5.00		ug/Kg			03/28/13 08:56	1
Chloroform	ND		2.00		ug/Kg			03/28/13 08:56	1
Chloromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 08:56	1
Dibromomethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Ethylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/28/13 08:56	1
Isopropylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/28/13 08:56	1
Methylene Chloride	ND		10.0		ug/Kg			03/28/13 08:56	1
Naphthalene	ND		5.00		ug/Kg			03/28/13 08:56	1
n-Butylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
N-Propylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/28/13 08:56	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Styrene	ND		2.00		ug/Kg			03/28/13 08:56	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/28/13 08:56	1
Tetrachloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
Toluene	ND		2.00		ug/Kg			03/28/13 08:56	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 08:56	1
Trichloroethene	ND		2.00		ug/Kg			03/28/13 08:56	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/28/13 08:56	1
Vinyl chloride	ND		2.00		ug/Kg			03/28/13 08:56	1
Xylenes, Total	ND		5.00		ug/Kg			03/28/13 08:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*		*03/28/13 08:56*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*03/28/13 08:56*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*03/28/13 08:56*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*03/28/13 08:56*	*1*

Lab Sample ID: MB 490-68327/7
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/28/13 09:26	1

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

Lab Sample ID: MB 490-68327/7
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,1-Dichloroethene	ND		100		ug/Kg			03/28/13 09:26	1
1,1-Dichloropropene	ND		100		ug/Kg			03/28/13 09:26	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/28/13 09:26	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/28/13 09:26	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/28/13 09:26	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,2-Dichloroethane	ND		100		ug/Kg			03/28/13 09:26	1
1,2-Dichloropropane	ND		100		ug/Kg			03/28/13 09:26	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
1,3-Dichloropropane	ND		100		ug/Kg			03/28/13 09:26	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
2,2-Dichloropropane	ND		100		ug/Kg			03/28/13 09:26	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/28/13 09:26	1
2-Chlorotoluene	ND		100		ug/Kg			03/28/13 09:26	1
2-Hexanone	ND		2500		ug/Kg			03/28/13 09:26	1
4-Chlorotoluene	ND		100		ug/Kg			03/28/13 09:26	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/28/13 09:26	1
Acetone	ND		2500		ug/Kg			03/28/13 09:26	1
Benzene	ND		100		ug/Kg			03/28/13 09:26	1
Bromobenzene	ND		100		ug/Kg			03/28/13 09:26	1
Bromochloromethane	ND		100		ug/Kg			03/28/13 09:26	1
Bromodichloromethane	ND		100		ug/Kg			03/28/13 09:26	1
Bromoform	ND		100		ug/Kg			03/28/13 09:26	1
Bromomethane	ND		100		ug/Kg			03/28/13 09:26	1
Carbon disulfide	ND		250		ug/Kg			03/28/13 09:26	1
Carbon tetrachloride	ND		100		ug/Kg			03/28/13 09:26	1
Chlorobenzene	ND		100		ug/Kg			03/28/13 09:26	1
Chlorodibromomethane	ND		100		ug/Kg			03/28/13 09:26	1
Chloroethane	ND		250		ug/Kg			03/28/13 09:26	1
Chloroform	ND		100		ug/Kg			03/28/13 09:26	1
Chloromethane	ND		100		ug/Kg			03/28/13 09:26	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/28/13 09:26	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/28/13 09:26	1
Dibromomethane	ND		100		ug/Kg			03/28/13 09:26	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/28/13 09:26	1
Ethylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
Hexachlorobutadiene	ND		250		ug/Kg			03/28/13 09:26	1
Isopropylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/28/13 09:26	1
Methylene Chloride	ND		500		ug/Kg			03/28/13 09:26	1
Naphthalene	ND		250		ug/Kg			03/28/13 09:26	1
n-Butylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
N-Propylbenzene	ND		100		ug/Kg			03/28/13 09:26	1

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

Lab Sample ID: MB 490-68327/7
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		100		ug/Kg			03/28/13 09:26	1
sec-Butylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
Styrene	ND		100		ug/Kg			03/28/13 09:26	1
tert-Butylbenzene	ND		100		ug/Kg			03/28/13 09:26	1
Tetrachloroethene	ND		100		ug/Kg			03/28/13 09:26	1
Toluene	ND		100		ug/Kg			03/28/13 09:26	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/28/13 09:26	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/28/13 09:26	1
Trichloroethene	ND		100		ug/Kg			03/28/13 09:26	1
Trichlorofluoromethane	ND		100		ug/Kg			03/28/13 09:26	1
Vinyl chloride	ND		100		ug/Kg			03/28/13 09:26	1
Xylenes, Total	ND		250		ug/Kg			03/28/13 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*70 - 130*		*03/28/13 09:26*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/28/13 09:26*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*03/28/13 09:26*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*03/28/13 09:26*	*1*

Lab Sample ID: LCS 490-68327/3
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.10		ug/Kg		96	80 - 136
1,1,1-Trichloroethane	50.0	50.74		ug/Kg		101	72 - 140
1,1,2,2-Tetrachloroethane	50.0	57.89		ug/Kg		116	66 - 134
1,1,2-Trichloroethane	50.0	53.37		ug/Kg		107	78 - 128
1,1-Dichloroethane	50.0	64.40	*	ug/Kg		129	75 - 124
1,1-Dichloroethene	50.0	59.43		ug/Kg		119	75 - 131
1,1-Dichloropropene	50.0	56.03		ug/Kg		112	79 - 127
1,2,3-Trichlorobenzene	50.0	52.35		ug/Kg		105	70 - 150
1,2,3-Trichloropropane	50.0	49.92		ug/Kg		100	65 - 139
1,2,4-Trichlorobenzene	50.0	52.70		ug/Kg		105	62 - 150
1,2,4-Trimethylbenzene	50.0	54.17		ug/Kg		108	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	46.54		ug/Kg		93	49 - 142
1,2-Dibromoethane (EDB)	50.0	51.94		ug/Kg		104	80 - 135
1,2-Dichlorobenzene	50.0	52.91		ug/Kg		106	80 - 134
1,2-Dichloroethane	50.0	61.52		ug/Kg		123	65 - 134
1,2-Dichloropropane	50.0	60.70	*	ug/Kg		121	69 - 120
1,3,5-Trimethylbenzene	50.0	54.49		ug/Kg		109	78 - 138
1,3-Dichlorobenzene	50.0	51.24		ug/Kg		102	79 - 137
1,3-Dichloropropane	50.0	60.23		ug/Kg		120	78 - 126
1,4-Dichlorobenzene	50.0	51.87		ug/Kg		104	77 - 139
2,2-Dichloropropane	50.0	55.53		ug/Kg		111	68 - 145
2-Butanone (MEK)	250	277.0		ug/Kg		111	61 - 132
2-Chlorotoluene	50.0	56.53		ug/Kg		113	78 - 132
2-Hexanone	250	345.2		ug/Kg		138	57 - 148

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

Lab Sample ID: LCS 490-68327/3
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	56.33		ug/Kg		113	77 - 138
4-Methyl-2-pentanone (MIBK)	250	345.1		ug/Kg		138	59 - 138
Acetone	250	275.1		ug/Kg		110	51 - 149
Benzene	50.0	55.70		ug/Kg		111	75 - 127
Bromobenzene	50.0	58.59		ug/Kg		117	75 - 130
Bromochloromethane	50.0	47.52		ug/Kg		95	70 - 132
Bromodichloromethane	50.0	54.41		ug/Kg		109	68 - 135
Bromoform	50.0	50.31		ug/Kg		101	36 - 150
Bromomethane	50.0	51.49		ug/Kg		103	43 - 142
Carbon disulfide	50.0	53.94		ug/Kg		108	74 - 135
Carbon tetrachloride	50.0	46.67		ug/Kg		93	70 - 141
Chlorobenzene	50.0	52.47		ug/Kg		105	84 - 125
Chlorodibromomethane	50.0	49.49		ug/Kg		99	66 - 134
Chloroethane	50.0	61.22		ug/Kg		122	53 - 144
Chloroform	50.0	54.05		ug/Kg		108	76 - 130
Chloromethane	50.0	64.56		ug/Kg		129	23 - 150
cis-1,2-Dichloroethene	50.0	61.15		ug/Kg		122	75 - 125
cis-1,3-Dichloropropene	50.0	58.16		ug/Kg		116	73 - 148
Dibromomethane	50.0	49.95		ug/Kg		100	71 - 130
Dichlorodifluoromethane	50.0	52.21		ug/Kg		104	12 - 144
Ethylbenzene	50.0	57.62		ug/Kg		115	80 - 134
Hexachlorobutadiene	50.0	50.39		ug/Kg		101	65 - 148
Isopropylbenzene	50.0	60.84		ug/Kg		122	80 - 150
Methyl tert-butyl ether	50.0	57.12		ug/Kg		114	70 - 136
Methylene Chloride	50.0	58.27		ug/Kg		117	68 - 144
Naphthalene	50.0	49.88		ug/Kg		100	69 - 150
n-Butylbenzene	50.0	56.74		ug/Kg		113	72 - 152
N-Propylbenzene	50.0	55.86		ug/Kg		112	75 - 137
p-Isopropyltoluene	50.0	52.24		ug/Kg		104	77 - 141
sec-Butylbenzene	50.0	55.79		ug/Kg		112	79 - 141
Styrene	50.0	57.27		ug/Kg		115	82 - 137
tert-Butylbenzene	50.0	53.88		ug/Kg		108	80 - 132
Tetrachloroethene	50.0	52.54		ug/Kg		105	78 - 140
Toluene	50.0	58.27		ug/Kg		117	80 - 132
trans-1,2-Dichloroethene	50.0	66.73	*	ug/Kg		133	76 - 128
trans-1,3-Dichloropropene	50.0	59.15		ug/Kg		118	62 - 139
Trichloroethene	50.0	46.46		ug/Kg		93	77 - 127
Trichlorofluoromethane	50.0	44.17		ug/Kg		88	50 - 140
Vinyl chloride	50.0	62.58		ug/Kg		125	47 - 136
Xylenes, Total	150	173.9		ug/Kg		116	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*

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

Lab Sample ID: LCSD 490-68327/4
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	49.56		ug/Kg		99	80 - 136	3	50
1,1,1-Trichloroethane	50.0	52.65		ug/Kg		105	72 - 140	4	50
1,1,2,2-Tetrachloroethane	50.0	59.23		ug/Kg		118	66 - 134	2	50
1,1,2-Trichloroethane	50.0	52.13		ug/Kg		104	78 - 128	2	50
1,1-Dichloroethane	50.0	65.15	*	ug/Kg		130	75 - 124	1	50
1,1-Dichloroethene	50.0	59.29		ug/Kg		119	75 - 131	0	50
1,1-Dichloropropene	50.0	56.57		ug/Kg		113	79 - 127	1	50
1,2,3-Trichlorobenzene	50.0	55.01		ug/Kg		110	70 - 150	5	50
1,2,3-Trichloropropane	50.0	48.66		ug/Kg		97	65 - 139	3	50
1,2,4-Trichlorobenzene	50.0	55.41		ug/Kg		111	62 - 150	5	50
1,2,4-Trimethylbenzene	50.0	54.63		ug/Kg		109	77 - 139	1	50
1,2-Dibromo-3-Chloropropane	50.0	53.61		ug/Kg		107	49 - 142	14	50
1,2-Dibromoethane (EDB)	50.0	53.75		ug/Kg		108	80 - 135	3	50
1,2-Dichlorobenzene	50.0	52.91		ug/Kg		106	80 - 134	0	50
1,2-Dichloroethane	50.0	62.02		ug/Kg		124	65 - 134	1	50
1,2-Dichloropropane	50.0	61.61	*	ug/Kg		123	69 - 120	1	50
1,3,5-Trimethylbenzene	50.0	54.91		ug/Kg		110	78 - 138	1	50
1,3-Dichlorobenzene	50.0	52.26		ug/Kg		105	79 - 137	2	50
1,3-Dichloropropane	50.0	58.55		ug/Kg		117	78 - 126	3	42
1,4-Dichlorobenzene	50.0	51.81		ug/Kg		104	77 - 139	0	50
2,2-Dichloropropane	50.0	56.37		ug/Kg		113	68 - 145	2	50
2-Butanone (MEK)	250	272.1		ug/Kg		109	61 - 132	2	50
2-Chlorotoluene	50.0	56.61		ug/Kg		113	78 - 132	0	50
2-Hexanone	250	351.5		ug/Kg		141	57 - 148	2	50
4-Chlorotoluene	50.0	55.90		ug/Kg		112	77 - 138	1	50
4-Methyl-2-pentanone (MIBK)	250	351.8	*	ug/Kg		141	59 - 138	2	50
Acetone	250	301.3		ug/Kg		121	51 - 149	9	50
Benzene	50.0	55.97		ug/Kg		112	75 - 127	0	50
Bromobenzene	50.0	59.53		ug/Kg		119	75 - 130	2	50
Bromochloromethane	50.0	48.39		ug/Kg		97	70 - 132	2	50
Bromodichloromethane	50.0	55.71		ug/Kg		111	68 - 135	2	50
Bromoform	50.0	53.25		ug/Kg		107	36 - 150	6	50
Bromomethane	50.0	52.29		ug/Kg		105	43 - 142	2	50
Carbon disulfide	50.0	53.82		ug/Kg		108	74 - 135	0	50
Carbon tetrachloride	50.0	47.07		ug/Kg		94	70 - 141	1	50
Chlorobenzene	50.0	53.39		ug/Kg		107	84 - 125	2	50
Chlorodibromomethane	50.0	48.16		ug/Kg		96	66 - 134	3	50
Chloroethane	50.0	63.49		ug/Kg		127	53 - 144	4	50
Chloroform	50.0	54.66		ug/Kg		109	76 - 130	1	49
Chloromethane	50.0	62.88		ug/Kg		126	23 - 150	3	50
cis-1,2-Dichloroethene	50.0	63.33	*	ug/Kg		127	75 - 125	4	50
cis-1,3-Dichloropropene	50.0	61.48		ug/Kg		123	73 - 148	6	50
Dibromomethane	50.0	51.88		ug/Kg		104	71 - 130	4	50
Dichlorodifluoromethane	50.0	51.91		ug/Kg		104	12 - 144	1	50
Ethylbenzene	50.0	58.49		ug/Kg		117	80 - 134	2	50
Hexachlorobutadiene	50.0	51.68		ug/Kg		103	65 - 148	3	50
Isopropylbenzene	50.0	58.99		ug/Kg		118	80 - 150	3	50
Methyl tert-butyl ether	50.0	59.60		ug/Kg		119	70 - 136	4	50

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

Lab Sample ID: LCSD 490-68327/4
Matrix: Solid
Analysis Batch: 68327

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride			50.0	58.66		ug/Kg		117	68 - 144	1	50
Naphthalene			50.0	52.61		ug/Kg		105	69 - 150	5	50
n-Butylbenzene			50.0	57.62		ug/Kg		115	72 - 152	2	50
N-Propylbenzene			50.0	56.46		ug/Kg		113	75 - 137	1	50
p-Isopropyltoluene			50.0	52.66		ug/Kg		105	77 - 141	1	50
sec-Butylbenzene			50.0	56.94		ug/Kg		114	79 - 141	2	50
Styrene			50.0	57.95		ug/Kg		116	82 - 137	1	50
tert-Butylbenzene			50.0	53.77		ug/Kg		108	80 - 132	0	50
Tetrachloroethene			50.0	50.71		ug/Kg		101	78 - 140	4	50
Toluene			50.0	58.08		ug/Kg		116	80 - 132	0	50
trans-1,2-Dichloroethene			50.0	69.01	*	ug/Kg		138	76 - 128	3	50
trans-1,3-Dichloropropene			50.0	58.30		ug/Kg		117	62 - 139	1	50
Trichloroethene			50.0	47.54		ug/Kg		95	77 - 127	2	50
Trichlorofluoromethane			50.0	42.54		ug/Kg		85	50 - 140	4	50
Vinyl chloride			50.0	64.06		ug/Kg		128	47 - 136	2	50
Xylenes, Total			150	175.4		ug/Kg		117	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/28/13 11:31	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1

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

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.00		ug/Kg			03/28/13 11:31	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/28/13 11:31	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
2-Hexanone	ND		50.0		ug/Kg			03/28/13 11:31	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/28/13 11:31	1
Acetone	ND		50.0		ug/Kg			03/28/13 11:31	1
Benzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromochloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromodichloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromoform	ND		2.00		ug/Kg			03/28/13 11:31	1
Bromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Carbon disulfide	ND		5.00		ug/Kg			03/28/13 11:31	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/28/13 11:31	1
Chlorobenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Chloroethane	ND		5.00		ug/Kg			03/28/13 11:31	1
Chloroform	ND		2.00		ug/Kg			03/28/13 11:31	1
Chloromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
Dibromomethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Ethylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/28/13 11:31	1
Isopropylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/28/13 11:31	1
Methylene Chloride	ND		10.0		ug/Kg			03/28/13 11:31	1
Naphthalene	ND		5.00		ug/Kg			03/28/13 11:31	1
n-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
N-Propylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/28/13 11:31	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Styrene	ND		2.00		ug/Kg			03/28/13 11:31	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/28/13 11:31	1
Tetrachloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
Toluene	ND		2.00		ug/Kg			03/28/13 11:31	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/28/13 11:31	1
Trichloroethene	ND		2.00		ug/Kg			03/28/13 11:31	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/28/13 11:31	1
Vinyl chloride	ND		2.00		ug/Kg			03/28/13 11:31	1
Xylenes, Total	ND		5.00		ug/Kg			03/28/13 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/28/13 11:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*03/28/13 11:31*	*1*

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

Lab Sample ID: MB 490-68361/6
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/28/13 11:31*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/28/13 11:31*	*1*

Lab Sample ID: LCS 490-68361/3
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.22		ug/Kg		88	80 - 136
1,1,1-Trichloroethane	50.0	51.64		ug/Kg		103	72 - 140
1,1,2,2-Tetrachloroethane	50.0	42.60		ug/Kg		85	66 - 134
1,1,2-Trichloroethane	50.0	45.35		ug/Kg		91	78 - 128
1,1-Dichloroethane	50.0	49.91		ug/Kg		100	75 - 124
1,1-Dichloroethene	50.0	58.24		ug/Kg		116	75 - 131
1,1-Dichloropropene	50.0	50.75		ug/Kg		101	79 - 127
1,2,3-Trichlorobenzene	50.0	51.83		ug/Kg		104	70 - 150
1,2,3-Trichloropropane	50.0	40.65		ug/Kg		81	65 - 139
1,2,4-Trichlorobenzene	50.0	53.04		ug/Kg		106	62 - 150
1,2,4-Trimethylbenzene	50.0	40.70		ug/Kg		81	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	46.52		ug/Kg		93	49 - 142
1,2-Dibromoethane (EDB)	50.0	48.85		ug/Kg		98	80 - 135
1,2-Dichlorobenzene	50.0	43.58		ug/Kg		87	80 - 134
1,2-Dichloroethane	50.0	51.75		ug/Kg		103	65 - 134
1,2-Dichloropropane	50.0	45.52		ug/Kg		91	69 - 120
1,3,5-Trimethylbenzene	50.0	41.09		ug/Kg		82	78 - 138
1,3-Dichlorobenzene	50.0	43.99		ug/Kg		88	79 - 137
1,3-Dichloropropane	50.0	44.27		ug/Kg		89	78 - 126
1,4-Dichlorobenzene	50.0	43.93		ug/Kg		88	77 - 139
2,2-Dichloropropane	50.0	46.94		ug/Kg		94	68 - 145
2-Butanone (MEK)	250	287.7		ug/Kg		115	61 - 132
2-Chlorotoluene	50.0	39.84		ug/Kg		80	78 - 132
2-Hexanone	250	235.9		ug/Kg		94	57 - 148
4-Chlorotoluene	50.0	41.00		ug/Kg		82	77 - 138
4-Methyl-2-pentanone (MIBK)	250	250.5		ug/Kg		100	59 - 138
Acetone	250	258.7		ug/Kg		103	51 - 149
Benzene	50.0	49.29		ug/Kg		99	75 - 127
Bromobenzene	50.0	39.83		ug/Kg		80	75 - 130
Bromochloromethane	50.0	54.66		ug/Kg		109	70 - 132
Bromodichloromethane	50.0	49.55		ug/Kg		99	68 - 135
Bromoform	50.0	42.04		ug/Kg		84	36 - 150
Bromomethane	50.0	60.16		ug/Kg		120	43 - 142
Carbon disulfide	50.0	42.54		ug/Kg		85	74 - 135
Carbon tetrachloride	50.0	49.53		ug/Kg		99	70 - 141
Chlorobenzene	50.0	45.10		ug/Kg		90	84 - 125
Chlorodibromomethane	50.0	44.65		ug/Kg		89	66 - 134
Chloroethane	50.0	50.71		ug/Kg		101	53 - 144
Chloroform	50.0	49.66		ug/Kg		99	76 - 130
Chloromethane	50.0	38.96		ug/Kg		78	23 - 150

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

Lab Sample ID: LCS 490-68361/3
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	47.72		ug/Kg		95	75 - 125
cis-1,3-Dichloropropene	50.0	42.88		ug/Kg		86	73 - 148
Dibromomethane	50.0	52.46		ug/Kg		105	71 - 130
Dichlorodifluoromethane	50.0	53.24		ug/Kg		106	12 - 144
Ethylbenzene	50.0	43.96		ug/Kg		88	80 - 134
Hexachlorobutadiene	50.0	48.36		ug/Kg		97	65 - 148
Isopropylbenzene	50.0	44.63		ug/Kg		89	80 - 150
Methyl tert-butyl ether	50.0	49.23		ug/Kg		98	70 - 136
Methylene Chloride	50.0	52.55		ug/Kg		105	68 - 144
Naphthalene	50.0	49.34		ug/Kg		99	69 - 150
n-Butylbenzene	50.0	43.25		ug/Kg		86	72 - 152
N-Propylbenzene	50.0	40.37		ug/Kg		81	75 - 137
p-Isopropyltoluene	50.0	42.02		ug/Kg		84	77 - 141
sec-Butylbenzene	50.0	41.61		ug/Kg		83	79 - 141
Styrene	50.0	44.17		ug/Kg		88	82 - 137
tert-Butylbenzene	50.0	41.57		ug/Kg		83	80 - 132
Tetrachloroethene	50.0	50.92		ug/Kg		102	78 - 140
Toluene	50.0	47.49		ug/Kg		95	80 - 132
trans-1,2-Dichloroethene	50.0	52.04		ug/Kg		104	76 - 128
trans-1,3-Dichloropropene	50.0	39.41		ug/Kg		79	62 - 139
Trichloroethene	50.0	53.85		ug/Kg		108	77 - 127
Trichlorofluoromethane	50.0	51.59		ug/Kg		103	50 - 140
Vinyl chloride	50.0	47.44		ug/Kg		95	47 - 136
Xylenes, Total	150	131.4		ug/Kg		88	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	47.65		ug/Kg		95	80 - 136	7	50
1,1,1-Trichloroethane	50.0	55.32		ug/Kg		111	72 - 140	7	50
1,1,2,2-Tetrachloroethane	50.0	43.17		ug/Kg		86	66 - 134	1	50
1,1,2-Trichloroethane	50.0	46.81		ug/Kg		94	78 - 128	3	50
1,1-Dichloroethane	50.0	53.69		ug/Kg		107	75 - 124	7	50
1,1-Dichloroethene	50.0	63.66		ug/Kg		127	75 - 131	9	50
1,1-Dichloropropene	50.0	54.43		ug/Kg		109	79 - 127	7	50
1,2,3-Trichlorobenzene	50.0	53.81		ug/Kg		108	70 - 150	4	50
1,2,3-Trichloropropane	50.0	41.32		ug/Kg		83	65 - 139	2	50
1,2,4-Trichlorobenzene	50.0	54.72		ug/Kg		109	62 - 150	3	50
1,2,4-Trimethylbenzene	50.0	44.23		ug/Kg		88	77 - 139	8	50
1,2-Dibromo-3-Chloropropane	50.0	46.78		ug/Kg		94	49 - 142	1	50

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

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	50.0	50.32		ug/Kg		101	80 - 135	3	50
1,2-Dichlorobenzene	50.0	46.73		ug/Kg		93	80 - 134	7	50
1,2-Dichloroethane	50.0	52.65		ug/Kg		105	65 - 134	2	50
1,2-Dichloropropane	50.0	47.86		ug/Kg		96	69 - 120	5	50
1,3,5-Trimethylbenzene	50.0	44.58		ug/Kg		89	78 - 138	8	50
1,3-Dichlorobenzene	50.0	47.30		ug/Kg		95	79 - 137	7	50
1,3-Dichloropropane	50.0	46.06		ug/Kg		92	78 - 126	4	42
1,4-Dichlorobenzene	50.0	46.48		ug/Kg		93	77 - 139	6	50
2,2-Dichloropropane	50.0	49.83		ug/Kg		100	68 - 145	6	50
2-Butanone (MEK)	250	302.0		ug/Kg		121	61 - 132	5	50
2-Chlorotoluene	50.0	43.49		ug/Kg		87	78 - 132	9	50
2-Hexanone	250	244.4		ug/Kg		98	57 - 148	4	50
4-Chlorotoluene	50.0	44.67		ug/Kg		89	77 - 138	9	50
4-Methyl-2-pentanone (MIBK)	250	255.5		ug/Kg		102	59 - 138	2	50
Acetone	250	270.1		ug/Kg		108	51 - 149	4	50
Benzene	50.0	53.01		ug/Kg		106	75 - 127	7	50
Bromobenzene	50.0	41.96		ug/Kg		84	75 - 130	5	50
Bromochloromethane	50.0	56.72		ug/Kg		113	70 - 132	4	50
Bromodichloromethane	50.0	51.33		ug/Kg		103	68 - 135	4	50
Bromoform	50.0	41.68		ug/Kg		83	36 - 150	1	50
Bromomethane	50.0	67.02		ug/Kg		134	43 - 142	11	50
Carbon disulfide	50.0	45.66		ug/Kg		91	74 - 135	7	50
Carbon tetrachloride	50.0	53.16		ug/Kg		106	70 - 141	7	50
Chlorobenzene	50.0	48.89		ug/Kg		98	84 - 125	8	50
Chlorodibromomethane	50.0	46.12		ug/Kg		92	66 - 134	3	50
Chloroethane	50.0	55.39		ug/Kg		111	53 - 144	9	50
Chloroform	50.0	53.08		ug/Kg		106	76 - 130	7	49
Chloromethane	50.0	41.20		ug/Kg		82	23 - 150	6	50
cis-1,2-Dichloroethene	50.0	50.90		ug/Kg		102	75 - 125	6	50
cis-1,3-Dichloropropene	50.0	45.73		ug/Kg		91	73 - 148	6	50
Dibromomethane	50.0	52.81		ug/Kg		106	71 - 130	1	50
Dichlorodifluoromethane	50.0	56.37		ug/Kg		113	12 - 144	6	50
Ethylbenzene	50.0	48.15		ug/Kg		96	80 - 134	9	50
Hexachlorobutadiene	50.0	51.82		ug/Kg		104	65 - 148	7	50
Isopropylbenzene	50.0	48.48		ug/Kg		97	80 - 150	8	50
Methyl tert-butyl ether	50.0	47.79		ug/Kg		96	70 - 136	3	50
Methylene Chloride	50.0	55.23		ug/Kg		110	68 - 144	5	50
Naphthalene	50.0	49.44		ug/Kg		99	69 - 150	0	50
n-Butylbenzene	50.0	46.24		ug/Kg		92	72 - 152	7	50
N-Propylbenzene	50.0	44.12		ug/Kg		88	75 - 137	9	50
p-Isopropyltoluene	50.0	45.06		ug/Kg		90	77 - 141	7	50
sec-Butylbenzene	50.0	45.39		ug/Kg		91	79 - 141	9	50
Styrene	50.0	48.16		ug/Kg		96	82 - 137	9	50
tert-Butylbenzene	50.0	45.07		ug/Kg		90	80 - 132	8	50
Tetrachloroethene	50.0	55.64		ug/Kg		111	78 - 140	9	50
Toluene	50.0	48.53		ug/Kg		97	80 - 132	2	50
trans-1,2-Dichloroethene	50.0	55.98		ug/Kg		112	76 - 128	7	50
trans-1,3-Dichloropropene	50.0	40.40		ug/Kg		81	62 - 139	2	50

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

Lab Sample ID: LCSD 490-68361/4
Matrix: Solid
Analysis Batch: 68361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			50.0	57.46		ug/Kg		115	77 - 127	6	50
Trichlorofluoromethane			50.0	53.32		ug/Kg		107	50 - 140	3	50
Vinyl chloride			50.0	50.45		ug/Kg		101	47 - 136	6	50
Xylenes, Total			150	143.3		ug/Kg		96	80 - 137	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 490-68596/9
Matrix: Solid
Analysis Batch: 68596

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/29/13 00:31	1
Tetrachloroethene	ND		100		ug/Kg			03/29/13 00:31	1
Trichloroethene	ND		100		ug/Kg			03/29/13 00:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/29/13 00:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/29/13 00:31*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*03/29/13 00:31*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/29/13 00:31*	*1*

Lab Sample ID: LCS 490-68596/5
Matrix: Solid
Analysis Batch: 68596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene			50.0	43.17		ug/Kg		86	75 - 125
Tetrachloroethene			50.0	43.54		ug/Kg		87	78 - 140
Trichloroethene			50.0	47.92		ug/Kg		96	77 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 490-68596/6
Matrix: Solid
Analysis Batch: 68596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			50.0	43.85		ug/Kg		88	75 - 125	2	50

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

Lab Sample ID: LCSD 490-68596/6
Matrix: Solid
Analysis Batch: 68596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene			50.0	44.76		ug/Kg		90	78 - 140	3	50
Trichloroethene			50.0	48.74		ug/Kg		97	77 - 127	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 490-68649/6
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/29/13 09:20	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/29/13 09:20	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/29/13 09:20	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 09:20	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/29/13 09:20	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 09:20	1
2-Hexanone	ND		50.0		ug/Kg			03/29/13 09:20	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 09:20	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/29/13 09:20	1
Acetone	ND		50.0		ug/Kg			03/29/13 09:20	1
Benzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromochloromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromodichloromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromoform	ND		2.00		ug/Kg			03/29/13 09:20	1
Bromomethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Carbon disulfide	ND		5.00		ug/Kg			03/29/13 09:20	1

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

Lab Sample ID: MB 490-68649/6
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		2.00		ug/Kg			03/29/13 09:20	1
Chlorobenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Chloroethane	ND		5.00		ug/Kg			03/29/13 09:20	1
Chloroform	ND		2.00		ug/Kg			03/29/13 09:20	1
Chloromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 09:20	1
Dibromomethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Ethylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/29/13 09:20	1
Isopropylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/29/13 09:20	1
Methylene Chloride	ND		10.0		ug/Kg			03/29/13 09:20	1
Naphthalene	ND		5.00		ug/Kg			03/29/13 09:20	1
n-Butylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
N-Propylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/29/13 09:20	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Styrene	ND		2.00		ug/Kg			03/29/13 09:20	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/29/13 09:20	1
Tetrachloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
Toluene	ND		2.00		ug/Kg			03/29/13 09:20	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 09:20	1
Trichloroethene	ND		2.00		ug/Kg			03/29/13 09:20	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/29/13 09:20	1
Vinyl chloride	ND		2.00		ug/Kg			03/29/13 09:20	1
Xylenes, Total	ND		5.00		ug/Kg			03/29/13 09:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*70 - 130*		*03/29/13 09:20*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/29/13 09:20*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*03/29/13 09:20*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/29/13 09:20*	*1*

Lab Sample ID: LCS 490-68649/3
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.74		ug/Kg		97	80 - 136
1,1,1-Trichloroethane	50.0	48.94		ug/Kg		98	72 - 140
1,1,2,2-Tetrachloroethane	50.0	52.76		ug/Kg		106	66 - 134
1,1,2-Trichloroethane	50.0	45.57		ug/Kg		91	78 - 128
1,1-Dichloroethane	50.0	59.89		ug/Kg		120	75 - 124
1,1-Dichloroethene	50.0	56.36		ug/Kg		113	75 - 131

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

Lab Sample ID: LCS 490-68649/3
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	50.0	53.93		ug/Kg		108	79 - 127
1,2,3-Trichlorobenzene	50.0	55.37		ug/Kg		111	70 - 150
1,2,3-Trichloropropane	50.0	45.38		ug/Kg		91	65 - 139
1,2,4-Trichlorobenzene	50.0	55.70		ug/Kg		111	62 - 150
1,2,4-Trimethylbenzene	50.0	49.16		ug/Kg		98	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	50.69		ug/Kg		101	49 - 142
1,2-Dibromoethane (EDB)	50.0	47.23		ug/Kg		94	80 - 135
1,2-Dichlorobenzene	50.0	51.97		ug/Kg		104	80 - 134
1,2-Dichloroethane	50.0	58.93		ug/Kg		118	65 - 134
1,2-Dichloropropane	50.0	58.53		ug/Kg		117	69 - 120
1,3,5-Trimethylbenzene	50.0	47.65		ug/Kg		95	78 - 138
1,3-Dichlorobenzene	50.0	50.35		ug/Kg		101	79 - 137
1,3-Dichloropropane	50.0	53.57		ug/Kg		107	78 - 126
1,4-Dichlorobenzene	50.0	51.28		ug/Kg		103	77 - 139
2,2-Dichloropropane	50.0	53.21		ug/Kg		106	68 - 145
2-Butanone (MEK)	250	279.4		ug/Kg		112	61 - 132
2-Chlorotoluene	50.0	48.27		ug/Kg		97	78 - 132
2-Hexanone	250	319.0		ug/Kg		128	57 - 148
4-Chlorotoluene	50.0	48.36		ug/Kg		97	77 - 138
4-Methyl-2-pentanone (MIBK)	250	308.9		ug/Kg		124	59 - 138
Acetone	250	282.2		ug/Kg		113	51 - 149
Benzene	50.0	54.01		ug/Kg		108	75 - 127
Bromobenzene	50.0	51.15		ug/Kg		102	75 - 130
Bromochloromethane	50.0	50.14		ug/Kg		100	70 - 132
Bromodichloromethane	50.0	53.39		ug/Kg		107	68 - 135
Bromoform	50.0	53.80		ug/Kg		108	36 - 150
Bromomethane	50.0	46.43		ug/Kg		93	43 - 142
Carbon disulfide	50.0	50.34		ug/Kg		101	74 - 135
Carbon tetrachloride	50.0	44.69		ug/Kg		89	70 - 141
Chlorobenzene	50.0	49.81		ug/Kg		100	84 - 125
Chlorodibromomethane	50.0	46.59		ug/Kg		93	66 - 134
Chloroethane	50.0	58.18		ug/Kg		116	53 - 144
Chloroform	50.0	51.21		ug/Kg		102	76 - 130
Chloromethane	50.0	58.93		ug/Kg		118	23 - 150
cis-1,2-Dichloroethene	50.0	57.33		ug/Kg		115	75 - 125
cis-1,3-Dichloropropene	50.0	53.24		ug/Kg		106	73 - 148
Dibromomethane	50.0	49.64		ug/Kg		99	71 - 130
Dichlorodifluoromethane	50.0	53.74		ug/Kg		107	12 - 144
Ethylbenzene	50.0	52.61		ug/Kg		105	80 - 134
Hexachlorobutadiene	50.0	58.34		ug/Kg		117	65 - 148
Isopropylbenzene	50.0	55.56		ug/Kg		111	80 - 150
Methyl tert-butyl ether	50.0	58.17		ug/Kg		116	70 - 136
Methylene Chloride	50.0	54.95		ug/Kg		110	68 - 144
Naphthalene	50.0	55.15		ug/Kg		110	69 - 150
n-Butylbenzene	50.0	49.18		ug/Kg		98	72 - 152
N-Propylbenzene	50.0	47.89		ug/Kg		96	75 - 137
p-Isopropyltoluene	50.0	49.53		ug/Kg		99	77 - 141
sec-Butylbenzene	50.0	49.64		ug/Kg		99	79 - 141

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

Lab Sample ID: LCS 490-68649/3
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	50.0	53.48		ug/Kg		107	82 - 137
tert-Butylbenzene	50.0	49.78		ug/Kg		100	80 - 132
Tetrachloroethene	50.0	46.80		ug/Kg		94	78 - 140
Toluene	50.0	49.73		ug/Kg		99	80 - 132
trans-1,2-Dichloroethene	50.0	63.72		ug/Kg		127	76 - 128
trans-1,3-Dichloropropene	50.0	52.24		ug/Kg		104	62 - 139
Trichloroethene	50.0	49.59		ug/Kg		99	77 - 127
Trichlorofluoromethane	50.0	44.27		ug/Kg		89	50 - 140
Vinyl chloride	50.0	62.45		ug/Kg		125	47 - 136
Xylenes, Total	150	161.0		ug/Kg		107	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-68649/4
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	49.53		ug/Kg		99	80 - 136	2	50
1,1,1-Trichloroethane	50.0	48.89		ug/Kg		98	72 - 140	0	50
1,1,2,2-Tetrachloroethane	50.0	50.33		ug/Kg		101	66 - 134	5	50
1,1,2-Trichloroethane	50.0	45.81		ug/Kg		92	78 - 128	1	50
1,1-Dichloroethane	50.0	60.40		ug/Kg		121	75 - 124	1	50
1,1-Dichloroethene	50.0	57.63		ug/Kg		115	75 - 131	2	50
1,1-Dichloropropene	50.0	54.20		ug/Kg		108	79 - 127	0	50
1,2,3-Trichlorobenzene	50.0	53.57		ug/Kg		107	70 - 150	3	50
1,2,3-Trichloropropane	50.0	44.59		ug/Kg		89	65 - 139	2	50
1,2,4-Trichlorobenzene	50.0	54.11		ug/Kg		108	62 - 150	3	50
1,2,4-Trimethylbenzene	50.0	51.63		ug/Kg		103	77 - 139	5	50
1,2-Dibromo-3-Chloropropane	50.0	48.81		ug/Kg		98	49 - 142	4	50
1,2-Dibromoethane (EDB)	50.0	46.78		ug/Kg		94	80 - 135	1	50
1,2-Dichlorobenzene	50.0	51.35		ug/Kg		103	80 - 134	1	50
1,2-Dichloroethane	50.0	56.83		ug/Kg		114	65 - 134	4	50
1,2-Dichloropropane	50.0	57.79		ug/Kg		116	69 - 120	1	50
1,3,5-Trimethylbenzene	50.0	50.75		ug/Kg		102	78 - 138	6	50
1,3-Dichlorobenzene	50.0	51.29		ug/Kg		103	79 - 137	2	50
1,3-Dichloropropane	50.0	52.61		ug/Kg		105	78 - 126	2	42
1,4-Dichlorobenzene	50.0	49.85		ug/Kg		100	77 - 139	3	50
2,2-Dichloropropane	50.0	53.02		ug/Kg		106	68 - 145	0	50
2-Butanone (MEK)	250	251.8		ug/Kg		101	61 - 132	10	50
2-Chlorotoluene	50.0	50.11		ug/Kg		100	78 - 132	4	50
2-Hexanone	250	309.6		ug/Kg		124	57 - 148	3	50
4-Chlorotoluene	50.0	50.12		ug/Kg		100	77 - 138	4	50
4-Methyl-2-pentanone (MIBK)	250	290.6		ug/Kg		116	59 - 138	6	50

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

Lab Sample ID: LCSD 490-68649/4
Matrix: Solid
Analysis Batch: 68649

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			250	242.8		ug/Kg		97	51 - 149	15	50
Benzene			50.0	54.00		ug/Kg		108	75 - 127	0	50
Bromobenzene			50.0	52.70		ug/Kg		105	75 - 130	3	50
Bromochloromethane			50.0	47.84		ug/Kg		96	70 - 132	5	50
Bromodichloromethane			50.0	53.03		ug/Kg		106	68 - 135	1	50
Bromoform			50.0	52.13		ug/Kg		104	36 - 150	3	50
Bromomethane			50.0	46.75		ug/Kg		93	43 - 142	1	50
Carbon disulfide			50.0	50.25		ug/Kg		101	74 - 135	0	50
Carbon tetrachloride			50.0	46.26		ug/Kg		93	70 - 141	3	50
Chlorobenzene			50.0	50.88		ug/Kg		102	84 - 125	2	50
Chlorodibromomethane			50.0	45.71		ug/Kg		91	66 - 134	2	50
Chloroethane			50.0	59.69		ug/Kg		119	53 - 144	3	50
Chloroform			50.0	50.53		ug/Kg		101	76 - 130	1	49
Chloromethane			50.0	58.31		ug/Kg		117	23 - 150	1	50
cis-1,2-Dichloroethene			50.0	57.98		ug/Kg		116	75 - 125	1	50
cis-1,3-Dichloropropene			50.0	53.11		ug/Kg		106	73 - 148	0	50
Dibromomethane			50.0	47.19		ug/Kg		94	71 - 130	5	50
Dichlorodifluoromethane			50.0	53.09		ug/Kg		106	12 - 144	1	50
Ethylbenzene			50.0	54.92		ug/Kg		110	80 - 134	4	50
Hexachlorobutadiene			50.0	58.47		ug/Kg		117	65 - 148	0	50
Isopropylbenzene			50.0	57.65		ug/Kg		115	80 - 150	4	50
Methyl tert-butyl ether			50.0	54.80		ug/Kg		110	70 - 136	6	50
Methylene Chloride			50.0	52.96		ug/Kg		106	68 - 144	4	50
Naphthalene			50.0	52.69		ug/Kg		105	69 - 150	5	50
n-Butylbenzene			50.0	52.34		ug/Kg		105	72 - 152	6	50
N-Propylbenzene			50.0	51.65		ug/Kg		103	75 - 137	8	50
p-Isopropyltoluene			50.0	50.39		ug/Kg		101	77 - 141	2	50
sec-Butylbenzene			50.0	52.41		ug/Kg		105	79 - 141	5	50
Styrene			50.0	55.15		ug/Kg		110	82 - 137	3	50
tert-Butylbenzene			50.0	51.81		ug/Kg		104	80 - 132	4	50
Tetrachloroethene			50.0	49.57		ug/Kg		99	78 - 140	6	50
Toluene			50.0	53.00		ug/Kg		106	80 - 132	6	50
trans-1,2-Dichloroethene			50.0	63.73		ug/Kg		127	76 - 128	0	50
trans-1,3-Dichloropropene			50.0	52.51		ug/Kg		105	62 - 139	1	50
Trichloroethene			50.0	49.21		ug/Kg		98	77 - 127	1	50
Trichlorofluoromethane			50.0	45.94		ug/Kg		92	50 - 140	4	50
Vinyl chloride			50.0	63.00		ug/Kg		126	47 - 136	1	50
Xylenes, Total			150	166.5		ug/Kg		111	80 - 137	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 490-68718/6
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,1-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			03/29/13 12:44	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichloroethane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
1,3-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
2,2-Dichloropropane	ND		2.00		ug/Kg			03/29/13 12:44	1
2-Butanone (MEK)	ND		50.0		ug/Kg			03/29/13 12:44	1
2-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
2-Hexanone	ND		50.0		ug/Kg			03/29/13 12:44	1
4-Chlorotoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			03/29/13 12:44	1
Acetone	ND		50.0		ug/Kg			03/29/13 12:44	1
Benzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromochloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromodichloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromoform	ND		2.00		ug/Kg			03/29/13 12:44	1
Bromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Carbon disulfide	ND		5.00		ug/Kg			03/29/13 12:44	1
Carbon tetrachloride	ND		2.00		ug/Kg			03/29/13 12:44	1
Chlorobenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Chlorodibromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Chloroethane	ND		5.00		ug/Kg			03/29/13 12:44	1
Chloroform	ND		2.00		ug/Kg			03/29/13 12:44	1
Chloromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
Dibromomethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Ethylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Hexachlorobutadiene	ND		5.00		ug/Kg			03/29/13 12:44	1
Isopropylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			03/29/13 12:44	1

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

Lab Sample ID: MB 490-68718/6
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		10.0		ug/Kg			03/29/13 12:44	1
Naphthalene	ND		5.00		ug/Kg			03/29/13 12:44	1
n-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
N-Propylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
p-Isopropyltoluene	ND		2.00		ug/Kg			03/29/13 12:44	1
sec-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Styrene	ND		2.00		ug/Kg			03/29/13 12:44	1
tert-Butylbenzene	ND		2.00		ug/Kg			03/29/13 12:44	1
Tetrachloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
Toluene	ND		2.00		ug/Kg			03/29/13 12:44	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			03/29/13 12:44	1
Trichloroethene	ND		2.00		ug/Kg			03/29/13 12:44	1
Trichlorofluoromethane	ND		2.00		ug/Kg			03/29/13 12:44	1
Vinyl chloride	ND		2.00		ug/Kg			03/29/13 12:44	1
Xylenes, Total	ND		5.00		ug/Kg			03/29/13 12:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/29/13 12:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/29/13 12:44*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/29/13 12:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/29/13 12:44*	*1*

Lab Sample ID: MB 490-68718/7
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,1,1-Trichloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,1,2-Trichloroethane	ND		250		ug/Kg			03/29/13 13:15	1
1,1-Dichloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,1-Dichloroethene	ND		100		ug/Kg			03/29/13 13:15	1
1,1-Dichloropropene	ND		100		ug/Kg			03/29/13 13:15	1
1,2,3-Trichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,2,3-Trichloropropane	ND		100		ug/Kg			03/29/13 13:15	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			03/29/13 13:15	1
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			03/29/13 13:15	1
1,2-Dichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,2-Dichloroethane	ND		100		ug/Kg			03/29/13 13:15	1
1,2-Dichloropropane	ND		100		ug/Kg			03/29/13 13:15	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,3-Dichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
1,3-Dichloropropane	ND		100		ug/Kg			03/29/13 13:15	1
1,4-Dichlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1

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

Lab Sample ID: MB 490-68718/7
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		100		ug/Kg			03/29/13 13:15	1
2-Butanone (MEK)	ND		2500		ug/Kg			03/29/13 13:15	1
2-Chlorotoluene	ND		100		ug/Kg			03/29/13 13:15	1
2-Hexanone	ND		2500		ug/Kg			03/29/13 13:15	1
4-Chlorotoluene	ND		100		ug/Kg			03/29/13 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg			03/29/13 13:15	1
Acetone	ND		2500		ug/Kg			03/29/13 13:15	1
Benzene	ND		100		ug/Kg			03/29/13 13:15	1
Bromobenzene	ND		100		ug/Kg			03/29/13 13:15	1
Bromochloromethane	ND		100		ug/Kg			03/29/13 13:15	1
Bromodichloromethane	ND		100		ug/Kg			03/29/13 13:15	1
Bromoform	ND		100		ug/Kg			03/29/13 13:15	1
Bromomethane	ND		100		ug/Kg			03/29/13 13:15	1
Carbon disulfide	ND		250		ug/Kg			03/29/13 13:15	1
Carbon tetrachloride	ND		100		ug/Kg			03/29/13 13:15	1
Chlorobenzene	ND		100		ug/Kg			03/29/13 13:15	1
Chlorodibromomethane	ND		100		ug/Kg			03/29/13 13:15	1
Chloroethane	ND		250		ug/Kg			03/29/13 13:15	1
Chloroform	ND		100		ug/Kg			03/29/13 13:15	1
Chloromethane	ND		100		ug/Kg			03/29/13 13:15	1
cis-1,2-Dichloroethene	ND		100		ug/Kg			03/29/13 13:15	1
cis-1,3-Dichloropropene	ND		100		ug/Kg			03/29/13 13:15	1
Dibromomethane	ND		100		ug/Kg			03/29/13 13:15	1
Dichlorodifluoromethane	ND		100		ug/Kg			03/29/13 13:15	1
Ethylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
Hexachlorobutadiene	ND		250		ug/Kg			03/29/13 13:15	1
Isopropylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
Methyl tert-butyl ether	ND		100		ug/Kg			03/29/13 13:15	1
Methylene Chloride	ND		500		ug/Kg			03/29/13 13:15	1
Naphthalene	ND		250		ug/Kg			03/29/13 13:15	1
n-Butylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
N-Propylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
p-Isopropyltoluene	ND		100		ug/Kg			03/29/13 13:15	1
sec-Butylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
Styrene	ND		100		ug/Kg			03/29/13 13:15	1
tert-Butylbenzene	ND		100		ug/Kg			03/29/13 13:15	1
Tetrachloroethene	ND		100		ug/Kg			03/29/13 13:15	1
Toluene	ND		100		ug/Kg			03/29/13 13:15	1
trans-1,2-Dichloroethene	ND		100		ug/Kg			03/29/13 13:15	1
trans-1,3-Dichloropropene	ND		100		ug/Kg			03/29/13 13:15	1
Trichloroethene	ND		100		ug/Kg			03/29/13 13:15	1
Trichlorofluoromethane	ND		100		ug/Kg			03/29/13 13:15	1
Vinyl chloride	ND		100		ug/Kg			03/29/13 13:15	1
Xylenes, Total	ND		250		ug/Kg			03/29/13 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*03/29/13 13:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*03/29/13 13:15*	*1*

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

Lab Sample ID: MB 490-68718/7
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		70 - 130		03/29/13 13:15	1
Toluene-d8 (Surr)	100		70 - 130		03/29/13 13:15	1

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.73		ug/Kg		89	80 - 136
1,1,1-Trichloroethane	50.0	54.11		ug/Kg		108	72 - 140
1,1,2,2-Tetrachloroethane	50.0	41.72		ug/Kg		83	66 - 134
1,1,2-Trichloroethane	50.0	45.37		ug/Kg		91	78 - 128
1,1-Dichloroethane	50.0	53.14		ug/Kg		106	75 - 124
1,1-Dichloroethene	50.0	62.47		ug/Kg		125	75 - 131
1,1-Dichloropropene	50.0	54.10		ug/Kg		108	79 - 127
1,2,3-Trichlorobenzene	50.0	51.15		ug/Kg		102	70 - 150
1,2,3-Trichloropropane	50.0	40.22		ug/Kg		80	65 - 139
1,2,4-Trichlorobenzene	50.0	52.79		ug/Kg		106	62 - 150
1,2,4-Trimethylbenzene	50.0	42.74		ug/Kg		85	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	45.27		ug/Kg		91	49 - 142
1,2-Dibromoethane (EDB)	50.0	47.91		ug/Kg		96	80 - 135
1,2-Dichlorobenzene	50.0	45.00		ug/Kg		90	80 - 134
1,2-Dichloroethane	50.0	52.13		ug/Kg		104	65 - 134
1,2-Dichloropropane	50.0	46.73		ug/Kg		93	69 - 120
1,3,5-Trimethylbenzene	50.0	43.24		ug/Kg		86	78 - 138
1,3-Dichlorobenzene	50.0	45.70		ug/Kg		91	79 - 137
1,3-Dichloropropane	50.0	44.45		ug/Kg		89	78 - 126
1,4-Dichlorobenzene	50.0	45.66		ug/Kg		91	77 - 139
2,2-Dichloropropane	50.0	49.36		ug/Kg		99	68 - 145
2-Butanone (MEK)	250	318.6		ug/Kg		127	61 - 132
2-Chlorotoluene	50.0	41.93		ug/Kg		84	78 - 132
2-Hexanone	250	248.9		ug/Kg		100	57 - 148
4-Chlorotoluene	50.0	43.04		ug/Kg		86	77 - 138
4-Methyl-2-pentanone (MIBK)	250	253.8		ug/Kg		102	59 - 138
Acetone	250	288.8		ug/Kg		116	51 - 149
Benzene	50.0	52.67		ug/Kg		105	75 - 127
Bromobenzene	50.0	41.12		ug/Kg		82	75 - 130
Bromochloromethane	50.0	55.13		ug/Kg		110	70 - 132
Bromodichloromethane	50.0	48.74		ug/Kg		97	68 - 135
Bromoform	50.0	38.81		ug/Kg		78	36 - 150
Bromomethane	50.0	66.66		ug/Kg		133	43 - 142
Carbon disulfide	50.0	45.79		ug/Kg		92	74 - 135
Carbon tetrachloride	50.0	51.40		ug/Kg		103	70 - 141
Chlorobenzene	50.0	47.64		ug/Kg		95	84 - 125
Chlorodibromomethane	50.0	42.45		ug/Kg		85	66 - 134
Chloroethane	50.0	58.54		ug/Kg		117	53 - 144
Chloroform	50.0	52.28		ug/Kg		105	76 - 130
Chloromethane	50.0	44.69		ug/Kg		89	23 - 150

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

Lab Sample ID: LCS 490-68718/3
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	50.59		ug/Kg		101	75 - 125
cis-1,3-Dichloropropene	50.0	44.04		ug/Kg		88	73 - 148
Dibromomethane	50.0	50.72		ug/Kg		101	71 - 130
Dichlorodifluoromethane	50.0	59.44		ug/Kg		119	12 - 144
Ethylbenzene	50.0	46.60		ug/Kg		93	80 - 134
Hexachlorobutadiene	50.0	48.04		ug/Kg		96	65 - 148
Isopropylbenzene	50.0	46.76		ug/Kg		94	80 - 150
Methyl tert-butyl ether	50.0	48.46		ug/Kg		97	70 - 136
Methylene Chloride	50.0	55.47		ug/Kg		111	68 - 144
Naphthalene	50.0	47.53		ug/Kg		95	69 - 150
n-Butylbenzene	50.0	44.52		ug/Kg		89	72 - 152
N-Propylbenzene	50.0	42.97		ug/Kg		86	75 - 137
p-Isopropyltoluene	50.0	43.11		ug/Kg		86	77 - 141
sec-Butylbenzene	50.0	43.67		ug/Kg		87	79 - 141
Styrene	50.0	47.09		ug/Kg		94	82 - 137
tert-Butylbenzene	50.0	42.97		ug/Kg		86	80 - 132
Tetrachloroethene	50.0	54.15		ug/Kg		108	78 - 140
Toluene	50.0	50.15		ug/Kg		100	80 - 132
trans-1,2-Dichloroethene	50.0	56.17		ug/Kg		112	76 - 128
trans-1,3-Dichloropropene	50.0	39.46		ug/Kg		79	62 - 139
Trichloroethene	50.0	57.35		ug/Kg		115	77 - 127
Trichlorofluoromethane	50.0	57.65		ug/Kg		115	50 - 140
Vinyl chloride	50.0	54.53		ug/Kg		109	47 - 136
Xylenes, Total	150	138.7		ug/Kg		92	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	45.89		ug/Kg		92	80 - 136	3	50
1,1,1-Trichloroethane	50.0	53.67		ug/Kg		107	72 - 140	1	50
1,1,2,2-Tetrachloroethane	50.0	44.68		ug/Kg		89	66 - 134	7	50
1,1,2-Trichloroethane	50.0	47.13		ug/Kg		94	78 - 128	4	50
1,1-Dichloroethane	50.0	52.20		ug/Kg		104	75 - 124	2	50
1,1-Dichloroethene	50.0	61.47		ug/Kg		123	75 - 131	2	50
1,1-Dichloropropene	50.0	53.09		ug/Kg		106	79 - 127	2	50
1,2,3-Trichlorobenzene	50.0	53.04		ug/Kg		106	70 - 150	4	50
1,2,3-Trichloropropane	50.0	42.99		ug/Kg		86	65 - 139	7	50
1,2,4-Trichlorobenzene	50.0	53.73		ug/Kg		107	62 - 150	2	50
1,2,4-Trimethylbenzene	50.0	42.32		ug/Kg		85	77 - 139	1	50
1,2-Dibromo-3-Chloropropane	50.0	48.31		ug/Kg		97	49 - 142	6	50

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

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	50.0	51.89		ug/Kg		104	80 - 135	8	50
1,2-Dichlorobenzene	50.0	45.20		ug/Kg		90	80 - 134	0	50
1,2-Dichloroethane	50.0	53.89		ug/Kg		108	65 - 134	3	50
1,2-Dichloropropane	50.0	47.55		ug/Kg		95	69 - 120	2	50
1,3,5-Trimethylbenzene	50.0	42.48		ug/Kg		85	78 - 138	2	50
1,3-Dichlorobenzene	50.0	45.44		ug/Kg		91	79 - 137	1	50
1,3-Dichloropropane	50.0	46.51		ug/Kg		93	78 - 126	5	42
1,4-Dichlorobenzene	50.0	45.44		ug/Kg		91	77 - 139	0	50
2,2-Dichloropropane	50.0	49.15		ug/Kg		98	68 - 145	0	50
2-Butanone (MEK)	250	310.0		ug/Kg		124	61 - 132	3	50
2-Chlorotoluene	50.0	40.85		ug/Kg		82	78 - 132	3	50
2-Hexanone	250	256.6		ug/Kg		103	57 - 148	3	50
4-Chlorotoluene	50.0	41.66		ug/Kg		83	77 - 138	3	50
4-Methyl-2-pentanone (MIBK)	250	271.6		ug/Kg		109	59 - 138	7	50
Acetone	250	282.4		ug/Kg		113	51 - 149	2	50
Benzene	50.0	51.82		ug/Kg		104	75 - 127	2	50
Bromobenzene	50.0	41.59		ug/Kg		83	75 - 130	1	50
Bromochloromethane	50.0	57.10		ug/Kg		114	70 - 132	4	50
Bromodichloromethane	50.0	50.71		ug/Kg		101	68 - 135	4	50
Bromoform	50.0	43.15		ug/Kg		86	36 - 150	11	50
Bromomethane	50.0	65.84		ug/Kg		132	43 - 142	1	50
Carbon disulfide	50.0	43.40		ug/Kg		87	74 - 135	5	50
Carbon tetrachloride	50.0	51.06		ug/Kg		102	70 - 141	1	50
Chlorobenzene	50.0	46.72		ug/Kg		93	84 - 125	2	50
Chlorodibromomethane	50.0	45.64		ug/Kg		91	66 - 134	7	50
Chloroethane	50.0	55.16		ug/Kg		110	53 - 144	6	50
Chloroform	50.0	51.61		ug/Kg		103	76 - 130	1	49
Chloromethane	50.0	40.55		ug/Kg		81	23 - 150	10	50
cis-1,2-Dichloroethene	50.0	49.45		ug/Kg		99	75 - 125	2	50
cis-1,3-Dichloropropene	50.0	44.70		ug/Kg		89	73 - 148	1	50
Dibromomethane	50.0	54.71		ug/Kg		109	71 - 130	8	50
Dichlorodifluoromethane	50.0	55.10		ug/Kg		110	12 - 144	8	50
Ethylbenzene	50.0	45.84		ug/Kg		92	80 - 134	2	50
Hexachlorobutadiene	50.0	49.34		ug/Kg		99	65 - 148	3	50
Isopropylbenzene	50.0	46.26		ug/Kg		93	80 - 150	1	50
Methyl tert-butyl ether	50.0	52.97		ug/Kg		106	70 - 136	9	50
Methylene Chloride	50.0	54.90		ug/Kg		110	68 - 144	1	50
Naphthalene	50.0	51.30		ug/Kg		103	69 - 150	8	50
n-Butylbenzene	50.0	44.42		ug/Kg		89	72 - 152	0	50
N-Propylbenzene	50.0	41.94		ug/Kg		84	75 - 137	2	50
p-Isopropyltoluene	50.0	42.96		ug/Kg		86	77 - 141	0	50
sec-Butylbenzene	50.0	43.06		ug/Kg		86	79 - 141	1	50
Styrene	50.0	46.27		ug/Kg		93	82 - 137	2	50
tert-Butylbenzene	50.0	43.30		ug/Kg		87	80 - 132	1	50
Tetrachloroethene	50.0	53.36		ug/Kg		107	78 - 140	1	50
Toluene	50.0	48.19		ug/Kg		96	80 - 132	4	50
trans-1,2-Dichloroethene	50.0	54.26		ug/Kg		109	76 - 128	3	50
trans-1,3-Dichloropropene	50.0	41.33		ug/Kg		83	62 - 139	5	50

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

Lab Sample ID: LCSD 490-68718/4
Matrix: Solid
Analysis Batch: 68718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene			50.0	56.29		ug/Kg		113	77 - 127	2	50
Trichlorofluoromethane			50.0	53.42		ug/Kg		107	50 - 140	8	50
Vinyl chloride			50.0	50.88		ug/Kg		102	47 - 136	7	50
Xylenes, Total			150	137.6		ug/Kg		92	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

GC/MS VOA

Prep Batch: 67338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-1	MW-10 (2-3)	Total/NA	Solid	5035	
490-22570-2	MW-10 (3-4)	Total/NA	Solid	5035	
490-22570-3	MW-10 (5-7)	Total/NA	Solid	5035	
490-22570-4	MW-10 (10-12)	Total/NA	Solid	5035	
490-22570-5	MW-10 (15-17)	Total/NA	Solid	5035	
490-22570-7	MW-10 (25-27)	Total/NA	Solid	5035	
490-22570-9	MW-10 (35-37)	Total/NA	Solid	5035	
490-22570-10	MW-10 (40-42)	Total/NA	Solid	5035	
490-22570-11	MW-10 (45-47)	Total/NA	Solid	5035	
490-22570-13	MW-10 (55-57)	Total/NA	Solid	5035	
490-22570-14	MW-10 (60-62)	Total/NA	Solid	5035	
490-22570-15	MW-10 (65-67)	Total/NA	Solid	5035	
490-22570-16 MS	MW-10 (70-72)	Total/NA	Solid	5035	
490-22570-16 MSD	MW-10 (70-72)	Total/NA	Solid	5035	
490-22570-17	MW-9 (5-7)	Total/NA	Solid	5035	
490-22570-18	MW-9 (10-12)	Total/NA	Solid	5035	
490-22570-20	MW-9 (20-22)	Total/NA	Solid	5035	
490-22570-26	MW-9 (50-52)	Total/NA	Solid	5035	

Prep Batch: 67339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-5	MW-10 (15-17)	Total/NA	Solid	5035	
490-22570-6	MW-10 (20-22)	Total/NA	Solid	5035	
490-22570-7	MW-10 (25-27)	Total/NA	Solid	5035	
490-22570-8	MW-10 (30-32)	Total/NA	Solid	5035	
490-22570-9	MW-10 (35-37)	Total/NA	Solid	5035	
490-22570-12	MW-10 (50-52)	Total/NA	Solid	5035	
490-22570-15	MW-10 (65-67)	Total/NA	Solid	5035	
490-22570-16	MW-10 (70-72)	Total/NA	Solid	5035	
490-22570-17	MW-9 (5-7)	Total/NA	Solid	5035	
490-22570-17	MW-9 (5-7)	Total/NA	Solid	5035	
490-22570-18	MW-9 (10-12)	Total/NA	Solid	5035	
490-22570-19	MW-9 (15-17)	Total/NA	Solid	5035	
490-22570-19	MW-9 (15-17)	Total/NA	Solid	5035	
490-22570-20	MW-9 (20-22)	Total/NA	Solid	5035	
490-22570-20	MW-9 (20-22)	Total/NA	Solid	5035	
490-22570-21	MW-9 (25-27)	Total/NA	Solid	5035	
490-22570-22	MW-9 (30-32)	Total/NA	Solid	5035	
490-22570-23	MW-9 (35-37)	Total/NA	Solid	5035	
490-22570-24	MW-9 (40-42)	Total/NA	Solid	5035	
490-22570-24	MW-9 (40-42)	Total/NA	Solid	5035	
490-22570-25	MW-9 (45-47)	Total/NA	Solid	5035	
490-22570-25	MW-9 (45-47)	Total/NA	Solid	5035	
490-22570-27	MW-9 (55-57)	Total/NA	Solid	5035	
490-22570-27	MW-9 (55-57)	Total/NA	Solid	5035	
490-22570-28	MW-9 (60-62)	Total/NA	Solid	5035	
490-22570-28	MW-9 (60-62)	Total/NA	Solid	5035	
490-22570-29	MW-9 (65-67)	Total/NA	Solid	5035	
490-22570-30	Trip Blank	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Analysis Batch: 67975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-1	MW-10 (2-3)	Total/NA	Solid	8260B	67338
490-22570-2	MW-10 (3-4)	Total/NA	Solid	8260B	67338
490-22570-3	MW-10 (5-7)	Total/NA	Solid	8260B	67338
490-22570-4	MW-10 (10-12)	Total/NA	Solid	8260B	67338
490-22570-10	MW-10 (40-42)	Total/NA	Solid	8260B	67338
490-22570-11	MW-10 (45-47)	Total/NA	Solid	8260B	67338
490-22570-13	MW-10 (55-57)	Total/NA	Solid	8260B	67338
490-22570-14	MW-10 (60-62)	Total/NA	Solid	8260B	67338
490-22570-16 MS	MW-10 (70-72)	Total/NA	Solid	8260B	67338
490-22570-16 MSD	MW-10 (70-72)	Total/NA	Solid	8260B	67338
LCS 490-67975/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 490-67975/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-5	MW-10 (15-17)	Total/NA	Solid	8260B	67339
490-22570-6	MW-10 (20-22)	Total/NA	Solid	8260B	67339
490-22570-7	MW-10 (25-27)	Total/NA	Solid	8260B	67339
490-22570-8	MW-10 (30-32)	Total/NA	Solid	8260B	67339
490-22570-9	MW-10 (35-37)	Total/NA	Solid	8260B	67339
490-22570-10	MW-10 (40-42)	Total/NA	Solid	8260B	67338
490-22570-12	MW-10 (50-52)	Total/NA	Solid	8260B	67339
490-22570-13	MW-10 (55-57)	Total/NA	Solid	8260B	67338
490-22570-14	MW-10 (60-62)	Total/NA	Solid	8260B	67338
490-22570-15	MW-10 (65-67)	Total/NA	Solid	8260B	67339
490-22570-15	MW-10 (65-67)	Total/NA	Solid	8260B	67338
490-22570-16	MW-10 (70-72)	Total/NA	Solid	8260B	67339
LCS 490-68052/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68052/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68052/6	Method Blank	Total/NA	Solid	8260B	
MB 490-68052/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-17	MW-9 (5-7)	Total/NA	Solid	8260B	67338
490-22570-18	MW-9 (10-12)	Total/NA	Solid	8260B	67338
490-22570-20	MW-9 (20-22)	Total/NA	Solid	8260B	67338
490-22570-26	MW-9 (50-52)	Total/NA	Solid	8260B	67338
LCS 490-68207/6	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68207/7	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68207/10	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-17	MW-9 (5-7)	Total/NA	Solid	8260B	67339
490-22570-19	MW-9 (15-17)	Total/NA	Solid	8260B	67339
490-22570-20	MW-9 (20-22)	Total/NA	Solid	8260B	67339
490-22570-21	MW-9 (25-27)	Total/NA	Solid	8260B	67339
490-22570-22	MW-9 (30-32)	Total/NA	Solid	8260B	67339
490-22570-23	MW-9 (35-37)	Total/NA	Solid	8260B	67339
490-22570-24	MW-9 (40-42)	Total/NA	Solid	8260B	67339

GC/MS VOA (Continued)

Analysis Batch: 68327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-25	MW-9 (45-47)	Total/NA	Solid	8260B	67339
490-22570-26	MW-9 (50-52)	Total/NA	Solid	8260B	67338
490-22570-27	MW-9 (55-57)	Total/NA	Solid	8260B	67339
490-22570-28	MW-9 (60-62)	Total/NA	Solid	8260B	67339
490-22570-29	MW-9 (65-67)	Total/NA	Solid	8260B	67339
LCS 490-68327/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68327/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68327/6	Method Blank	Total/NA	Solid	8260B	
MB 490-68327/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-30	Trip Blank	Total/NA	Solid	8260B	67339
LCS 490-68361/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68361/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68361/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-1	MW-10 (2-3)	Total/NA	Solid	8260B	67338
490-22570-2	MW-10 (3-4)	Total/NA	Solid	8260B	67338
490-22570-3	MW-10 (5-7)	Total/NA	Solid	8260B	67338
490-22570-5	MW-10 (15-17)	Total/NA	Solid	8260B	67338
490-22570-7	MW-10 (25-27)	Total/NA	Solid	8260B	67338
490-22570-9	MW-10 (35-37)	Total/NA	Solid	8260B	67338
LCS 490-68596/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68596/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68596/9	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-17	MW-9 (5-7)	Total/NA	Solid	8260B	67339
490-22570-18	MW-9 (10-12)	Total/NA	Solid	8260B	67339
490-22570-19	MW-9 (15-17)	Total/NA	Solid	8260B	67339
490-22570-20	MW-9 (20-22)	Total/NA	Solid	8260B	67339
490-22570-24	MW-9 (40-42)	Total/NA	Solid	8260B	67339
490-22570-25	MW-9 (45-47)	Total/NA	Solid	8260B	67339
490-22570-27	MW-9 (55-57)	Total/NA	Solid	8260B	67339
490-22570-28	MW-9 (60-62)	Total/NA	Solid	8260B	67339
LCS 490-68649/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68649/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68649/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 68718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-22570-2	MW-10 (3-4)	Total/NA	Solid	8260B	67338
LCS 490-68718/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-68718/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-68718/6	Method Blank	Total/NA	Solid	8260B	
MB 490-68718/7	Method Blank	Total/NA	Solid	8260B	

Client Sample ID: MW-10 (2-3)

Lab Sample ID: 490-22570-1

Date Collected: 03/19/13 07:55

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 01:14	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		100	68596	03/29/13 02:36	KK	TAL NSH

Client Sample ID: MW-10 (3-4)

Lab Sample ID: 490-22570-2

Date Collected: 03/19/13 08:00

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 01:45	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		200	68596	03/29/13 03:39	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		400	68718	03/29/13 14:17	KK	TAL NSH

Client Sample ID: MW-10 (5-7)

Lab Sample ID: 490-22570-3

Date Collected: 03/19/13 08:50

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 02:16	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		100	68596	03/29/13 03:07	KK	TAL NSH

Client Sample ID: MW-10 (10-12)

Lab Sample ID: 490-22570-4

Date Collected: 03/19/13 09:00

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 02:47	KK	TAL NSH

Client Sample ID: MW-10 (15-17)

Lab Sample ID: 490-22570-5

Date Collected: 03/19/13 09:30

Matrix: Solid

Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 16:26	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-10 (15-17)

Lab Sample ID: 490-22570-5

Date Collected: 03/19/13 09:30
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	68596	03/29/13 01:03	KK	TAL NSH

Client Sample ID: MW-10 (20-22)

Lab Sample ID: 490-22570-6

Date Collected: 03/19/13 09:45
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 16:57	KK	TAL NSH

Client Sample ID: MW-10 (25-27)

Lab Sample ID: 490-22570-7

Date Collected: 03/19/13 10:10
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 17:29	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68596	03/29/13 01:34	KK	TAL NSH

Client Sample ID: MW-10 (30-32)

Lab Sample ID: 490-22570-8

Date Collected: 03/19/13 10:50
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 18:00	KK	TAL NSH

Client Sample ID: MW-10 (35-37)

Lab Sample ID: 490-22570-9

Date Collected: 03/19/13 11:00
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 18:31	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68596	03/29/13 02:05	KK	TAL NSH

Client Sample ID: MW-10 (40-42)

Lab Sample ID: 490-22570-10

Date Collected: 03/19/13 11:20
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 05:54	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 20:37	KK	TAL NSH

Client Sample ID: MW-10 (45-47)

Lab Sample ID: 490-22570-11

Date Collected: 03/19/13 11:40
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 06:25	KK	TAL NSH

Client Sample ID: MW-10 (50-52)

Lab Sample ID: 490-22570-12

Date Collected: 03/19/13 12:25
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 19:03	KK	TAL NSH

Client Sample ID: MW-10 (55-57)

Lab Sample ID: 490-22570-13

Date Collected: 03/19/13 13:10
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 07:27	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 22:11	KK	TAL NSH

Client Sample ID: MW-10 (60-62)

Lab Sample ID: 490-22570-14

Date Collected: 03/19/13 13:50
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		20	67975	03/27/13 07:58	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 20:05	KK	TAL NSH

Client Sample ID: MW-10 (65-67)

Lab Sample ID: 490-22570-15

Date Collected: 03/19/13 14:00
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 21:08	KK	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 21:40	KK	TAL NSH

Client Sample ID: MW-10 (70-72)

Lab Sample ID: 490-22570-16

Date Collected: 03/19/13 14:50
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68052	03/27/13 19:34	KK	TAL NSH

Client Sample ID: MW-9 (5-7)

Lab Sample ID: 490-22570-17

Date Collected: 03/20/13 08:15
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68207	03/27/13 20:41	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 18:03	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 10:21	AF	TAL NSH

Client Sample ID: MW-9 (10-12)

Lab Sample ID: 490-22570-18

Date Collected: 03/20/13 08:40
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68207	03/27/13 21:11	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 10:51	AF	TAL NSH

Client Sample ID: MW-9 (15-17)

Lab Sample ID: 490-22570-19

Date Collected: 03/20/13 08:45
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 10:29	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (15-17)

Lab Sample ID: 490-22570-19

Date Collected: 03/20/13 08:45
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	68649	03/29/13 11:51	AF	TAL NSH

Client Sample ID: MW-9 (20-22)

Lab Sample ID: 490-22570-20

Date Collected: 03/20/13 09:00
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68207	03/27/13 22:11	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 17:02	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 11:21	AF	TAL NSH

Client Sample ID: MW-9 (25-27)

Lab Sample ID: 490-22570-21

Date Collected: 03/20/13 09:10
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 10:59	AF	TAL NSH

Client Sample ID: MW-9 (30-32)

Lab Sample ID: 490-22570-22

Date Collected: 03/20/13 10:00
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 11:29	AF	TAL NSH

Client Sample ID: MW-9 (35-37)

Lab Sample ID: 490-22570-23

Date Collected: 03/20/13 10:25
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 12:00	AF	TAL NSH

Client Sample ID: MW-9 (40-42)

Lab Sample ID: 490-22570-24

Date Collected: 03/20/13 10:40
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 12:30	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 12:21	AF	TAL NSH

Client Sample ID: MW-9 (45-47)

Lab Sample ID: 490-22570-25

Date Collected: 03/20/13 10:51
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 13:00	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 12:52	AF	TAL NSH

Client Sample ID: MW-9 (50-52)

Lab Sample ID: 490-22570-26

Date Collected: 03/20/13 11:05
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		1	68207	03/28/13 01:12	AF	TAL NSH
Total/NA	Prep	5035			67338	03/23/13 19:02	ML	TAL NSH
Total/NA	Analysis	8260B		10	68327	03/28/13 15:01	AF	TAL NSH

Client Sample ID: MW-9 (55-57)

Lab Sample ID: 490-22570-27

Date Collected: 03/20/13 11:20
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 13:30	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68649	03/29/13 13:22	AF	TAL NSH

Client Sample ID: MW-9 (60-62)

Lab Sample ID: 490-22570-28

Date Collected: 03/20/13 12:20
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 14:01	AF	TAL NSH
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-9 (60-62)

Lab Sample ID: 490-22570-28

Date Collected: 03/20/13 12:20
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	68649	03/29/13 13:52	AF	TAL NSH

Client Sample ID: MW-9 (65-67)

Lab Sample ID: 490-22570-29

Date Collected: 03/20/13 12:30
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68327	03/28/13 14:31	AF	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 490-22570-30

Date Collected: 03/19/13 00:01
Matrix: Solid
Date Received: 03/22/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			67339	03/23/13 19:06	ML	TAL NSH
Total/NA	Analysis	8260B		1	68361	03/28/13 12:34	KK	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-22570-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-13 *

Analysis Method	Prep Method	Matrix	Analyte

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FO

490-22570 Chain of Custody

Cooler Received/Opened On 3/22/2013 @ 0800

1. Tracking # 8538 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 0.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) EA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA - Soils

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # N/A

I certify that I unloaded the cooler and answered questions 7-14 (intial) EF

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) EF

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) EF

I certify that I attached a label with the unique LIMS number to each container (intial) EF

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#

BIS = Broken in shipment

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/4/2013

Client Information	Sampler: Michael K DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 914 694 5711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 2
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days): STNDRD			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
				Preservation Code:						
1	MW-10 (2-3)	3/19/13	0755	G	S			X		
2	MW-10 (3-4)		0800							
3	MW-10 (5-7)		0850							
4	MW-10 (10-12)		0900							
5	MW-10 (15-17)		0930							
6	MW-10 (20-22)		0945							
7	MW-10 (25-27)		1010							
8	MW-10 (30-32)		1050							
9	MW-10 (35-37)		1100							
10	MW-10 (40-42)		1120							
11	MW-10 (45-47)		1140							

Loc: 490
22570

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Michael K. DeFelice	3/21/13 1700	LBG, INC.	0.7	3-22-13 08:00	TAN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Michael K. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 9146945711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 2 of 3
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days): STNDRD			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
12	MW-10 (50-52)	3/19/13	1225	G	S			X		
13	MW-10 (55-57)		1310							
14	MW-10 (60-62)		1350							
15	MW-10 (65-67)		1400							
16	MW-10 (70-72)		1450							
17	MW-9 (5-7)	3/20/13	0815							
18	MW-9 (10-12)		0840							
19	MW-9 (15-17)		0845							
20	MW-9 (20-22)		0900							
21	MW-9 (25-27)		0910							
22	MW-9 (30-32		1000							

Loc: 490
22570

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	3/21/13 1700	L36	[signature] 0.7	3-22-13 08:00	TAN
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

4/4/2013

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/4/2013

Client Information	Sampler: Michael K. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 9146945711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 3 of 3
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days): STNDRD			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
	Preservation Code:									
23	MW-9 (35-37)	3/20/13	1025					X		
24	MW-9 (40-42)		1040							
25	MW-9 (45-47)		1051							
26	MW-9 (50-52)		1105							
27	MW-9 (55-57)		1120							
28	MW-9 (60-62)		1220							
29	MW-9 (65-67)		1230							
30	TRIP BLANK	—	—					X		

Loc: 490
22570

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Michael K. DeFelice	3/21/13 1700	LBG		3-22-13 08:00	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Leggette, Brashears & Graham, Inc.

Job Number: 490-22570-1
SDG Number: 202-06 Hillside Avenue, Hollis, NY

Login Number: 22570
List Number: 1
Creator: Ford, Easton

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.7 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-23917-1
TestAmerica SDG: 202-06 Hillside Avenue, Hollis, NY
Client Project/Site: CFI Hollis 70263 / V2114

For:
Leggette, Brashears & Graham, Inc.
110 Corporate Park Drive, Suite 112
White Plains, New York 10604

Attn: Jorma Weber

Authorized for release by:
4/19/2013 1:42:34 PM
Leah Klingensmith
Senior Project Manager
leah.klingensmith@testamericainc.com

Designee for

Sherry Salomon
Project Mgmt. Assistant
sherry.salomon@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 14
QC Association 19
Chronicle 20
Method Summary 21
Certification Summary 22
Chain of Custody 23
Receipt Checklists 25

Sample Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-23917-1	MW-11 (25-30)	Solid	04/05/13 10:00	04/09/13 08:30
490-23917-2	MW-11 (55-60)	Solid	04/05/13 11:20	04/09/13 08:30
490-23917-3	MW-11 (60-65)	Solid	04/05/13 11:30	04/09/13 08:30
490-23917-4	Trip Blank	Solid	04/05/13 00:01	04/09/13 08:30

Job ID: 490-23917-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-23917-1

Comments
No additional comments.

Receipt
The samples were received on 4/9/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 71628 exceeded control limits for the following analytes: 1,1-Dichloroethene, 1,1-Dichloroethane, 1,2-Dichloropropane, and Trichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 71628 were outside control limits. This is attributed to: internal standard failure. MS/MSD was not reportable. See LCS/LCSD for batch precision.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

The laboratory is only responsible for the certified testing and is not responsible for the sample integrity prior to laboratory receipt.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

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

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-11 (25-30)
Date Collected: 04/05/13 10:00
Date Received: 04/09/13 08:30

Lab Sample ID: 490-23917-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,1,1-Trichloroethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,1,2,2-Tetrachloroethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,1,2-Trichloroethane	ND		4.86		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,1-Dichloroethane	ND	*	1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,1-Dichloroethene	ND	*	1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,1-Dichloropropene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2,3-Trichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2,3-Trichloropropane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2,4-Trichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2,4-Trimethylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2-Dibromo-3-Chloropropane	ND		4.86		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2-Dibromoethane (EDB)	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2-Dichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2-Dichloroethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,2-Dichloropropane	ND	*	1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,3,5-Trimethylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,3-Dichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,3-Dichloropropane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
1,4-Dichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
2,2-Dichloropropane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
2-Butanone (MEK)	ND		48.6		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
2-Chlorotoluene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
2-Hexanone	ND		48.6		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
4-Chlorotoluene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
4-Methyl-2-pentanone (MIBK)	ND		48.6		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Acetone	ND		48.6		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Benzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Bromobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Bromochloromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Bromodichloromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Bromoform	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Bromomethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Carbon disulfide	ND		4.86		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Carbon tetrachloride	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Chlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Chlorodibromomethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Chloroethane	ND		4.86		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Chloroform	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Chloromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
cis-1,2-Dichloroethene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
cis-1,3-Dichloropropene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Dibromomethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Dichlorodifluoromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Ethylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Hexachlorobutadiene	ND		4.86		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Isopropylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Methyl tert-butyl ether	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Methylene Chloride	ND		9.72		ug/Kg		04/11/13 10:57	04/11/13 14:02	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-11 (25-30)
Date Collected: 04/05/13 10:00
Date Received: 04/09/13 08:30

Lab Sample ID: 490-23917-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.86		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
n-Butylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
N-Propylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
p-Isopropyltoluene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
sec-Butylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Styrene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
tert-Butylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Tetrachloroethene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Toluene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
trans-1,2-Dichloroethene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
trans-1,3-Dichloropropene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Trichloroethene	ND	*	1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Trichlorofluoromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Vinyl chloride	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:02	1
Xylenes, Total	ND		4.86		ug/Kg		04/11/13 10:57	04/11/13 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*	*04/11/13 10:57*	*04/11/13 14:02*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/11/13 10:57*	*04/11/13 14:02*	*1*
Dibromofluoromethane (Surr)	*124*		*70 - 130*	*04/11/13 10:57*	*04/11/13 14:02*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*	*04/11/13 10:57*	*04/11/13 14:02*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-11 (55-60)
Date Collected: 04/05/13 11:20
Date Received: 04/09/13 08:30

Lab Sample ID: 490-23917-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,1,1-Trichloroethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,1,2,2-Tetrachloroethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,1,2-Trichloroethane	ND		4.84		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,1-Dichloroethane	ND	*	1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,1-Dichloroethene	ND	*	1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,1-Dichloropropene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2,3-Trichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2,3-Trichloropropane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2,4-Trichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2,4-Trimethylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2-Dibromo-3-Chloropropane	ND		4.84		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2-Dibromoethane (EDB)	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2-Dichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2-Dichloroethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,2-Dichloropropane	ND	*	1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,3,5-Trimethylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,3-Dichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,3-Dichloropropane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
1,4-Dichlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
2,2-Dichloropropane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
2-Butanone (MEK)	ND		48.4		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
2-Chlorotoluene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
2-Hexanone	ND		48.4		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
4-Chlorotoluene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
4-Methyl-2-pentanone (MIBK)	ND		48.4		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Acetone	ND		48.4		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Benzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Bromobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Bromochloromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Bromodichloromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Bromoform	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Bromomethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Carbon disulfide	ND		4.84		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Carbon tetrachloride	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Chlorobenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Chlorodibromomethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Chloroethane	ND		4.84		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Chloroform	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Chloromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
cis-1,2-Dichloroethene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
cis-1,3-Dichloropropene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Dibromomethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Dichlorodifluoromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Ethylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Hexachlorobutadiene	ND		4.84		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Isopropylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Methyl tert-butyl ether	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Methylene Chloride	ND		9.69		ug/Kg		04/11/13 10:57	04/11/13 14:32	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-11 (55-60)
Date Collected: 04/05/13 11:20
Date Received: 04/09/13 08:30

Lab Sample ID: 490-23917-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.84		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
n-Butylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
N-Propylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
p-Isopropyltoluene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
sec-Butylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Styrene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
tert-Butylbenzene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Tetrachloroethene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Toluene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
trans-1,2-Dichloroethene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
trans-1,3-Dichloropropene	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Trichloroethene	ND	*	1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Trichlorofluoromethane	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Vinyl chloride	ND		1.94		ug/Kg		04/11/13 10:57	04/11/13 14:32	1
Xylenes, Total	ND		4.84		ug/Kg		04/11/13 10:57	04/11/13 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*04/11/13 10:57*	*04/11/13 14:32*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/11/13 10:57*	*04/11/13 14:32*	*1*
Dibromofluoromethane (Surr)	*119*		*70 - 130*	*04/11/13 10:57*	*04/11/13 14:32*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*04/11/13 10:57*	*04/11/13 14:32*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-11 (60-65)
Date Collected: 04/05/13 11:30
Date Received: 04/09/13 08:30

Lab Sample ID: 490-23917-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,1,1-Trichloroethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,1,2-Trichloroethane	ND		4.63		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,1-Dichloroethane	ND	*	1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,1-Dichloroethene	ND	*	1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,1-Dichloropropene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2,3-Trichlorobenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2,3-Trichloropropane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2,4-Trichlorobenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2,4-Trimethylbenzene	**105**		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2-Dibromo-3-Chloropropane	ND		4.63		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2-Dibromoethane (EDB)	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2-Dichlorobenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2-Dichloroethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,2-Dichloropropane	ND	*	1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,3,5-Trimethylbenzene	**22.2**		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,3-Dichlorobenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,3-Dichloropropane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
1,4-Dichlorobenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
2,2-Dichloropropane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
2-Butanone (MEK)	ND		46.3		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
2-Chlorotoluene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
2-Hexanone	ND		46.3		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
4-Chlorotoluene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		46.3		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Acetone	ND		46.3		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Benzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Bromobenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Bromochloromethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Bromodichloromethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Bromoform	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Bromomethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Carbon disulfide	ND		4.63		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Carbon tetrachloride	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Chlorobenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Chlorodibromomethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Chloroethane	ND		4.63		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Chloroform	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Chloromethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
cis-1,2-Dichloroethene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
cis-1,3-Dichloropropene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Dibromomethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Dichlorodifluoromethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Ethylbenzene	**92.0**		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Hexachlorobutadiene	ND		4.63		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Isopropylbenzene	**2.10**		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Methyl tert-butyl ether	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Methylene Chloride	ND		9.26		ug/Kg		04/11/13 10:57	04/11/13 15:02	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-11 (60-65)
Date Collected: 04/05/13 11:30
Date Received: 04/09/13 08:30

Lab Sample ID: 490-23917-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**51.6**		4.63		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
n-Butylbenzene	**2.44**		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
N-Propylbenzene	**7.59**		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
p-Isopropyltoluene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
sec-Butylbenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Styrene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
tert-Butylbenzene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Tetrachloroethene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Toluene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
trans-1,2-Dichloroethene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
trans-1,3-Dichloropropene	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Trichloroethene	ND	*	1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Trichlorofluoromethane	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Vinyl chloride	ND		1.85		ug/Kg		04/11/13 10:57	04/11/13 15:02	1
Xylenes, Total	**441**		4.63		ug/Kg		04/11/13 10:57	04/11/13 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*04/11/13 10:57*	*04/11/13 15:02*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/11/13 10:57*	*04/11/13 15:02*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 130*	*04/11/13 10:57*	*04/11/13 15:02*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*04/11/13 10:57*	*04/11/13 15:02*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 04/05/13 00:01
Date Received: 04/09/13 08:30

Lab Sample ID: 490-23917-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,1-Dichloroethane	ND	*	2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,1-Dichloroethene	ND	*	2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,1-Dichloropropene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2-Dichloroethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,2-Dichloropropane	ND	*	2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,3-Dichloropropane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
2,2-Dichloropropane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
2-Butanone (MEK)	ND		50.0		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
2-Chlorotoluene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
2-Hexanone	ND		50.0		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
4-Chlorotoluene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Acetone	ND		50.0		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Benzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Bromobenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Bromochloromethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Bromodichloromethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Bromoform	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Bromomethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Carbon disulfide	ND		5.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Carbon tetrachloride	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Chlorobenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Chlorodibromomethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Chloroethane	ND		5.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Chloroform	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Chloromethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Dibromomethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Dichlorodifluoromethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Ethylbenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Hexachlorobutadiene	ND		5.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Isopropylbenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Methyl tert-butyl ether	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Methylene Chloride	ND		10.0		ug/Kg		04/11/13 10:57	04/11/13 13:32	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 04/05/13 00:01
Date Received: 04/09/13 08:30

Lab Sample ID: 490-23917-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
n-Butylbenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
N-Propylbenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
p-Isopropyltoluene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
sec-Butylbenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Styrene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
tert-Butylbenzene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Tetrachloroethene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Toluene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Trichloroethene	ND	*	2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Trichlorofluoromethane	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Vinyl chloride	ND		2.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1
Xylenes, Total	ND		5.00		ug/Kg		04/11/13 10:57	04/11/13 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*	*04/11/13 10:57*	*04/11/13 13:32*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/11/13 10:57*	*04/11/13 13:32*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*	*04/11/13 10:57*	*04/11/13 13:32*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*04/11/13 10:57*	*04/11/13 13:32*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-71628/7
Matrix: Solid
Analysis Batch: 71628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.00		ug/Kg			04/11/13 13:02	1
1,1,1-Trichloroethane	ND		2.00		ug/Kg			04/11/13 13:02	1
1,1,2,2-Tetrachloroethane	ND		2.00		ug/Kg			04/11/13 13:02	1
1,1,2-Trichloroethane	ND		5.00		ug/Kg			04/11/13 13:02	1
1,1-Dichloroethane	ND		2.00		ug/Kg			04/11/13 13:02	1
1,1-Dichloroethene	ND		2.00		ug/Kg			04/11/13 13:02	1
1,1-Dichloropropene	ND		2.00		ug/Kg			04/11/13 13:02	1
1,2,3-Trichlorobenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
1,2,3-Trichloropropane	ND		2.00		ug/Kg			04/11/13 13:02	1
1,2,4-Trichlorobenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
1,2,4-Trimethylbenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
1,2-Dibromo-3-Chloropropane	ND		5.00		ug/Kg			04/11/13 13:02	1
1,2-Dibromoethane (EDB)	ND		2.00		ug/Kg			04/11/13 13:02	1
1,2-Dichlorobenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
1,2-Dichloroethane	ND		2.00		ug/Kg			04/11/13 13:02	1
1,2-Dichloropropane	ND		2.00		ug/Kg			04/11/13 13:02	1
1,3,5-Trimethylbenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
1,3-Dichlorobenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
1,3-Dichloropropane	ND		2.00		ug/Kg			04/11/13 13:02	1
1,4-Dichlorobenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
2,2-Dichloropropane	ND		2.00		ug/Kg			04/11/13 13:02	1
2-Butanone (MEK)	ND		50.0		ug/Kg			04/11/13 13:02	1
2-Chlorotoluene	ND		2.00		ug/Kg			04/11/13 13:02	1
2-Hexanone	ND		50.0		ug/Kg			04/11/13 13:02	1
4-Chlorotoluene	ND		2.00		ug/Kg			04/11/13 13:02	1
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/Kg			04/11/13 13:02	1
Acetone	ND		50.0		ug/Kg			04/11/13 13:02	1
Benzene	ND		2.00		ug/Kg			04/11/13 13:02	1
Bromobenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
Bromochloromethane	ND		2.00		ug/Kg			04/11/13 13:02	1
Bromodichloromethane	ND		2.00		ug/Kg			04/11/13 13:02	1
Bromoform	ND		2.00		ug/Kg			04/11/13 13:02	1
Bromomethane	ND		2.00		ug/Kg			04/11/13 13:02	1
Carbon disulfide	ND		5.00		ug/Kg			04/11/13 13:02	1
Carbon tetrachloride	ND		2.00		ug/Kg			04/11/13 13:02	1
Chlorobenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
Chlorodibromomethane	ND		2.00		ug/Kg			04/11/13 13:02	1
Chloroethane	ND		5.00		ug/Kg			04/11/13 13:02	1
Chloroform	ND		2.00		ug/Kg			04/11/13 13:02	1
Chloromethane	ND		2.00		ug/Kg			04/11/13 13:02	1
cis-1,2-Dichloroethene	ND		2.00		ug/Kg			04/11/13 13:02	1
cis-1,3-Dichloropropene	ND		2.00		ug/Kg			04/11/13 13:02	1
Dibromomethane	ND		2.00		ug/Kg			04/11/13 13:02	1
Dichlorodifluoromethane	ND		2.00		ug/Kg			04/11/13 13:02	1
Ethylbenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
Hexachlorobutadiene	ND		5.00		ug/Kg			04/11/13 13:02	1
Isopropylbenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
Methyl tert-butyl ether	ND		2.00		ug/Kg			04/11/13 13:02	1

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

Lab Sample ID: MB 490-71628/7
Matrix: Solid
Analysis Batch: 71628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		10.0		ug/Kg			04/11/13 13:02	1
Naphthalene	ND		5.00		ug/Kg			04/11/13 13:02	1
n-Butylbenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
N-Propylbenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
p-Isopropyltoluene	ND		2.00		ug/Kg			04/11/13 13:02	1
sec-Butylbenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
Styrene	ND		2.00		ug/Kg			04/11/13 13:02	1
tert-Butylbenzene	ND		2.00		ug/Kg			04/11/13 13:02	1
Tetrachloroethene	ND		2.00		ug/Kg			04/11/13 13:02	1
Toluene	ND		2.00		ug/Kg			04/11/13 13:02	1
trans-1,2-Dichloroethene	ND		2.00		ug/Kg			04/11/13 13:02	1
trans-1,3-Dichloropropene	ND		2.00		ug/Kg			04/11/13 13:02	1
Trichloroethene	ND		2.00		ug/Kg			04/11/13 13:02	1
Trichlorofluoromethane	ND		2.00		ug/Kg			04/11/13 13:02	1
Vinyl chloride	ND		2.00		ug/Kg			04/11/13 13:02	1
Xylenes, Total	ND		5.00		ug/Kg			04/11/13 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*04/11/13 13:02*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/11/13 13:02*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*04/11/13 13:02*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*04/11/13 13:02*	*1*

Lab Sample ID: LCS 490-71628/3
Matrix: Solid
Analysis Batch: 71628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	50.36		ug/Kg		101	80 - 136
1,1,1-Trichloroethane	50.0	59.25		ug/Kg		118	72 - 140
1,1,2,2-Tetrachloroethane	50.0	55.87		ug/Kg		112	66 - 134
1,1,2-Trichloroethane	50.0	54.28		ug/Kg		109	78 - 128
1,1-Dichloroethane	50.0	62.44	*	ug/Kg		125	75 - 124
1,1-Dichloroethene	50.0	63.56		ug/Kg		127	75 - 131
1,1-Dichloropropene	50.0	53.25		ug/Kg		106	79 - 127
1,2,3-Trichlorobenzene	50.0	53.29		ug/Kg		107	70 - 150
1,2,3-Trichloropropane	50.0	53.69		ug/Kg		107	65 - 139
1,2,4-Trichlorobenzene	50.0	52.13		ug/Kg		104	62 - 150
1,2,4-Trimethylbenzene	50.0	47.29		ug/Kg		95	77 - 139
1,2-Dibromo-3-Chloropropane	50.0	55.41		ug/Kg		111	49 - 142
1,2-Dibromoethane (EDB)	50.0	53.54		ug/Kg		107	80 - 135
1,2-Dichlorobenzene	50.0	54.44		ug/Kg		109	80 - 134
1,2-Dichloroethane	50.0	55.79		ug/Kg		112	65 - 134
1,2-Dichloropropane	50.0	84.65	*	ug/Kg		169	69 - 120
1,3,5-Trimethylbenzene	50.0	43.39		ug/Kg		87	78 - 138
1,3-Dichlorobenzene	50.0	54.75		ug/Kg		109	79 - 137
1,3-Dichloropropane	50.0	52.59		ug/Kg		105	78 - 126
1,4-Dichlorobenzene	50.0	55.06		ug/Kg		110	77 - 139

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

Lab Sample ID: LCS 490-71628/3
Matrix: Solid
Analysis Batch: 71628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	59.36		ug/Kg		119	68 - 145
2-Butanone (MEK)	250	235.4		ug/Kg		94	61 - 132
2-Chlorotoluene	50.0	52.16		ug/Kg		104	78 - 132
2-Hexanone	250	239.7		ug/Kg		96	57 - 148
4-Chlorotoluene	50.0	53.72		ug/Kg		107	77 - 138
4-Methyl-2-pentanone (MIBK)	250	248.7		ug/Kg		99	59 - 138
Acetone	250	249.5		ug/Kg		100	51 - 149
Benzene	50.0	58.00		ug/Kg		116	75 - 127
Bromobenzene	50.0	48.42		ug/Kg		97	75 - 130
Bromochloromethane	50.0	61.13		ug/Kg		122	70 - 132
Bromodichloromethane	50.0	60.29		ug/Kg		121	68 - 135
Bromoform	50.0	55.15		ug/Kg		110	36 - 150
Bromomethane	50.0	38.23		ug/Kg		76	43 - 142
Carbon disulfide	50.0	57.90		ug/Kg		116	74 - 135
Carbon tetrachloride	50.0	57.71		ug/Kg		115	70 - 141
Chlorobenzene	50.0	57.25		ug/Kg		115	84 - 125
Chlorodibromomethane	50.0	54.48		ug/Kg		109	66 - 134
Chloroethane	50.0	53.34		ug/Kg		107	53 - 144
Chloroform	50.0	61.77		ug/Kg		124	76 - 130
Chloromethane	50.0	39.91		ug/Kg		80	23 - 150
cis-1,2-Dichloroethene	50.0	59.33		ug/Kg		119	75 - 125
cis-1,3-Dichloropropene	50.0	49.01		ug/Kg		98	73 - 148
Dibromomethane	50.0	60.82		ug/Kg		122	71 - 130
Dichlorodifluoromethane	50.0	45.97		ug/Kg		92	12 - 144
Ethylbenzene	50.0	56.15		ug/Kg		112	80 - 134
Hexachlorobutadiene	50.0	49.04		ug/Kg		98	65 - 148
Isopropylbenzene	50.0	55.38		ug/Kg		111	80 - 150
Methyl tert-butyl ether	50.0	54.26		ug/Kg		109	70 - 136
Methylene Chloride	50.0	60.65		ug/Kg		121	68 - 144
Naphthalene	50.0	45.85		ug/Kg		92	69 - 150
n-Butylbenzene	50.0	51.12		ug/Kg		102	72 - 152
N-Propylbenzene	50.0	52.50		ug/Kg		105	75 - 137
p-Isopropyltoluene	50.0	44.13		ug/Kg		88	77 - 141
sec-Butylbenzene	50.0	52.08		ug/Kg		104	79 - 141
Styrene	50.0	53.27		ug/Kg		107	82 - 137
tert-Butylbenzene	50.0	44.05		ug/Kg		88	80 - 132
Tetrachloroethene	50.0	58.27		ug/Kg		117	78 - 140
Toluene	50.0	54.55		ug/Kg		109	80 - 132
trans-1,2-Dichloroethene	50.0	60.87		ug/Kg		122	76 - 128
trans-1,3-Dichloropropene	50.0	48.36		ug/Kg		97	62 - 139
Trichloroethene	50.0	73.33	*	ug/Kg		147	77 - 127
Trichlorofluoromethane	50.0	51.87		ug/Kg		104	50 - 140
Vinyl chloride	50.0	50.89		ug/Kg		102	47 - 136
Xylenes, Total	150	163.4		ug/Kg		109	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: LCS 490-71628/3
Matrix: Solid
Analysis Batch: 71628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	105		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 490-71628/4
Matrix: Solid
Analysis Batch: 71628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			50.0	54.79		ug/Kg		110	80 - 136	8	50
1,1,1-Trichloroethane			50.0	61.89		ug/Kg		124	72 - 140	4	50
1,1,2,2-Tetrachloroethane			50.0	55.44		ug/Kg		111	66 - 134	1	50
1,1,2-Trichloroethane			50.0	57.51		ug/Kg		115	78 - 128	6	50
1,1-Dichloroethane			50.0	63.02	*	ug/Kg		126	75 - 124	1	50
1,1-Dichloroethene			50.0	65.90	*	ug/Kg		132	75 - 131	4	50
1,1-Dichloropropene			50.0	55.17		ug/Kg		110	79 - 127	4	50
1,2,3-Trichlorobenzene			50.0	55.03		ug/Kg		110	70 - 150	3	50
1,2,3-Trichloropropane			50.0	53.33		ug/Kg		107	65 - 139	1	50
1,2,4-Trichlorobenzene			50.0	53.59		ug/Kg		107	62 - 150	3	50
1,2,4-Trimethylbenzene			50.0	51.04		ug/Kg		102	77 - 139	8	50
1,2-Dibromo-3-Chloropropane			50.0	53.61		ug/Kg		107	49 - 142	3	50
1,2-Dibromoethane (EDB)			50.0	55.36		ug/Kg		111	80 - 135	3	50
1,2-Dichlorobenzene			50.0	56.79		ug/Kg		114	80 - 134	4	50
1,2-Dichloroethane			50.0	57.33		ug/Kg		115	65 - 134	3	50
1,2-Dichloropropane			50.0	52.86		ug/Kg		106	69 - 120	46	50
1,3,5-Trimethylbenzene			50.0	47.55		ug/Kg		95	78 - 138	9	50
1,3-Dichlorobenzene			50.0	56.71		ug/Kg		113	79 - 137	4	50
1,3-Dichloropropane			50.0	53.02		ug/Kg		106	78 - 126	1	42
1,4-Dichlorobenzene			50.0	57.71		ug/Kg		115	77 - 139	5	50
2,2-Dichloropropane			50.0	61.42		ug/Kg		123	68 - 145	3	50
2-Butanone (MEK)			250	244.7		ug/Kg		98	61 - 132	4	50
2-Chlorotoluene			50.0	54.80		ug/Kg		110	78 - 132	5	50
2-Hexanone			250	248.5		ug/Kg		99	57 - 148	4	50
4-Chlorotoluene			50.0	56.43		ug/Kg		113	77 - 138	5	50
4-Methyl-2-pentanone (MIBK)			250	254.0		ug/Kg		102	59 - 138	2	50
Acetone			250	245.2		ug/Kg		98	51 - 149	2	50
Benzene			50.0	60.98		ug/Kg		122	75 - 127	5	50
Bromobenzene			50.0	49.47		ug/Kg		99	75 - 130	2	50
Bromochloromethane			50.0	60.38		ug/Kg		121	70 - 132	1	50
Bromodichloromethane			50.0	64.24		ug/Kg		128	68 - 135	6	50
Bromoform			50.0	56.09		ug/Kg		112	36 - 150	2	50
Bromomethane			50.0	38.25		ug/Kg		77	43 - 142	0	50
Carbon disulfide			50.0	59.66		ug/Kg		119	74 - 135	3	50
Carbon tetrachloride			50.0	59.12		ug/Kg		118	70 - 141	2	50
Chlorobenzene			50.0	61.31		ug/Kg		123	84 - 125	7	50
Chlorodibromomethane			50.0	54.30		ug/Kg		109	66 - 134	0	50
Chloroethane			50.0	50.76		ug/Kg		102	53 - 144	5	50
Chloroform			50.0	63.83		ug/Kg		128	76 - 130	3	49
Chloromethane			50.0	43.69		ug/Kg		87	23 - 150	9	50

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

Lab Sample ID: LCSD 490-71628/4
Matrix: Solid
Analysis Batch: 71628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			50.0	60.49		ug/Kg		121	75 - 125	2	50
cis-1,3-Dichloropropene			50.0	52.60		ug/Kg		105	73 - 148	7	50
Dibromomethane			50.0	61.68		ug/Kg		123	71 - 130	1	50
Dichlorodifluoromethane			50.0	45.65		ug/Kg		91	12 - 144	1	50
Ethylbenzene			50.0	59.82		ug/Kg		120	80 - 134	6	50
Hexachlorobutadiene			50.0	52.89		ug/Kg		106	65 - 148	8	50
Isopropylbenzene			50.0	60.04		ug/Kg		120	80 - 150	8	50
Methyl tert-butyl ether			50.0	55.28		ug/Kg		111	70 - 136	2	50
Methylene Chloride			50.0	60.36		ug/Kg		121	68 - 144	0	50
Naphthalene			50.0	45.98		ug/Kg		92	69 - 150	0	50
n-Butylbenzene			50.0	56.43		ug/Kg		113	72 - 152	10	50
N-Propylbenzene			50.0	56.19		ug/Kg		112	75 - 137	7	50
p-Isopropyltoluene			50.0	47.22		ug/Kg		94	77 - 141	7	50
sec-Butylbenzene			50.0	56.73		ug/Kg		113	79 - 141	9	50
Styrene			50.0	56.01		ug/Kg		112	82 - 137	5	50
tert-Butylbenzene			50.0	47.76		ug/Kg		96	80 - 132	8	50
Tetrachloroethene			50.0	62.97		ug/Kg		126	78 - 140	8	50
Toluene			50.0	57.59		ug/Kg		115	80 - 132	5	50
trans-1,2-Dichloroethene			50.0	63.43		ug/Kg		127	76 - 128	4	50
trans-1,3-Dichloropropene			50.0	50.50		ug/Kg		101	62 - 139	4	50
Trichloroethene			50.0	56.00		ug/Kg		112	77 - 127	27	50
Trichlorofluoromethane			50.0	51.31		ug/Kg		103	50 - 140	1	50
Vinyl chloride			50.0	50.10		ug/Kg		100	47 - 136	2	50
Xylenes, Total			150	173.5		ug/Kg		116	80 - 137	6	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

QC Association Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

GC/MS VOA

Analysis Batch: 71628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23917-1	MW-11 (25-30)	Total/NA	Solid	8260B	71690
490-23917-2	MW-11 (55-60)	Total/NA	Solid	8260B	71690
490-23917-3	MW-11 (60-65)	Total/NA	Solid	8260B	71690
490-23917-4	Trip Blank	Total/NA	Solid	8260B	71690
LCS 490-71628/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-71628/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-71628/7	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 71690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23917-1	MW-11 (25-30)	Total/NA	Solid	5035	
490-23917-2	MW-11 (55-60)	Total/NA	Solid	5035	
490-23917-3	MW-11 (60-65)	Total/NA	Solid	5035	
490-23917-4	Trip Blank	Total/NA	Solid	5035	

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Client Sample ID: MW-11 (25-30)

Lab Sample ID: 490-23917-1

Date Collected: 04/05/13 10:00
Matrix: Solid
Date Received: 04/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			71690	04/11/13 10:57	ML	TAL NSH
Total/NA	Analysis	8260B		1	71628	04/11/13 14:02	MH	TAL NSH

Client Sample ID: MW-11 (55-60)

Lab Sample ID: 490-23917-2

Date Collected: 04/05/13 11:20
Matrix: Solid
Date Received: 04/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			71690	04/11/13 10:57	ML	TAL NSH
Total/NA	Analysis	8260B		1	71628	04/11/13 14:32	MH	TAL NSH

Client Sample ID: MW-11 (60-65)

Lab Sample ID: 490-23917-3

Date Collected: 04/05/13 11:30
Matrix: Solid
Date Received: 04/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			71690	04/11/13 10:57	ML	TAL NSH
Total/NA	Analysis	8260B		1	71628	04/11/13 15:02	MH	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 490-23917-4

Date Collected: 04/05/13 00:01
Matrix: Solid
Date Received: 04/09/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			71690	04/11/13 10:57	ML	TAL NSH
Total/NA	Analysis	8260B		1	71628	04/11/13 13:32	MH	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-23917-1
SDG: 202-06 Hillside Avenue, Hollis, NY

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	04-01-14

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-23917 Chain of Custody

Cooler Received/Opened On 4/9/2013 @ 0830

1. Tracking # 0572 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

TestAmerica Nashville
Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/19/2013

Client Information	Sampler: Michael K. DeFelice	Lab PM: Salomon, Sherry	Carrier Tracking No(s):	COC No: 490-9412-4255.1
Client Contact: Mr. Michael DeFelice	Phone: 914 694 5711	E-Mail: sherry.salomon@testamericainc.com		Page: Page 1 of 1
Company: Leggette, Brashears & Graham, Inc.				Job #:
Address: 110 Corporate Park Drive, Suite 112	Due Date Requested:			
City: White Plains	TAT Requested (days): STNDRD			
State, Zip: NY, 10604				
Phone: 914-694-5711(Tel)	PO #: 39120			
Email: defelice@lbgny.com	WO #:			
Project Name: CFI Hollis 70263 / V2114	Project #: 49000929			
Site: 202-06 Hillside Avenue, Hollis, NY	SSOW#:			

Analysis Requested

Loc: 490
23917

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
Preservation Code:									
MW-11 (25-30)	4/5/13	1000	G	S			X		01
MW-11 (55-60)		1120							2
MW-11 (60-65)		1130							3
TRIP BLANK							X		4

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Michael K DeFelice	4/8/13 1700	LBG	TAN 1-7	04/08/13 0830	TA Nashville
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Leggette, Brashears & Graham, Inc.

Job Number: 490-23917-1
SDG Number: 202-06 Hillside Avenue, Hollis, NY

Login Number: 23917
List Number: 1
Creator: Gambill, Shane

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-26253-1
TestAmerica SDG: 202-06 Hillside Ave, Hollis, NY
Client Project/Site: CFI Hollis 70263 / V2114

For:
Leggette, Brashears & Graham, Inc.
110 Corporate Park Drive, Suite 112
White Plains, New York 10604

Attn: Jorma Weber

Sherry M Salomon

Authorized for release by:
5/17/2013 11:12:09 AM

Sherry Salomon, Project Mgmt. Assistant
sherry.salomon@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 28
QC Association 38
Chronicle 39
Method Summary 41
Certification Summary 42
Chain of Custody 43
Receipt Checklists 45

Sample Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26253-1	MW-8	Water	05/07/13 10:33	05/10/13 08:10
490-26253-2	MW-10	Water	05/07/13 11:42	05/10/13 08:10
490-26253-3	MW-9	Water	05/07/13 12:25	05/10/13 08:10
490-26253-4	MW-2	Water	05/07/13 13:30	05/10/13 08:10
490-26253-5	MW-7	Water	05/07/13 14:35	05/10/13 08:10
490-26253-6	MW-1	Water	05/07/13 15:15	05/10/13 08:10
490-26253-7	MW-5	Water	05/08/13 10:45	05/10/13 08:10
490-26253-8	MW-11	Water	05/08/13 11:43	05/10/13 08:10
490-26253-9	MW-4	Water	05/08/13 13:42	05/10/13 08:10
490-26253-10	MW-3	Water	05/08/13 14:26	05/10/13 08:10
490-26253-11	Trip Blank	Water	05/07/13 00:01	05/10/13 08:10

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Job ID: 490-26253-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-26253-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2013 at 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
Method(s) 8260B: Insufficient sample volumes were available to perform matrix spikes/matrix spike duplicates (MS/MSD) associated with analysis batches 78772 and 79466.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

The laboratory is only responsible for the certified testing and is not responsible for the sample integrity prior to laboratory receipt.

Glossary

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

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-8
Date Collected: 05/07/13 10:33
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/13/13 20:12	1
Benzene	ND		1.00		ug/L			05/13/13 20:12	1
Bromobenzene	ND		1.00		ug/L			05/13/13 20:12	1
Bromochloromethane	ND		1.00		ug/L			05/13/13 20:12	1
Bromodichloromethane	ND		1.00		ug/L			05/13/13 20:12	1
Bromoform	ND		1.00		ug/L			05/13/13 20:12	1
Bromomethane	ND		1.00		ug/L			05/13/13 20:12	1
2-Butanone (MEK)	ND		50.0		ug/L			05/13/13 20:12	1
Carbon disulfide	ND		1.00		ug/L			05/13/13 20:12	1
Carbon tetrachloride	ND		1.00		ug/L			05/13/13 20:12	1
Chlorobenzene	ND		1.00		ug/L			05/13/13 20:12	1
Chlorodibromomethane	ND		1.00		ug/L			05/13/13 20:12	1
Chloroethane	ND		1.00		ug/L			05/13/13 20:12	1
Chloroform	ND		1.00		ug/L			05/13/13 20:12	1
Chloromethane	ND		1.00		ug/L			05/13/13 20:12	1
2-Chlorotoluene	ND		1.00		ug/L			05/13/13 20:12	1
4-Chlorotoluene	ND		1.00		ug/L			05/13/13 20:12	1
cis-1,2-Dichloroethene	**73.6**		1.00		ug/L			05/13/13 20:12	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 20:12	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/13/13 20:12	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/13/13 20:12	1
Dibromomethane	ND		1.00		ug/L			05/13/13 20:12	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/13/13 20:12	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/13/13 20:12	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/13/13 20:12	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/13/13 20:12	1
1,1-Dichloroethane	ND		1.00		ug/L			05/13/13 20:12	1
1,2-Dichloroethane	ND		1.00		ug/L			05/13/13 20:12	1
1,1-Dichloroethene	ND		1.00		ug/L			05/13/13 20:12	1
1,2-Dichloropropane	ND		1.00		ug/L			05/13/13 20:12	1
1,3-Dichloropropane	ND		1.00		ug/L			05/13/13 20:12	1
2,2-Dichloropropane	ND		1.00		ug/L			05/13/13 20:12	1
1,1-Dichloropropene	ND		1.00		ug/L			05/13/13 20:12	1
Ethylbenzene	**146**		1.00		ug/L			05/13/13 20:12	1
Hexachlorobutadiene	ND		2.00		ug/L			05/13/13 20:12	1
2-Hexanone	ND		10.0		ug/L			05/13/13 20:12	1
Isopropylbenzene	**72.3**		1.00		ug/L			05/13/13 20:12	1
Methylene Chloride	ND		5.00		ug/L			05/13/13 20:12	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/13/13 20:12	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/13/13 20:12	1
Naphthalene	**216**		100		ug/L			05/15/13 19:28	20
n-Butylbenzene	**130**		1.00		ug/L			05/13/13 20:12	1
N-Propylbenzene	**296**		20.0		ug/L			05/15/13 19:28	20
p-Isopropyltoluene	**15.2**		1.00		ug/L			05/13/13 20:12	1
sec-Butylbenzene	**20.5**		1.00		ug/L			05/13/13 20:12	1
Styrene	ND		1.00		ug/L			05/13/13 20:12	1
tert-Butylbenzene	ND		1.00		ug/L			05/13/13 20:12	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 20:12	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 20:12	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-8
Date Collected: 05/07/13 10:33
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**491**		20.0		ug/L			05/15/13 19:28	20
Toluene	**14.5**		1.00		ug/L			05/13/13 20:12	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/13/13 20:12	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 20:12	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/13/13 20:12	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/13/13 20:12	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/13/13 20:12	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/13/13 20:12	1
Trichloroethene	**103**		1.00		ug/L			05/13/13 20:12	1
Trichlorofluoromethane	ND		1.00		ug/L			05/13/13 20:12	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/13/13 20:12	1
1,2,4-Trimethylbenzene	**2490**		20.0		ug/L			05/15/13 19:28	20
1,3,5-Trimethylbenzene	**844**		20.0		ug/L			05/15/13 19:28	20
Vinyl chloride	**1.10**		1.00		ug/L			05/13/13 20:12	1
Xylenes, Total	**548**		3.00		ug/L			05/13/13 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*05/13/13 20:12*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*05/15/13 19:28*	*20*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/13/13 20:12*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/15/13 19:28*	*20*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*05/13/13 20:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*05/15/13 19:28*	*20*
Toluene-d8 (Surr)	*95*		*70 - 130*		*05/13/13 20:12*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/15/13 19:28*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-10
Date Collected: 05/07/13 11:42
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/15/13 19:56	1
Benzene	ND		1.00		ug/L			05/15/13 19:56	1
Bromobenzene	ND		1.00		ug/L			05/15/13 19:56	1
Bromochloromethane	ND		1.00		ug/L			05/15/13 19:56	1
Bromodichloromethane	ND		1.00		ug/L			05/15/13 19:56	1
Bromoform	ND		1.00		ug/L			05/15/13 19:56	1
Bromomethane	ND		1.00		ug/L			05/15/13 19:56	1
2-Butanone (MEK)	ND		50.0		ug/L			05/15/13 19:56	1
Carbon disulfide	ND		1.00		ug/L			05/15/13 19:56	1
Carbon tetrachloride	ND		1.00		ug/L			05/15/13 19:56	1
Chlorobenzene	ND		1.00		ug/L			05/15/13 19:56	1
Chlorodibromomethane	ND		1.00		ug/L			05/15/13 19:56	1
Chloroethane	ND		1.00		ug/L			05/15/13 19:56	1
Chloroform	ND		1.00		ug/L			05/15/13 19:56	1
Chloromethane	ND		1.00		ug/L			05/15/13 19:56	1
2-Chlorotoluene	ND		1.00		ug/L			05/15/13 19:56	1
4-Chlorotoluene	ND		1.00		ug/L			05/15/13 19:56	1
cis-1,2-Dichloroethene	**5.64**		1.00		ug/L			05/15/13 19:56	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 19:56	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/15/13 19:56	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/15/13 19:56	1
Dibromomethane	ND		1.00		ug/L			05/15/13 19:56	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/15/13 19:56	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/15/13 19:56	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/15/13 19:56	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/15/13 19:56	1
1,1-Dichloroethane	ND		1.00		ug/L			05/15/13 19:56	1
1,2-Dichloroethane	ND		1.00		ug/L			05/15/13 19:56	1
1,1-Dichloroethene	ND		1.00		ug/L			05/15/13 19:56	1
1,2-Dichloropropane	ND		1.00		ug/L			05/15/13 19:56	1
1,3-Dichloropropane	ND		1.00		ug/L			05/15/13 19:56	1
2,2-Dichloropropane	ND		1.00		ug/L			05/15/13 19:56	1
1,1-Dichloropropene	ND		1.00		ug/L			05/15/13 19:56	1
Ethylbenzene	**1.95**		1.00		ug/L			05/15/13 19:56	1
Hexachlorobutadiene	ND		2.00		ug/L			05/15/13 19:56	1
2-Hexanone	ND		10.0		ug/L			05/15/13 19:56	1
Isopropylbenzene	ND		1.00		ug/L			05/15/13 19:56	1
Methylene Chloride	ND		5.00		ug/L			05/15/13 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/15/13 19:56	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/15/13 19:56	1
Naphthalene	ND		5.00		ug/L			05/15/13 19:56	1
n-Butylbenzene	**1.57**		1.00		ug/L			05/15/13 19:56	1
N-Propylbenzene	**1.50**		1.00		ug/L			05/15/13 19:56	1
p-Isopropyltoluene	ND		1.00		ug/L			05/15/13 19:56	1
sec-Butylbenzene	ND		1.00		ug/L			05/15/13 19:56	1
Styrene	ND		1.00		ug/L			05/15/13 19:56	1
tert-Butylbenzene	ND		1.00		ug/L			05/15/13 19:56	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 19:56	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 19:56	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-10
Date Collected: 05/07/13 11:42
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**325**		5.00		ug/L			05/15/13 20:23	5
Toluene	ND		1.00		ug/L			05/15/13 19:56	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/15/13 19:56	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 19:56	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/15/13 19:56	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/15/13 19:56	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/15/13 19:56	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/15/13 19:56	1
Trichloroethene	**4.23**		1.00		ug/L			05/15/13 19:56	1
Trichlorofluoromethane	ND		1.00		ug/L			05/15/13 19:56	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/15/13 19:56	1
1,2,4-Trimethylbenzene	**11.7**		1.00		ug/L			05/15/13 19:56	1
1,3,5-Trimethylbenzene	**3.89**		1.00		ug/L			05/15/13 19:56	1
Vinyl chloride	ND		1.00		ug/L			05/15/13 19:56	1
Xylenes, Total	**9.95**		3.00		ug/L			05/15/13 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/15/13 19:56*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/15/13 20:23*	*5*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*05/15/13 19:56*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/15/13 20:23*	*5*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*05/15/13 19:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*05/15/13 20:23*	*5*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/15/13 19:56*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/15/13 20:23*	*5*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-9
Date Collected: 05/07/13 12:25
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/15/13 20:50	1
Benzene	ND		1.00		ug/L			05/15/13 20:50	1
Bromobenzene	ND		1.00		ug/L			05/15/13 20:50	1
Bromochloromethane	ND		1.00		ug/L			05/15/13 20:50	1
Bromodichloromethane	ND		1.00		ug/L			05/15/13 20:50	1
Bromoform	ND		1.00		ug/L			05/15/13 20:50	1
Bromomethane	ND		1.00		ug/L			05/15/13 20:50	1
2-Butanone (MEK)	ND		50.0		ug/L			05/15/13 20:50	1
Carbon disulfide	ND		1.00		ug/L			05/15/13 20:50	1
Carbon tetrachloride	ND		1.00		ug/L			05/15/13 20:50	1
Chlorobenzene	ND		1.00		ug/L			05/15/13 20:50	1
Chlorodibromomethane	ND		1.00		ug/L			05/15/13 20:50	1
Chloroethane	ND		1.00		ug/L			05/15/13 20:50	1
Chloroform	**1.25**		1.00		ug/L			05/15/13 20:50	1
Chloromethane	ND		1.00		ug/L			05/15/13 20:50	1
2-Chlorotoluene	ND		1.00		ug/L			05/15/13 20:50	1
4-Chlorotoluene	ND		1.00		ug/L			05/15/13 20:50	1
cis-1,2-Dichloroethene	**13.1**		1.00		ug/L			05/15/13 20:50	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 20:50	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/15/13 20:50	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/15/13 20:50	1
Dibromomethane	ND		1.00		ug/L			05/15/13 20:50	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/15/13 20:50	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/15/13 20:50	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/15/13 20:50	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/15/13 20:50	1
1,1-Dichloroethane	ND		1.00		ug/L			05/15/13 20:50	1
1,2-Dichloroethane	ND		1.00		ug/L			05/15/13 20:50	1
1,1-Dichloroethene	ND		1.00		ug/L			05/15/13 20:50	1
1,2-Dichloropropane	ND		1.00		ug/L			05/15/13 20:50	1
1,3-Dichloropropane	ND		1.00		ug/L			05/15/13 20:50	1
2,2-Dichloropropane	ND		1.00		ug/L			05/15/13 20:50	1
1,1-Dichloropropene	ND		1.00		ug/L			05/15/13 20:50	1
Ethylbenzene	ND		1.00		ug/L			05/15/13 20:50	1
Hexachlorobutadiene	ND		2.00		ug/L			05/15/13 20:50	1
2-Hexanone	ND		10.0		ug/L			05/15/13 20:50	1
Isopropylbenzene	ND		1.00		ug/L			05/15/13 20:50	1
Methylene Chloride	ND		5.00		ug/L			05/15/13 20:50	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/15/13 20:50	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/15/13 20:50	1
Naphthalene	ND		5.00		ug/L			05/15/13 20:50	1
n-Butylbenzene	ND		1.00		ug/L			05/15/13 20:50	1
N-Propylbenzene	ND		1.00		ug/L			05/15/13 20:50	1
p-Isopropyltoluene	ND		1.00		ug/L			05/15/13 20:50	1
sec-Butylbenzene	ND		1.00		ug/L			05/15/13 20:50	1
Styrene	ND		1.00		ug/L			05/15/13 20:50	1
tert-Butylbenzene	ND		1.00		ug/L			05/15/13 20:50	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 20:50	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 20:50	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-9
Date Collected: 05/07/13 12:25
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**753**		10.0		ug/L			05/15/13 21:18	10
Toluene	ND		1.00		ug/L			05/15/13 20:50	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/15/13 20:50	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 20:50	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/15/13 20:50	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/15/13 20:50	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/15/13 20:50	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/15/13 20:50	1
Trichloroethene	**8.76**		1.00		ug/L			05/15/13 20:50	1
Trichlorofluoromethane	ND		1.00		ug/L			05/15/13 20:50	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/15/13 20:50	1
1,2,4-Trimethylbenzene	**4.86**		1.00		ug/L			05/15/13 20:50	1
1,3,5-Trimethylbenzene	**1.69**		1.00		ug/L			05/15/13 20:50	1
Vinyl chloride	ND		1.00		ug/L			05/15/13 20:50	1
Xylenes, Total	**3.74**		3.00		ug/L			05/15/13 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/15/13 20:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/15/13 21:18*	*10*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/15/13 20:50*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/15/13 21:18*	*10*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*05/15/13 20:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*05/15/13 21:18*	*10*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/15/13 20:50*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/15/13 21:18*	*10*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-2
Date Collected: 05/07/13 13:30
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/15/13 18:34	1
Benzene	ND		1.00		ug/L			05/15/13 18:34	1
Bromobenzene	ND		1.00		ug/L			05/15/13 18:34	1
Bromochloromethane	ND		1.00		ug/L			05/15/13 18:34	1
Bromodichloromethane	ND		1.00		ug/L			05/15/13 18:34	1
Bromoform	ND		1.00		ug/L			05/15/13 18:34	1
Bromomethane	ND		1.00		ug/L			05/15/13 18:34	1
2-Butanone (MEK)	ND		50.0		ug/L			05/15/13 18:34	1
Carbon disulfide	ND		1.00		ug/L			05/15/13 18:34	1
Carbon tetrachloride	ND		1.00		ug/L			05/15/13 18:34	1
Chlorobenzene	ND		1.00		ug/L			05/15/13 18:34	1
Chlorodibromomethane	ND		1.00		ug/L			05/15/13 18:34	1
Chloroethane	ND		1.00		ug/L			05/15/13 18:34	1
Chloroform	ND		1.00		ug/L			05/15/13 18:34	1
Chloromethane	ND		1.00		ug/L			05/15/13 18:34	1
2-Chlorotoluene	ND		1.00		ug/L			05/15/13 18:34	1
4-Chlorotoluene	ND		1.00		ug/L			05/15/13 18:34	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/15/13 18:34	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 18:34	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/15/13 18:34	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/15/13 18:34	1
Dibromomethane	ND		1.00		ug/L			05/15/13 18:34	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/15/13 18:34	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/15/13 18:34	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/15/13 18:34	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/15/13 18:34	1
1,1-Dichloroethane	ND		1.00		ug/L			05/15/13 18:34	1
1,2-Dichloroethane	ND		1.00		ug/L			05/15/13 18:34	1
1,1-Dichloroethene	ND		1.00		ug/L			05/15/13 18:34	1
1,2-Dichloropropane	ND		1.00		ug/L			05/15/13 18:34	1
1,3-Dichloropropane	ND		1.00		ug/L			05/15/13 18:34	1
2,2-Dichloropropane	ND		1.00		ug/L			05/15/13 18:34	1
1,1-Dichloropropene	ND		1.00		ug/L			05/15/13 18:34	1
Ethylbenzene	ND		1.00		ug/L			05/15/13 18:34	1
Hexachlorobutadiene	ND		2.00		ug/L			05/15/13 18:34	1
2-Hexanone	ND		10.0		ug/L			05/15/13 18:34	1
Isopropylbenzene	ND		1.00		ug/L			05/15/13 18:34	1
Methylene Chloride	ND		5.00		ug/L			05/15/13 18:34	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/15/13 18:34	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/15/13 18:34	1
Naphthalene	ND		5.00		ug/L			05/15/13 18:34	1
n-Butylbenzene	ND		1.00		ug/L			05/15/13 18:34	1
N-Propylbenzene	ND		1.00		ug/L			05/15/13 18:34	1
p-Isopropyltoluene	ND		1.00		ug/L			05/15/13 18:34	1
sec-Butylbenzene	ND		1.00		ug/L			05/15/13 18:34	1
Styrene	ND		1.00		ug/L			05/15/13 18:34	1
tert-Butylbenzene	ND		1.00		ug/L			05/15/13 18:34	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 18:34	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 18:34	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-2
Date Collected: 05/07/13 13:30
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**39.5**		1.00		ug/L			05/15/13 18:34	1
Toluene	ND		1.00		ug/L			05/15/13 18:34	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/15/13 18:34	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 18:34	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/15/13 18:34	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/15/13 18:34	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/15/13 18:34	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/15/13 18:34	1
Trichloroethene	ND		1.00		ug/L			05/15/13 18:34	1
Trichlorofluoromethane	ND		1.00		ug/L			05/15/13 18:34	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/15/13 18:34	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			05/15/13 18:34	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			05/15/13 18:34	1
Vinyl chloride	ND		1.00		ug/L			05/15/13 18:34	1
Xylenes, Total	ND		3.00		ug/L			05/15/13 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/15/13 18:34*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/15/13 18:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*05/15/13 18:34*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/15/13 18:34*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-7
Date Collected: 05/07/13 14:35
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/15/13 21:45	1
Benzene	ND		1.00		ug/L			05/15/13 21:45	1
Bromobenzene	ND		1.00		ug/L			05/15/13 21:45	1
Bromochloromethane	ND		1.00		ug/L			05/15/13 21:45	1
Bromodichloromethane	ND		1.00		ug/L			05/15/13 21:45	1
Bromoform	ND		1.00		ug/L			05/15/13 21:45	1
Bromomethane	ND		1.00		ug/L			05/15/13 21:45	1
2-Butanone (MEK)	ND		50.0		ug/L			05/15/13 21:45	1
Carbon disulfide	ND		1.00		ug/L			05/15/13 21:45	1
Carbon tetrachloride	ND		1.00		ug/L			05/15/13 21:45	1
Chlorobenzene	ND		1.00		ug/L			05/15/13 21:45	1
Chlorodibromomethane	ND		1.00		ug/L			05/15/13 21:45	1
Chloroethane	ND		1.00		ug/L			05/15/13 21:45	1
Chloroform	ND		1.00		ug/L			05/15/13 21:45	1
Chloromethane	ND		1.00		ug/L			05/15/13 21:45	1
2-Chlorotoluene	ND		1.00		ug/L			05/15/13 21:45	1
4-Chlorotoluene	ND		1.00		ug/L			05/15/13 21:45	1
cis-1,2-Dichloroethene	**10.2**		1.00		ug/L			05/15/13 21:45	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 21:45	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/15/13 21:45	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/15/13 21:45	1
Dibromomethane	ND		1.00		ug/L			05/15/13 21:45	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/15/13 21:45	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/15/13 21:45	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/15/13 21:45	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/15/13 21:45	1
1,1-Dichloroethane	ND		1.00		ug/L			05/15/13 21:45	1
1,2-Dichloroethane	ND		1.00		ug/L			05/15/13 21:45	1
1,1-Dichloroethene	ND		1.00		ug/L			05/15/13 21:45	1
1,2-Dichloropropane	ND		1.00		ug/L			05/15/13 21:45	1
1,3-Dichloropropane	ND		1.00		ug/L			05/15/13 21:45	1
2,2-Dichloropropane	ND		1.00		ug/L			05/15/13 21:45	1
1,1-Dichloropropene	ND		1.00		ug/L			05/15/13 21:45	1
Ethylbenzene	ND		1.00		ug/L			05/15/13 21:45	1
Hexachlorobutadiene	ND		2.00		ug/L			05/15/13 21:45	1
2-Hexanone	ND		10.0		ug/L			05/15/13 21:45	1
Isopropylbenzene	ND		1.00		ug/L			05/15/13 21:45	1
Methylene Chloride	ND		5.00		ug/L			05/15/13 21:45	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/15/13 21:45	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/15/13 21:45	1
Naphthalene	ND		5.00		ug/L			05/15/13 21:45	1
n-Butylbenzene	ND		1.00		ug/L			05/15/13 21:45	1
N-Propylbenzene	ND		1.00		ug/L			05/15/13 21:45	1
p-Isopropyltoluene	ND		1.00		ug/L			05/15/13 21:45	1
sec-Butylbenzene	ND		1.00		ug/L			05/15/13 21:45	1
Styrene	ND		1.00		ug/L			05/15/13 21:45	1
tert-Butylbenzene	ND		1.00		ug/L			05/15/13 21:45	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 21:45	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 21:45	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-7
Date Collected: 05/07/13 14:35
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**339**		5.00		ug/L			05/15/13 22:12	5
Toluene	ND		1.00		ug/L			05/15/13 21:45	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/15/13 21:45	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 21:45	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/15/13 21:45	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/15/13 21:45	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/15/13 21:45	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/15/13 21:45	1
Trichloroethene	**8.45**		1.00		ug/L			05/15/13 21:45	1
Trichlorofluoromethane	ND		1.00		ug/L			05/15/13 21:45	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/15/13 21:45	1
1,2,4-Trimethylbenzene	**1.23**		1.00		ug/L			05/15/13 21:45	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			05/15/13 21:45	1
Vinyl chloride	ND		1.00		ug/L			05/15/13 21:45	1
Xylenes, Total	ND		3.00		ug/L			05/15/13 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/15/13 21:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/15/13 22:12*	*5*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*05/15/13 21:45*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*05/15/13 22:12*	*5*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*05/15/13 21:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*05/15/13 22:12*	*5*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/15/13 21:45*	*1*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/15/13 22:12*	*5*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-1
Date Collected: 05/07/13 15:15
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/13/13 22:27	1
Benzene	**4.71**		1.00		ug/L			05/13/13 22:27	1
Bromobenzene	ND		1.00		ug/L			05/13/13 22:27	1
Bromochloromethane	ND		1.00		ug/L			05/13/13 22:27	1
Bromodichloromethane	ND		1.00		ug/L			05/13/13 22:27	1
Bromoform	ND		1.00		ug/L			05/13/13 22:27	1
Bromomethane	ND		1.00		ug/L			05/13/13 22:27	1
2-Butanone (MEK)	ND		50.0		ug/L			05/13/13 22:27	1
Carbon disulfide	ND		1.00		ug/L			05/13/13 22:27	1
Carbon tetrachloride	ND		1.00		ug/L			05/13/13 22:27	1
Chlorobenzene	ND		1.00		ug/L			05/13/13 22:27	1
Chlorodibromomethane	ND		1.00		ug/L			05/13/13 22:27	1
Chloroethane	ND		1.00		ug/L			05/13/13 22:27	1
Chloroform	ND		1.00		ug/L			05/13/13 22:27	1
Chloromethane	ND		1.00		ug/L			05/13/13 22:27	1
2-Chlorotoluene	ND		1.00		ug/L			05/13/13 22:27	1
4-Chlorotoluene	ND		1.00		ug/L			05/13/13 22:27	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/13/13 22:27	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 22:27	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/13/13 22:27	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/13/13 22:27	1
Dibromomethane	ND		1.00		ug/L			05/13/13 22:27	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/13/13 22:27	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/13/13 22:27	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/13/13 22:27	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/13/13 22:27	1
1,1-Dichloroethane	ND		1.00		ug/L			05/13/13 22:27	1
1,2-Dichloroethane	ND		1.00		ug/L			05/13/13 22:27	1
1,1-Dichloroethene	ND		1.00		ug/L			05/13/13 22:27	1
1,2-Dichloropropane	ND		1.00		ug/L			05/13/13 22:27	1
1,3-Dichloropropane	ND		1.00		ug/L			05/13/13 22:27	1
2,2-Dichloropropane	ND		1.00		ug/L			05/13/13 22:27	1
1,1-Dichloropropene	ND		1.00		ug/L			05/13/13 22:27	1
Ethylbenzene	ND		1.00		ug/L			05/13/13 22:27	1
Hexachlorobutadiene	ND		2.00		ug/L			05/13/13 22:27	1
2-Hexanone	ND		10.0		ug/L			05/13/13 22:27	1
Isopropylbenzene	ND		1.00		ug/L			05/13/13 22:27	1
Methylene Chloride	ND		5.00		ug/L			05/13/13 22:27	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/13/13 22:27	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/13/13 22:27	1
Naphthalene	ND		5.00		ug/L			05/13/13 22:27	1
n-Butylbenzene	ND		1.00		ug/L			05/13/13 22:27	1
N-Propylbenzene	ND		1.00		ug/L			05/13/13 22:27	1
p-Isopropyltoluene	ND		1.00		ug/L			05/13/13 22:27	1
sec-Butylbenzene	ND		1.00		ug/L			05/13/13 22:27	1
Styrene	ND		1.00		ug/L			05/13/13 22:27	1
tert-Butylbenzene	ND		1.00		ug/L			05/13/13 22:27	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 22:27	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 22:27	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-1
Date Collected: 05/07/13 15:15
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**194**		5.00		ug/L			05/15/13 22:40	5
Toluene	**2.40**		1.00		ug/L			05/13/13 22:27	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/13/13 22:27	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 22:27	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/13/13 22:27	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/13/13 22:27	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/13/13 22:27	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/13/13 22:27	1
Trichloroethene	**1.40**		1.00		ug/L			05/13/13 22:27	1
Trichlorofluoromethane	ND		1.00		ug/L			05/13/13 22:27	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/13/13 22:27	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			05/13/13 22:27	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			05/13/13 22:27	1
Vinyl chloride	ND		1.00		ug/L			05/13/13 22:27	1
Xylenes, Total	ND		3.00		ug/L			05/13/13 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/13/13 22:27*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/15/13 22:40*	*5*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/13/13 22:27*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/15/13 22:40*	*5*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/13/13 22:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*05/15/13 22:40*	*5*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/13/13 22:27*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/15/13 22:40*	*5*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-5
Date Collected: 05/08/13 10:45
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/13/13 22:54	1
Benzene	ND		1.00		ug/L			05/13/13 22:54	1
Bromobenzene	ND		1.00		ug/L			05/13/13 22:54	1
Bromochloromethane	ND		1.00		ug/L			05/13/13 22:54	1
Bromodichloromethane	ND		1.00		ug/L			05/13/13 22:54	1
Bromoform	ND		1.00		ug/L			05/13/13 22:54	1
Bromomethane	ND		1.00		ug/L			05/13/13 22:54	1
2-Butanone (MEK)	ND		50.0		ug/L			05/13/13 22:54	1
Carbon disulfide	ND		1.00		ug/L			05/13/13 22:54	1
Carbon tetrachloride	ND		1.00		ug/L			05/13/13 22:54	1
Chlorobenzene	ND		1.00		ug/L			05/13/13 22:54	1
Chlorodibromomethane	ND		1.00		ug/L			05/13/13 22:54	1
Chloroethane	ND		1.00		ug/L			05/13/13 22:54	1
Chloroform	**3.69**		1.00		ug/L			05/13/13 22:54	1
Chloromethane	ND		1.00		ug/L			05/13/13 22:54	1
2-Chlorotoluene	ND		1.00		ug/L			05/13/13 22:54	1
4-Chlorotoluene	ND		1.00		ug/L			05/13/13 22:54	1
cis-1,2-Dichloroethene	**6.86**		1.00		ug/L			05/13/13 22:54	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 22:54	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/13/13 22:54	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/13/13 22:54	1
Dibromomethane	ND		1.00		ug/L			05/13/13 22:54	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/13/13 22:54	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/13/13 22:54	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/13/13 22:54	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/13/13 22:54	1
1,1-Dichloroethane	ND		1.00		ug/L			05/13/13 22:54	1
1,2-Dichloroethane	ND		1.00		ug/L			05/13/13 22:54	1
1,1-Dichloroethene	ND		1.00		ug/L			05/13/13 22:54	1
1,2-Dichloropropane	ND		1.00		ug/L			05/13/13 22:54	1
1,3-Dichloropropane	ND		1.00		ug/L			05/13/13 22:54	1
2,2-Dichloropropane	ND		1.00		ug/L			05/13/13 22:54	1
1,1-Dichloropropene	ND		1.00		ug/L			05/13/13 22:54	1
Ethylbenzene	ND		1.00		ug/L			05/13/13 22:54	1
Hexachlorobutadiene	ND		2.00		ug/L			05/13/13 22:54	1
2-Hexanone	ND		10.0		ug/L			05/13/13 22:54	1
Isopropylbenzene	ND		1.00		ug/L			05/13/13 22:54	1
Methylene Chloride	ND		5.00		ug/L			05/13/13 22:54	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/13/13 22:54	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/13/13 22:54	1
Naphthalene	ND		5.00		ug/L			05/13/13 22:54	1
n-Butylbenzene	ND		1.00		ug/L			05/13/13 22:54	1
N-Propylbenzene	ND		1.00		ug/L			05/13/13 22:54	1
p-Isopropyltoluene	ND		1.00		ug/L			05/13/13 22:54	1
sec-Butylbenzene	ND		1.00		ug/L			05/13/13 22:54	1
Styrene	ND		1.00		ug/L			05/13/13 22:54	1
tert-Butylbenzene	ND		1.00		ug/L			05/13/13 22:54	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 22:54	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 22:54	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-5
Date Collected: 05/08/13 10:45
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**2020**		20.0		ug/L			05/16/13 14:21	20
Toluene	ND		1.00		ug/L			05/13/13 22:54	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/13/13 22:54	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 22:54	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/13/13 22:54	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/13/13 22:54	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/13/13 22:54	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/13/13 22:54	1
Trichloroethene	**6.12**		1.00		ug/L			05/13/13 22:54	1
Trichlorofluoromethane	ND		1.00		ug/L			05/13/13 22:54	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/13/13 22:54	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			05/13/13 22:54	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			05/13/13 22:54	1
Vinyl chloride	ND		1.00		ug/L			05/13/13 22:54	1
Xylenes, Total	ND		3.00		ug/L			05/13/13 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/13/13 22:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/16/13 14:21*	*20*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/13/13 22:54*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/16/13 14:21*	*20*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/13/13 22:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*05/16/13 14:21*	*20*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/13/13 22:54*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/16/13 14:21*	*20*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-11
Date Collected: 05/08/13 11:43
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/13/13 23:21	1
Benzene	ND		1.00		ug/L			05/13/13 23:21	1
Bromobenzene	ND		1.00		ug/L			05/13/13 23:21	1
Bromochloromethane	ND		1.00		ug/L			05/13/13 23:21	1
Bromodichloromethane	ND		1.00		ug/L			05/13/13 23:21	1
Bromoform	ND		1.00		ug/L			05/13/13 23:21	1
Bromomethane	ND		1.00		ug/L			05/13/13 23:21	1
2-Butanone (MEK)	ND		50.0		ug/L			05/13/13 23:21	1
Carbon disulfide	ND		1.00		ug/L			05/13/13 23:21	1
Carbon tetrachloride	ND		1.00		ug/L			05/13/13 23:21	1
Chlorobenzene	ND		1.00		ug/L			05/13/13 23:21	1
Chlorodibromomethane	ND		1.00		ug/L			05/13/13 23:21	1
Chloroethane	ND		1.00		ug/L			05/13/13 23:21	1
Chloroform	ND		1.00		ug/L			05/13/13 23:21	1
Chloromethane	ND		1.00		ug/L			05/13/13 23:21	1
2-Chlorotoluene	ND		1.00		ug/L			05/13/13 23:21	1
4-Chlorotoluene	ND		1.00		ug/L			05/13/13 23:21	1
cis-1,2-Dichloroethene	**375**		50.0		ug/L			05/15/13 23:34	50
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 23:21	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/13/13 23:21	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/13/13 23:21	1
Dibromomethane	ND		1.00		ug/L			05/13/13 23:21	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/13/13 23:21	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/13/13 23:21	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/13/13 23:21	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/13/13 23:21	1
1,1-Dichloroethane	ND		1.00		ug/L			05/13/13 23:21	1
1,2-Dichloroethane	ND		1.00		ug/L			05/13/13 23:21	1
1,1-Dichloroethene	ND		1.00		ug/L			05/13/13 23:21	1
1,2-Dichloropropane	ND		1.00		ug/L			05/13/13 23:21	1
1,3-Dichloropropane	ND		1.00		ug/L			05/13/13 23:21	1
2,2-Dichloropropane	ND		1.00		ug/L			05/13/13 23:21	1
1,1-Dichloropropene	ND		1.00		ug/L			05/13/13 23:21	1
Ethylbenzene	**612**		50.0		ug/L			05/15/13 23:34	50
Hexachlorobutadiene	ND		2.00		ug/L			05/13/13 23:21	1
2-Hexanone	ND		10.0		ug/L			05/13/13 23:21	1
Isopropylbenzene	**89.1**		1.00		ug/L			05/13/13 23:21	1
Methylene Chloride	ND		5.00		ug/L			05/13/13 23:21	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/13/13 23:21	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/13/13 23:21	1
Naphthalene	**457**		250		ug/L			05/15/13 23:34	50
n-Butylbenzene	**71.5**		1.00		ug/L			05/13/13 23:21	1
N-Propylbenzene	**278**		50.0		ug/L			05/15/13 23:34	50
p-Isopropyltoluene	**9.57**		1.00		ug/L			05/13/13 23:21	1
sec-Butylbenzene	**11.7**		1.00		ug/L			05/13/13 23:21	1
Styrene	ND		1.00		ug/L			05/13/13 23:21	1
tert-Butylbenzene	ND		1.00		ug/L			05/13/13 23:21	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 23:21	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 23:21	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-11
Date Collected: 05/08/13 11:43
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**169**		1.00		ug/L			05/13/13 23:21	1
Toluene	ND		1.00		ug/L			05/13/13 23:21	1
trans-1,2-Dichloroethene	**4.90**		1.00		ug/L			05/13/13 23:21	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 23:21	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/13/13 23:21	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/13/13 23:21	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/13/13 23:21	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/13/13 23:21	1
Trichloroethene	**109**		1.00		ug/L			05/13/13 23:21	1
Trichlorofluoromethane	ND		1.00		ug/L			05/13/13 23:21	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/13/13 23:21	1
1,2,4-Trimethylbenzene	**3140**		50.0		ug/L			05/15/13 23:34	50
1,3,5-Trimethylbenzene	**824**		50.0		ug/L			05/15/13 23:34	50
Vinyl chloride	**1.33**		1.00		ug/L			05/13/13 23:21	1
Xylenes, Total	**2330**		150		ug/L			05/15/13 23:34	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*05/13/13 23:21*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/15/13 23:34*	*50*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/13/13 23:21*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/15/13 23:34*	*50*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/13/13 23:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*05/15/13 23:34*	*50*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/13/13 23:21*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/15/13 23:34*	*50*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-4
Date Collected: 05/08/13 13:42
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/16/13 00:01	1
Benzene	ND		1.00		ug/L			05/16/13 00:01	1
Bromobenzene	ND		1.00		ug/L			05/16/13 00:01	1
Bromochloromethane	ND		1.00		ug/L			05/16/13 00:01	1
Bromodichloromethane	ND		1.00		ug/L			05/16/13 00:01	1
Bromoform	ND		1.00		ug/L			05/16/13 00:01	1
Bromomethane	ND		1.00		ug/L			05/16/13 00:01	1
2-Butanone (MEK)	ND		50.0		ug/L			05/16/13 00:01	1
Carbon disulfide	ND		1.00		ug/L			05/16/13 00:01	1
Carbon tetrachloride	ND		1.00		ug/L			05/16/13 00:01	1
Chlorobenzene	ND		1.00		ug/L			05/16/13 00:01	1
Chlorodibromomethane	ND		1.00		ug/L			05/16/13 00:01	1
Chloroethane	ND		1.00		ug/L			05/16/13 00:01	1
Chloroform	ND		1.00		ug/L			05/16/13 00:01	1
Chloromethane	ND		1.00		ug/L			05/16/13 00:01	1
2-Chlorotoluene	ND		1.00		ug/L			05/16/13 00:01	1
4-Chlorotoluene	ND		1.00		ug/L			05/16/13 00:01	1
cis-1,2-Dichloroethene	**1.31**		1.00		ug/L			05/16/13 00:01	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/16/13 00:01	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/16/13 00:01	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/16/13 00:01	1
Dibromomethane	ND		1.00		ug/L			05/16/13 00:01	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/16/13 00:01	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/16/13 00:01	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/16/13 00:01	1
Dichlorodifluoromethane	**2.17**		1.00		ug/L			05/16/13 00:01	1
1,1-Dichloroethane	ND		1.00		ug/L			05/16/13 00:01	1
1,2-Dichloroethane	ND		1.00		ug/L			05/16/13 00:01	1
1,1-Dichloroethene	ND		1.00		ug/L			05/16/13 00:01	1
1,2-Dichloropropane	ND		1.00		ug/L			05/16/13 00:01	1
1,3-Dichloropropane	ND		1.00		ug/L			05/16/13 00:01	1
2,2-Dichloropropane	ND		1.00		ug/L			05/16/13 00:01	1
1,1-Dichloropropene	ND		1.00		ug/L			05/16/13 00:01	1
Ethylbenzene	**1.60**		1.00		ug/L			05/16/13 00:01	1
Hexachlorobutadiene	ND		2.00		ug/L			05/16/13 00:01	1
2-Hexanone	ND		10.0		ug/L			05/16/13 00:01	1
Isopropylbenzene	ND		1.00		ug/L			05/16/13 00:01	1
Methylene Chloride	ND		5.00		ug/L			05/16/13 00:01	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/16/13 00:01	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/16/13 00:01	1
Naphthalene	ND		5.00		ug/L			05/16/13 00:01	1
n-Butylbenzene	ND		1.00		ug/L			05/16/13 00:01	1
N-Propylbenzene	ND		1.00		ug/L			05/16/13 00:01	1
p-Isopropyltoluene	ND		1.00		ug/L			05/16/13 00:01	1
sec-Butylbenzene	ND		1.00		ug/L			05/16/13 00:01	1
Styrene	ND		1.00		ug/L			05/16/13 00:01	1
tert-Butylbenzene	ND		1.00		ug/L			05/16/13 00:01	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/16/13 00:01	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/16/13 00:01	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-4
Date Collected: 05/08/13 13:42
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**293**		5.00		ug/L			05/16/13 00:29	5
Toluene	ND		1.00		ug/L			05/16/13 00:01	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/16/13 00:01	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/16/13 00:01	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/16/13 00:01	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/16/13 00:01	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/16/13 00:01	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/16/13 00:01	1
Trichloroethene	**3.32**		1.00		ug/L			05/16/13 00:01	1
Trichlorofluoromethane	ND		1.00		ug/L			05/16/13 00:01	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/16/13 00:01	1
1,2,4-Trimethylbenzene	**9.15**		1.00		ug/L			05/16/13 00:01	1
1,3,5-Trimethylbenzene	**2.33**		1.00		ug/L			05/16/13 00:01	1
Vinyl chloride	ND		1.00		ug/L			05/16/13 00:01	1
Xylenes, Total	**5.28**		3.00		ug/L			05/16/13 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/16/13 00:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/16/13 00:29*	*5*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/16/13 00:01*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*05/16/13 00:29*	*5*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*05/16/13 00:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*05/16/13 00:29*	*5*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/16/13 00:01*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*		*05/16/13 00:29*	*5*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-3
Date Collected: 05/08/13 14:26
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/16/13 00:56	1
Benzene	ND		1.00		ug/L			05/16/13 00:56	1
Bromobenzene	ND		1.00		ug/L			05/16/13 00:56	1
Bromochloromethane	ND		1.00		ug/L			05/16/13 00:56	1
Bromodichloromethane	ND		1.00		ug/L			05/16/13 00:56	1
Bromoform	ND		1.00		ug/L			05/16/13 00:56	1
Bromomethane	ND		1.00		ug/L			05/16/13 00:56	1
2-Butanone (MEK)	ND		50.0		ug/L			05/16/13 00:56	1
Carbon disulfide	ND		1.00		ug/L			05/16/13 00:56	1
Carbon tetrachloride	ND		1.00		ug/L			05/16/13 00:56	1
Chlorobenzene	ND		1.00		ug/L			05/16/13 00:56	1
Chlorodibromomethane	ND		1.00		ug/L			05/16/13 00:56	1
Chloroethane	ND		1.00		ug/L			05/16/13 00:56	1
Chloroform	ND		1.00		ug/L			05/16/13 00:56	1
Chloromethane	ND		1.00		ug/L			05/16/13 00:56	1
2-Chlorotoluene	ND		1.00		ug/L			05/16/13 00:56	1
4-Chlorotoluene	ND		1.00		ug/L			05/16/13 00:56	1
cis-1,2-Dichloroethene	**86.2**		1.00		ug/L			05/16/13 00:56	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/16/13 00:56	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/16/13 00:56	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/16/13 00:56	1
Dibromomethane	ND		1.00		ug/L			05/16/13 00:56	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/16/13 00:56	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/16/13 00:56	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/16/13 00:56	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/16/13 00:56	1
1,1-Dichloroethane	ND		1.00		ug/L			05/16/13 00:56	1
1,2-Dichloroethane	ND		1.00		ug/L			05/16/13 00:56	1
1,1-Dichloroethene	ND		1.00		ug/L			05/16/13 00:56	1
1,2-Dichloropropane	ND		1.00		ug/L			05/16/13 00:56	1
1,3-Dichloropropane	ND		1.00		ug/L			05/16/13 00:56	1
2,2-Dichloropropane	ND		1.00		ug/L			05/16/13 00:56	1
1,1-Dichloropropene	ND		1.00		ug/L			05/16/13 00:56	1
Ethylbenzene	**69.7**		1.00		ug/L			05/16/13 00:56	1
Hexachlorobutadiene	ND		2.00		ug/L			05/16/13 00:56	1
2-Hexanone	ND		10.0		ug/L			05/16/13 00:56	1
Isopropylbenzene	**8.16**		1.00		ug/L			05/16/13 00:56	1
Methylene Chloride	ND		5.00		ug/L			05/16/13 00:56	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/16/13 00:56	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/16/13 00:56	1
Naphthalene	**104**		5.00		ug/L			05/16/13 00:56	1
n-Butylbenzene	ND		1.00		ug/L			05/16/13 00:56	1
N-Propylbenzene	**28.6**		1.00		ug/L			05/16/13 00:56	1
p-Isopropyltoluene	**2.73**		1.00		ug/L			05/16/13 00:56	1
sec-Butylbenzene	ND		1.00		ug/L			05/16/13 00:56	1
Styrene	ND		1.00		ug/L			05/16/13 00:56	1
tert-Butylbenzene	ND		1.00		ug/L			05/16/13 00:56	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/16/13 00:56	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/16/13 00:56	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-3
Date Collected: 05/08/13 14:26
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**328**		5.00		ug/L			05/16/13 01:23	5
Toluene	**4.30**		1.00		ug/L			05/16/13 00:56	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/16/13 00:56	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/16/13 00:56	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/16/13 00:56	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/16/13 00:56	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/16/13 00:56	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/16/13 00:56	1
Trichloroethene	**64.2**		1.00		ug/L			05/16/13 00:56	1
Trichlorofluoromethane	ND		1.00		ug/L			05/16/13 00:56	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/16/13 00:56	1
1,2,4-Trimethylbenzene	**803**		5.00		ug/L			05/16/13 01:23	5
1,3,5-Trimethylbenzene	**412**		5.00		ug/L			05/16/13 01:23	5
Vinyl chloride	ND		1.00		ug/L			05/16/13 00:56	1
Xylenes, Total	**369**		3.00		ug/L			05/16/13 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*05/16/13 00:56*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/16/13 01:23*	*5*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/16/13 00:56*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/16/13 01:23*	*5*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*05/16/13 00:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*05/16/13 01:23*	*5*
Toluene-d8 (Surr)	*88*		*70 - 130*		*05/16/13 00:56*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/16/13 01:23*	*5*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 05/07/13 00:01
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/13/13 19:45	1
Benzene	ND		1.00		ug/L			05/13/13 19:45	1
Bromobenzene	ND		1.00		ug/L			05/13/13 19:45	1
Bromochloromethane	ND		1.00		ug/L			05/13/13 19:45	1
Bromodichloromethane	ND		1.00		ug/L			05/13/13 19:45	1
Bromoform	ND		1.00		ug/L			05/13/13 19:45	1
Bromomethane	ND		1.00		ug/L			05/13/13 19:45	1
2-Butanone (MEK)	ND		50.0		ug/L			05/13/13 19:45	1
Carbon disulfide	ND		1.00		ug/L			05/13/13 19:45	1
Carbon tetrachloride	ND		1.00		ug/L			05/13/13 19:45	1
Chlorobenzene	ND		1.00		ug/L			05/13/13 19:45	1
Chlorodibromomethane	ND		1.00		ug/L			05/13/13 19:45	1
Chloroethane	ND		1.00		ug/L			05/13/13 19:45	1
Chloroform	ND		1.00		ug/L			05/13/13 19:45	1
Chloromethane	ND		1.00		ug/L			05/13/13 19:45	1
2-Chlorotoluene	ND		1.00		ug/L			05/13/13 19:45	1
4-Chlorotoluene	ND		1.00		ug/L			05/13/13 19:45	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/13/13 19:45	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 19:45	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/13/13 19:45	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/13/13 19:45	1
Dibromomethane	ND		1.00		ug/L			05/13/13 19:45	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/13/13 19:45	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/13/13 19:45	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/13/13 19:45	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/13/13 19:45	1
1,1-Dichloroethane	ND		1.00		ug/L			05/13/13 19:45	1
1,2-Dichloroethane	ND		1.00		ug/L			05/13/13 19:45	1
1,1-Dichloroethene	ND		1.00		ug/L			05/13/13 19:45	1
1,2-Dichloropropane	ND		1.00		ug/L			05/13/13 19:45	1
1,3-Dichloropropane	ND		1.00		ug/L			05/13/13 19:45	1
2,2-Dichloropropane	ND		1.00		ug/L			05/13/13 19:45	1
1,1-Dichloropropene	ND		1.00		ug/L			05/13/13 19:45	1
Ethylbenzene	ND		1.00		ug/L			05/13/13 19:45	1
Hexachlorobutadiene	ND		2.00		ug/L			05/13/13 19:45	1
2-Hexanone	ND		10.0		ug/L			05/13/13 19:45	1
Isopropylbenzene	ND		1.00		ug/L			05/13/13 19:45	1
Methylene Chloride	ND		5.00		ug/L			05/13/13 19:45	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/13/13 19:45	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/13/13 19:45	1
Naphthalene	ND		5.00		ug/L			05/13/13 19:45	1
n-Butylbenzene	ND		1.00		ug/L			05/13/13 19:45	1
N-Propylbenzene	ND		1.00		ug/L			05/13/13 19:45	1
p-Isopropyltoluene	ND		1.00		ug/L			05/13/13 19:45	1
sec-Butylbenzene	ND		1.00		ug/L			05/13/13 19:45	1
Styrene	ND		1.00		ug/L			05/13/13 19:45	1
tert-Butylbenzene	ND		1.00		ug/L			05/13/13 19:45	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 19:45	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 19:45	1

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: Trip Blank
Date Collected: 05/07/13 00:01
Date Received: 05/10/13 08:10

Lab Sample ID: 490-26253-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00		ug/L			05/13/13 19:45	1
Toluene	ND		1.00		ug/L			05/13/13 19:45	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/13/13 19:45	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 19:45	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/13/13 19:45	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/13/13 19:45	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/13/13 19:45	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/13/13 19:45	1
Trichloroethene	ND		1.00		ug/L			05/13/13 19:45	1
Trichlorofluoromethane	ND		1.00		ug/L			05/13/13 19:45	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/13/13 19:45	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			05/13/13 19:45	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			05/13/13 19:45	1
Vinyl chloride	ND		1.00		ug/L			05/13/13 19:45	1
Xylenes, Total	ND		3.00		ug/L			05/13/13 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/13/13 19:45*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*05/13/13 19:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*05/13/13 19:45*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/13/13 19:45*	*1*

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-78772/7
Matrix: Water
Analysis Batch: 78772

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/13/13 17:01	1
Benzene	ND		1.00		ug/L			05/13/13 17:01	1
Bromobenzene	ND		1.00		ug/L			05/13/13 17:01	1
Bromochloromethane	ND		1.00		ug/L			05/13/13 17:01	1
Bromodichloromethane	ND		1.00		ug/L			05/13/13 17:01	1
Bromoform	ND		1.00		ug/L			05/13/13 17:01	1
Bromomethane	ND		1.00		ug/L			05/13/13 17:01	1
2-Butanone (MEK)	ND		50.0		ug/L			05/13/13 17:01	1
Carbon disulfide	ND		1.00		ug/L			05/13/13 17:01	1
Carbon tetrachloride	ND		1.00		ug/L			05/13/13 17:01	1
Chlorobenzene	ND		1.00		ug/L			05/13/13 17:01	1
Chlorodibromomethane	ND		1.00		ug/L			05/13/13 17:01	1
Chloroethane	ND		1.00		ug/L			05/13/13 17:01	1
Chloroform	ND		1.00		ug/L			05/13/13 17:01	1
Chloromethane	ND		1.00		ug/L			05/13/13 17:01	1
2-Chlorotoluene	ND		1.00		ug/L			05/13/13 17:01	1
4-Chlorotoluene	ND		1.00		ug/L			05/13/13 17:01	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/13/13 17:01	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 17:01	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/13/13 17:01	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/13/13 17:01	1
Dibromomethane	ND		1.00		ug/L			05/13/13 17:01	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/13/13 17:01	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/13/13 17:01	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/13/13 17:01	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/13/13 17:01	1
1,1-Dichloroethane	ND		1.00		ug/L			05/13/13 17:01	1
1,2-Dichloroethane	ND		1.00		ug/L			05/13/13 17:01	1
1,1-Dichloroethene	ND		1.00		ug/L			05/13/13 17:01	1
1,2-Dichloropropane	ND		1.00		ug/L			05/13/13 17:01	1
1,3-Dichloropropane	ND		1.00		ug/L			05/13/13 17:01	1
2,2-Dichloropropane	ND		1.00		ug/L			05/13/13 17:01	1
1,1-Dichloropropene	ND		1.00		ug/L			05/13/13 17:01	1
Ethylbenzene	ND		1.00		ug/L			05/13/13 17:01	1
Hexachlorobutadiene	ND		2.00		ug/L			05/13/13 17:01	1
2-Hexanone	ND		10.0		ug/L			05/13/13 17:01	1
Isopropylbenzene	ND		1.00		ug/L			05/13/13 17:01	1
Methylene Chloride	ND		5.00		ug/L			05/13/13 17:01	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/13/13 17:01	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/13/13 17:01	1
Naphthalene	ND		5.00		ug/L			05/13/13 17:01	1
n-Butylbenzene	ND		1.00		ug/L			05/13/13 17:01	1
N-Propylbenzene	ND		1.00		ug/L			05/13/13 17:01	1
p-Isopropyltoluene	ND		1.00		ug/L			05/13/13 17:01	1
sec-Butylbenzene	ND		1.00		ug/L			05/13/13 17:01	1
Styrene	ND		1.00		ug/L			05/13/13 17:01	1
tert-Butylbenzene	ND		1.00		ug/L			05/13/13 17:01	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 17:01	1

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

Lab Sample ID: MB 490-78772/7
Matrix: Water
Analysis Batch: 78772

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/13/13 17:01	1
Tetrachloroethene	ND		1.00		ug/L			05/13/13 17:01	1
Toluene	ND		1.00		ug/L			05/13/13 17:01	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/13/13 17:01	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/13/13 17:01	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/13/13 17:01	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/13/13 17:01	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/13/13 17:01	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/13/13 17:01	1
Trichloroethene	ND		1.00		ug/L			05/13/13 17:01	1
Trichlorofluoromethane	ND		1.00		ug/L			05/13/13 17:01	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/13/13 17:01	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			05/13/13 17:01	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			05/13/13 17:01	1
Vinyl chloride	ND		1.00		ug/L			05/13/13 17:01	1
Xylenes, Total	ND		3.00		ug/L			05/13/13 17:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/13/13 17:01*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/13/13 17:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*05/13/13 17:01*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/13/13 17:01*	*1*

Lab Sample ID: LCS 490-78772/3
Matrix: Water
Analysis Batch: 78772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	326.9		ug/L		131	54 - 145
Benzene	50.0	52.12		ug/L		104	80 - 121
Bromobenzene	50.0	41.80		ug/L		84	68 - 130
Bromochloromethane	50.0	54.93		ug/L		110	78 - 129
Bromodichloromethane	50.0	58.13		ug/L		116	75 - 129
Bromoform	50.0	51.02		ug/L		102	46 - 145
Bromomethane	50.0	37.34		ug/L		75	41 - 150
2-Butanone (MEK)	250	289.6		ug/L		116	62 - 133
Carbon disulfide	50.0	49.12		ug/L		98	77 - 126
Carbon tetrachloride	50.0	59.66		ug/L		119	64 - 147
Chlorobenzene	50.0	46.24		ug/L		92	80 - 120
Chlorodibromomethane	50.0	50.34		ug/L		101	69 - 133
Chloroethane	50.0	54.16		ug/L		108	72 - 120
Chloroform	50.0	52.07		ug/L		104	73 - 129
Chloromethane	50.0	35.66		ug/L		71	12 - 150
2-Chlorotoluene	50.0	43.65		ug/L		87	75 - 126
4-Chlorotoluene	50.0	43.64		ug/L		87	75 - 130
cis-1,2-Dichloroethene	50.0	53.00		ug/L		106	76 - 125
cis-1,3-Dichloropropene	50.0	48.42		ug/L		97	74 - 140
1,2-Dibromo-3-Chloropropane	50.0	46.30		ug/L		93	54 - 125

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

Lab Sample ID: LCS 490-78772/3
Matrix: Water
Analysis Batch: 78772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	50.0	48.67		ug/L		97	80 - 129
Dibromomethane	50.0	55.54		ug/L		111	71 - 125
1,2-Dichlorobenzene	50.0	44.13		ug/L		88	80 - 121
1,3-Dichlorobenzene	50.0	43.94		ug/L		88	80 - 122
1,4-Dichlorobenzene	50.0	43.18		ug/L		86	80 - 120
Dichlorodifluoromethane	50.0	56.24		ug/L		112	37 - 127
1,1-Dichloroethane	50.0	55.21		ug/L		110	78 - 125
1,2-Dichloroethane	50.0	54.66		ug/L		109	77 - 121
1,1-Dichloroethene	50.0	58.64		ug/L		117	79 - 124
1,2-Dichloropropane	50.0	50.02		ug/L		100	75 - 120
1,3-Dichloropropane	50.0	46.71		ug/L		93	80 - 125
2,2-Dichloropropane	50.0	58.11		ug/L		116	43 - 161
1,1-Dichloropropene	50.0	54.06		ug/L		108	80 - 122
Ethylbenzene	50.0	47.38		ug/L		95	80 - 130
Hexachlorobutadiene	50.0	44.49		ug/L		89	49 - 146
2-Hexanone	250	235.2		ug/L		94	60 - 142
Isopropylbenzene	50.0	49.59		ug/L		99	80 - 141
Methylene Chloride	50.0	54.14		ug/L		108	79 - 123
4-Methyl-2-pentanone (MIBK)	250	237.5		ug/L		95	60 - 137
Methyl tert-butyl ether	50.0	55.37		ug/L		111	72 - 133
Naphthalene	50.0	46.11		ug/L		92	62 - 138
n-Butylbenzene	50.0	48.41		ug/L		97	68 - 132
N-Propylbenzene	50.0	43.73		ug/L		87	75 - 129
p-Isopropyltoluene	50.0	45.81		ug/L		92	75 - 128
sec-Butylbenzene	50.0	45.96		ug/L		92	76 - 128
Styrene	50.0	49.65		ug/L		99	80 - 127
tert-Butylbenzene	50.0	45.48		ug/L		91	76 - 126
1,1,1,2-Tetrachloroethane	50.0	48.09		ug/L		96	74 - 135
1,1,2,2-Tetrachloroethane	50.0	44.17		ug/L		88	69 - 131
Tetrachloroethene	50.0	48.84		ug/L		98	80 - 126
Toluene	50.0	46.58		ug/L		93	80 - 126
trans-1,2-Dichloroethene	50.0	57.67		ug/L		115	79 - 126
trans-1,3-Dichloropropene	50.0	48.12		ug/L		96	63 - 134
1,2,3-Trichlorobenzene	50.0	47.64		ug/L		95	62 - 133
1,2,4-Trichlorobenzene	50.0	47.42		ug/L		95	63 - 133
1,1,1-Trichloroethane	50.0	56.48		ug/L		113	78 - 135
1,1,2-Trichloroethane	50.0	46.30		ug/L		93	80 - 124
Trichloroethene	50.0	54.17		ug/L		108	80 - 123
Trichlorofluoromethane	50.0	54.70		ug/L		109	65 - 124
1,2,3-Trichloropropane	50.0	42.83		ug/L		86	70 - 131
1,2,4-Trimethylbenzene	50.0	44.16		ug/L		88	77 - 126
1,3,5-Trimethylbenzene	50.0	44.92		ug/L		90	77 - 127
Vinyl chloride	50.0	51.72		ug/L		103	68 - 120
Xylenes, Total	150	145.7		ug/L		97	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*

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

Lab Sample ID: LCS 490-78772/3
Matrix: Water
Analysis Batch: 78772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 490-78772/4
Matrix: Water
Analysis Batch: 78772

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			250	289.1		ug/L		116	54 - 145	12	21
Benzene			50.0	52.25		ug/L		104	80 - 121	0	17
Bromobenzene			50.0	42.85		ug/L		86	68 - 130	2	20
Bromochloromethane			50.0	54.73		ug/L		109	78 - 129	0	17
Bromodichloromethane			50.0	58.33		ug/L		117	75 - 129	0	18
Bromoform			50.0	53.44		ug/L		107	46 - 145	5	16
Bromomethane			50.0	40.40		ug/L		81	41 - 150	8	50
2-Butanone (MEK)			250	284.5		ug/L		114	62 - 133	2	19
Carbon disulfide			50.0	49.27		ug/L		99	77 - 126	0	21
Carbon tetrachloride			50.0	59.44		ug/L		119	64 - 147	0	19
Chlorobenzene			50.0	47.04		ug/L		94	80 - 120	2	14
Chlorodibromomethane			50.0	50.72		ug/L		101	69 - 133	1	15
Chloroethane			50.0	52.36		ug/L		105	72 - 120	3	20
Chloroform			50.0	52.01		ug/L		104	73 - 129	0	18
Chloromethane			50.0	38.77		ug/L		78	12 - 150	8	31
2-Chlorotoluene			50.0	43.48		ug/L		87	75 - 126	0	17
4-Chlorotoluene			50.0	43.52		ug/L		87	75 - 130	0	18
cis-1,2-Dichloroethene			50.0	53.34		ug/L		107	76 - 125	1	17
cis-1,3-Dichloropropene			50.0	48.54		ug/L		97	74 - 140	0	15
1,2-Dibromo-3-Chloropropane			50.0	47.70		ug/L		95	54 - 125	3	24
1,2-Dibromoethane (EDB)			50.0	49.76		ug/L		100	80 - 129	2	15
Dibromomethane			50.0	56.19		ug/L		112	71 - 125	1	16
1,2-Dichlorobenzene			50.0	44.48		ug/L		89	80 - 121	1	15
1,3-Dichlorobenzene			50.0	44.18		ug/L		88	80 - 122	1	15
1,4-Dichlorobenzene			50.0	43.34		ug/L		87	80 - 120	0	15
Dichlorodifluoromethane			50.0	55.55		ug/L		111	37 - 127	1	18
1,1-Dichloroethane			50.0	54.63		ug/L		109	78 - 125	1	17
1,2-Dichloroethane			50.0	54.89		ug/L		110	77 - 121	0	17
1,1-Dichloroethene			50.0	58.12		ug/L		116	79 - 124	1	17
1,2-Dichloropropane			50.0	50.89		ug/L		102	75 - 120	2	17
1,3-Dichloropropane			50.0	46.80		ug/L		94	80 - 125	0	14
2,2-Dichloropropane			50.0	57.71		ug/L		115	43 - 161	1	18
1,1-Dichloropropene			50.0	54.65		ug/L		109	80 - 122	1	17
Ethylbenzene			50.0	47.61		ug/L		95	80 - 130	0	15
Hexachlorobutadiene			50.0	44.00		ug/L		88	49 - 146	1	23
2-Hexanone			250	237.1		ug/L		95	60 - 142	1	15
Isopropylbenzene			50.0	49.31		ug/L		99	80 - 141	1	16
Methylene Chloride			50.0	54.98		ug/L		110	79 - 123	2	17
4-Methyl-2-pentanone (MIBK)			250	249.2		ug/L		100	60 - 137	5	17
Methyl tert-butyl ether			50.0	57.57		ug/L		115	72 - 133	4	16

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

Lab Sample ID: LCSD 490-78772/4
Matrix: Water
Analysis Batch: 78772

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			50.0	47.87		ug/L		96	62 - 138	4	26
n-Butylbenzene			50.0	48.50		ug/L		97	68 - 132	0	18
N-Propylbenzene			50.0	44.12		ug/L		88	75 - 129	1	17
p-Isopropyltoluene			50.0	45.99		ug/L		92	75 - 128	0	16
sec-Butylbenzene			50.0	46.01		ug/L		92	76 - 128	0	16
Styrene			50.0	49.20		ug/L		98	80 - 127	1	24
tert-Butylbenzene			50.0	45.80		ug/L		92	76 - 126	1	16
1,1,1,2-Tetrachloroethane			50.0	48.82		ug/L		98	74 - 135	2	16
1,1,2,2-Tetrachloroethane			50.0	45.99		ug/L		92	69 - 131	4	20
Tetrachloroethene			50.0	49.30		ug/L		99	80 - 126	1	16
Toluene			50.0	46.91		ug/L		94	80 - 126	1	15
trans-1,2-Dichloroethene			50.0	57.79		ug/L		116	79 - 126	0	16
trans-1,3-Dichloropropene			50.0	48.70		ug/L		97	63 - 134	1	14
1,2,3-Trichlorobenzene			50.0	49.21		ug/L		98	62 - 133	3	25
1,2,4-Trichlorobenzene			50.0	48.23		ug/L		96	63 - 133	2	19
1,1,1-Trichloroethane			50.0	56.43		ug/L		113	78 - 135	0	17
1,1,2-Trichloroethane			50.0	46.86		ug/L		94	80 - 124	1	15
Trichloroethene			50.0	54.44		ug/L		109	80 - 123	0	17
Trichlorofluoromethane			50.0	53.62		ug/L		107	65 - 124	2	18
1,2,3-Trichloropropane			50.0	44.00		ug/L		88	70 - 131	3	19
1,2,4-Trimethylbenzene			50.0	44.55		ug/L		89	77 - 126	1	16
1,3,5-Trimethylbenzene			50.0	45.17		ug/L		90	77 - 127	1	17
Vinyl chloride			50.0	53.12		ug/L		106	68 - 120	3	17
Xylenes, Total			150	144.0		ug/L		96	80 - 132	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 490-79466/7
Matrix: Water
Analysis Batch: 79466

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L			05/15/13 18:06	1
Benzene	ND		1.00		ug/L			05/15/13 18:06	1
Bromobenzene	ND		1.00		ug/L			05/15/13 18:06	1
Bromochloromethane	ND		1.00		ug/L			05/15/13 18:06	1
Bromodichloromethane	ND		1.00		ug/L			05/15/13 18:06	1
Bromoform	ND		1.00		ug/L			05/15/13 18:06	1
Bromomethane	ND		1.00		ug/L			05/15/13 18:06	1
2-Butanone (MEK)	ND		50.0		ug/L			05/15/13 18:06	1
Carbon disulfide	ND		1.00		ug/L			05/15/13 18:06	1
Carbon tetrachloride	ND		1.00		ug/L			05/15/13 18:06	1
Chlorobenzene	ND		1.00		ug/L			05/15/13 18:06	1
Chlorodibromomethane	ND		1.00		ug/L			05/15/13 18:06	1

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

Lab Sample ID: MB 490-79466/7
Matrix: Water
Analysis Batch: 79466

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.00		ug/L			05/15/13 18:06	1
Chloroform	ND		1.00		ug/L			05/15/13 18:06	1
Chloromethane	ND		1.00		ug/L			05/15/13 18:06	1
2-Chlorotoluene	ND		1.00		ug/L			05/15/13 18:06	1
4-Chlorotoluene	ND		1.00		ug/L			05/15/13 18:06	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/15/13 18:06	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 18:06	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			05/15/13 18:06	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			05/15/13 18:06	1
Dibromomethane	ND		1.00		ug/L			05/15/13 18:06	1
1,2-Dichlorobenzene	ND		1.00		ug/L			05/15/13 18:06	1
1,3-Dichlorobenzene	ND		1.00		ug/L			05/15/13 18:06	1
1,4-Dichlorobenzene	ND		1.00		ug/L			05/15/13 18:06	1
Dichlorodifluoromethane	ND		1.00		ug/L			05/15/13 18:06	1
1,1-Dichloroethane	ND		1.00		ug/L			05/15/13 18:06	1
1,2-Dichloroethane	ND		1.00		ug/L			05/15/13 18:06	1
1,1-Dichloroethene	ND		1.00		ug/L			05/15/13 18:06	1
1,2-Dichloropropane	ND		1.00		ug/L			05/15/13 18:06	1
1,3-Dichloropropane	ND		1.00		ug/L			05/15/13 18:06	1
2,2-Dichloropropane	ND		1.00		ug/L			05/15/13 18:06	1
1,1-Dichloropropene	ND		1.00		ug/L			05/15/13 18:06	1
Ethylbenzene	ND		1.00		ug/L			05/15/13 18:06	1
Hexachlorobutadiene	ND		2.00		ug/L			05/15/13 18:06	1
2-Hexanone	ND		10.0		ug/L			05/15/13 18:06	1
Isopropylbenzene	ND		1.00		ug/L			05/15/13 18:06	1
Methylene Chloride	ND		5.00		ug/L			05/15/13 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			05/15/13 18:06	1
Methyl tert-butyl ether	ND		1.00		ug/L			05/15/13 18:06	1
Naphthalene	ND		5.00		ug/L			05/15/13 18:06	1
n-Butylbenzene	ND		1.00		ug/L			05/15/13 18:06	1
N-Propylbenzene	ND		1.00		ug/L			05/15/13 18:06	1
p-Isopropyltoluene	ND		1.00		ug/L			05/15/13 18:06	1
sec-Butylbenzene	ND		1.00		ug/L			05/15/13 18:06	1
Styrene	ND		1.00		ug/L			05/15/13 18:06	1
tert-Butylbenzene	ND		1.00		ug/L			05/15/13 18:06	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			05/15/13 18:06	1
Tetrachloroethene	ND		1.00		ug/L			05/15/13 18:06	1
Toluene	ND		1.00		ug/L			05/15/13 18:06	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/15/13 18:06	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			05/15/13 18:06	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			05/15/13 18:06	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			05/15/13 18:06	1
1,1,1-Trichloroethane	ND		1.00		ug/L			05/15/13 18:06	1
1,1,2-Trichloroethane	ND		1.00		ug/L			05/15/13 18:06	1
Trichloroethene	ND		1.00		ug/L			05/15/13 18:06	1
Trichlorofluoromethane	ND		1.00		ug/L			05/15/13 18:06	1
1,2,3-Trichloropropane	ND		1.00		ug/L			05/15/13 18:06	1

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

Lab Sample ID: MB 490-79466/7
Matrix: Water
Analysis Batch: 79466

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.00		ug/L			05/15/13 18:06	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			05/15/13 18:06	1
Vinyl chloride	ND		1.00		ug/L			05/15/13 18:06	1
Xylenes, Total	ND		3.00		ug/L			05/15/13 18:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/15/13 18:06*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/15/13 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*		*05/15/13 18:06*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*05/15/13 18:06*	*1*

Lab Sample ID: LCS 490-79466/3
Matrix: Water
Analysis Batch: 79466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	308.6		ug/L		123	54 - 145
Benzene	50.0	54.10		ug/L		108	80 - 121
Bromobenzene	50.0	44.70		ug/L		89	68 - 130
Bromochloromethane	50.0	57.86		ug/L		116	78 - 129
Bromodichloromethane	50.0	61.14		ug/L		122	75 - 129
Bromoform	50.0	54.80		ug/L		110	46 - 145
Bromomethane	50.0	42.02		ug/L		84	41 - 150
2-Butanone (MEK)	250	291.4		ug/L		117	62 - 133
Carbon disulfide	50.0	50.87		ug/L		102	77 - 126
Carbon tetrachloride	50.0	61.74		ug/L		123	64 - 147
Chlorobenzene	50.0	48.36		ug/L		97	80 - 120
Chlorodibromomethane	50.0	52.61		ug/L		105	69 - 133
Chloroethane	50.0	58.45		ug/L		117	72 - 120
Chloroform	50.0	54.76		ug/L		110	73 - 129
Chloromethane	50.0	39.86		ug/L		80	12 - 150
2-Chlorotoluene	50.0	46.43		ug/L		93	75 - 126
4-Chlorotoluene	50.0	46.37		ug/L		93	75 - 130
cis-1,2-Dichloroethene	50.0	55.02		ug/L		110	76 - 125
cis-1,3-Dichloropropene	50.0	49.79		ug/L		100	74 - 140
1,2-Dibromo-3-Chloropropane	50.0	49.63		ug/L		99	54 - 125
1,2-Dibromoethane (EDB)	50.0	52.00		ug/L		104	80 - 129
Dibromomethane	50.0	60.18		ug/L		120	71 - 125
1,2-Dichlorobenzene	50.0	47.28		ug/L		95	80 - 121
1,3-Dichlorobenzene	50.0	46.49		ug/L		93	80 - 122
1,4-Dichlorobenzene	50.0	46.33		ug/L		93	80 - 120
Dichlorodifluoromethane	50.0	54.72		ug/L		109	37 - 127
1,1-Dichloroethane	50.0	56.48		ug/L		113	78 - 125
1,2-Dichloroethane	50.0	58.41		ug/L		117	77 - 121
1,1-Dichloroethene	50.0	60.69		ug/L		121	79 - 124
1,2-Dichloropropane	50.0	51.55		ug/L		103	75 - 120
1,3-Dichloropropane	50.0	49.25		ug/L		99	80 - 125
2,2-Dichloropropane	50.0	59.02		ug/L		118	43 - 161

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

Lab Sample ID: LCS 490-79466/3
Matrix: Water
Analysis Batch: 79466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	50.0	55.89		ug/L		112	80 - 122
Ethylbenzene	50.0	49.15		ug/L		98	80 - 130
Hexachlorobutadiene	50.0	46.60		ug/L		93	49 - 146
2-Hexanone	250	252.1		ug/L		101	60 - 142
Isopropylbenzene	50.0	51.09		ug/L		102	80 - 141
Methylene Chloride	50.0	55.88		ug/L		112	79 - 123
4-Methyl-2-pentanone (MIBK)	250	255.9		ug/L		102	60 - 137
Methyl tert-butyl ether	50.0	61.60		ug/L		123	72 - 133
Naphthalene	50.0	53.88		ug/L		108	62 - 138
n-Butylbenzene	50.0	49.95		ug/L		100	68 - 132
N-Propylbenzene	50.0	46.03		ug/L		92	75 - 129
p-Isopropyltoluene	50.0	47.75		ug/L		96	75 - 128
sec-Butylbenzene	50.0	48.12		ug/L		96	76 - 128
Styrene	50.0	51.27		ug/L		103	80 - 127
tert-Butylbenzene	50.0	48.21		ug/L		96	76 - 126
1,1,1,2-Tetrachloroethane	50.0	51.18		ug/L		102	74 - 135
1,1,2,2-Tetrachloroethane	50.0	49.43		ug/L		99	69 - 131
Tetrachloroethene	50.0	49.79		ug/L		100	80 - 126
Toluene	50.0	48.44		ug/L		97	80 - 126
trans-1,2-Dichloroethene	50.0	57.84		ug/L		116	79 - 126
trans-1,3-Dichloropropene	50.0	50.20		ug/L		100	63 - 134
1,2,3-Trichlorobenzene	50.0	55.24		ug/L		110	62 - 133
1,2,4-Trichlorobenzene	50.0	53.69		ug/L		107	63 - 133
1,1,1-Trichloroethane	50.0	59.81		ug/L		120	78 - 135
1,1,2-Trichloroethane	50.0	49.38		ug/L		99	80 - 124
Trichloroethene	50.0	56.23		ug/L		112	80 - 123
Trichlorofluoromethane	50.0	55.86		ug/L		112	65 - 124
1,2,3-Trichloropropane	50.0	47.05		ug/L		94	70 - 131
1,2,4-Trimethylbenzene	50.0	47.41		ug/L		95	77 - 126
1,3,5-Trimethylbenzene	50.0	47.70		ug/L		95	77 - 127
Vinyl chloride	50.0	52.22		ug/L		104	68 - 120
Xylenes, Total	150	148.2		ug/L		99	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 490-79466/4
Matrix: Water
Analysis Batch: 79466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	313.6		ug/L		125	54 - 145	2	21
Benzene	50.0	54.05		ug/L		108	80 - 121	0	17
Bromobenzene	50.0	45.83		ug/L		92	68 - 130	2	20
Bromochloromethane	50.0	57.44		ug/L		115	78 - 129	1	17

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

Lab Sample ID: LCSD 490-79466/4
Matrix: Water
Analysis Batch: 79466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	50.0	60.78		ug/L		122	75 - 129	1	18
Bromoform	50.0	55.28		ug/L		111	46 - 145	1	16
Bromomethane	50.0	45.40		ug/L		91	41 - 150	8	50
2-Butanone (MEK)	250	297.2		ug/L		119	62 - 133	2	19
Carbon disulfide	50.0	51.51		ug/L		103	77 - 126	1	21
Carbon tetrachloride	50.0	61.42		ug/L		123	64 - 147	1	19
Chlorobenzene	50.0	48.46		ug/L		97	80 - 120	0	14
Chlorodibromomethane	50.0	52.48		ug/L		105	69 - 133	0	15
Chloroethane	50.0	59.88		ug/L		120	72 - 120	2	20
Chloroform	50.0	54.53		ug/L		109	73 - 129	0	18
Chloromethane	50.0	41.96		ug/L		84	12 - 150	5	31
2-Chlorotoluene	50.0	45.36		ug/L		91	75 - 126	2	17
4-Chlorotoluene	50.0	45.29		ug/L		91	75 - 130	2	18
cis-1,2-Dichloroethene	50.0	54.17		ug/L		108	76 - 125	2	17
cis-1,3-Dichloropropene	50.0	49.22		ug/L		98	74 - 140	1	15
1,2-Dibromo-3-Chloropropane	50.0	48.12		ug/L		96	54 - 125	3	24
1,2-Dibromoethane (EDB)	50.0	52.38		ug/L		105	80 - 129	1	15
Dibromomethane	50.0	58.91		ug/L		118	71 - 125	2	16
1,2-Dichlorobenzene	50.0	46.96		ug/L		94	80 - 121	1	15
1,3-Dichlorobenzene	50.0	46.04		ug/L		92	80 - 122	1	15
1,4-Dichlorobenzene	50.0	44.75		ug/L		90	80 - 120	3	15
Dichlorodifluoromethane	50.0	56.08		ug/L		112	37 - 127	2	18
1,1-Dichloroethane	50.0	56.34		ug/L		113	78 - 125	0	17
1,2-Dichloroethane	50.0	58.01		ug/L		116	77 - 121	1	17
1,1-Dichloroethene	50.0	60.52		ug/L		121	79 - 124	0	17
1,2-Dichloropropane	50.0	51.44		ug/L		103	75 - 120	0	17
1,3-Dichloropropane	50.0	49.28		ug/L		99	80 - 125	0	14
2,2-Dichloropropane	50.0	57.73		ug/L		115	43 - 161	2	18
1,1-Dichloropropene	50.0	55.17		ug/L		110	80 - 122	1	17
Ethylbenzene	50.0	49.15		ug/L		98	80 - 130	0	15
Hexachlorobutadiene	50.0	46.78		ug/L		94	49 - 146	0	23
2-Hexanone	250	255.2		ug/L		102	60 - 142	1	15
Isopropylbenzene	50.0	51.30		ug/L		103	80 - 141	0	16
Methylene Chloride	50.0	57.11		ug/L		114	79 - 123	2	17
4-Methyl-2-pentanone (MIBK)	250	259.5		ug/L		104	60 - 137	1	17
Methyl tert-butyl ether	50.0	62.01		ug/L		124	72 - 133	1	16
Naphthalene	50.0	54.67		ug/L		109	62 - 138	1	26
n-Butylbenzene	50.0	49.29		ug/L		99	68 - 132	1	18
N-Propylbenzene	50.0	45.37		ug/L		91	75 - 129	1	17
p-Isopropyltoluene	50.0	47.00		ug/L		94	75 - 128	2	16
sec-Butylbenzene	50.0	47.26		ug/L		95	76 - 128	2	16
Styrene	50.0	50.80		ug/L		102	80 - 127	1	24
tert-Butylbenzene	50.0	46.71		ug/L		93	76 - 126	3	16
1,1,1,2-Tetrachloroethane	50.0	50.11		ug/L		100	74 - 135	2	16
1,1,2,2-Tetrachloroethane	50.0	48.50		ug/L		97	69 - 131	2	20
Tetrachloroethene	50.0	50.02		ug/L		100	80 - 126	0	16
Toluene	50.0	48.65		ug/L		97	80 - 126	0	15
trans-1,2-Dichloroethene	50.0	59.77		ug/L		120	79 - 126	3	16

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

Lab Sample ID: LCSD 490-79466/4
Matrix: Water
Analysis Batch: 79466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			50.0	49.76		ug/L		100	63 - 134	1	14
1,2,3-Trichlorobenzene			50.0	55.39		ug/L		111	62 - 133	0	25
1,2,4-Trichlorobenzene			50.0	53.65		ug/L		107	63 - 133	0	19
1,1,1-Trichloroethane			50.0	59.14		ug/L		118	78 - 135	1	17
1,1,2-Trichloroethane			50.0	48.43		ug/L		97	80 - 124	2	15
Trichloroethene			50.0	56.88		ug/L		114	80 - 123	1	17
Trichlorofluoromethane			50.0	55.82		ug/L		112	65 - 124	0	18
1,2,3-Trichloropropane			50.0	46.63		ug/L		93	70 - 131	1	19
1,2,4-Trimethylbenzene			50.0	45.95		ug/L		92	77 - 126	3	16
1,3,5-Trimethylbenzene			50.0	46.60		ug/L		93	77 - 127	2	17
Vinyl chloride			50.0	52.58		ug/L		105	68 - 120	1	17
Xylenes, Total			150	148.7		ug/L		99	80 - 132	0	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*91*		*70 - 130*

GC/MS VOA

Analysis Batch: 78772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26253-1	MW-8	Total/NA	Water	8260B	
490-26253-6	MW-1	Total/NA	Water	8260B	
490-26253-7	MW-5	Total/NA	Water	8260B	
490-26253-8	MW-11	Total/NA	Water	8260B	
490-26253-11	Trip Blank	Total/NA	Water	8260B	
LCS 490-78772/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-78772/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-78772/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 79466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26253-1	MW-8	Total/NA	Water	8260B	
490-26253-2	MW-10	Total/NA	Water	8260B	
490-26253-2	MW-10	Total/NA	Water	8260B	
490-26253-3	MW-9	Total/NA	Water	8260B	
490-26253-3	MW-9	Total/NA	Water	8260B	
490-26253-4	MW-2	Total/NA	Water	8260B	
490-26253-5	MW-7	Total/NA	Water	8260B	
490-26253-5	MW-7	Total/NA	Water	8260B	
490-26253-6	MW-1	Total/NA	Water	8260B	
490-26253-8	MW-11	Total/NA	Water	8260B	
490-26253-9	MW-4	Total/NA	Water	8260B	
490-26253-9	MW-4	Total/NA	Water	8260B	
490-26253-10	MW-3	Total/NA	Water	8260B	
490-26253-10	MW-3	Total/NA	Water	8260B	
LCS 490-79466/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-79466/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-79466/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 79641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26253-7	MW-5	Total/NA	Water	8260B	

Client Sample ID: MW-8
Lab Sample ID: 490-26253-1
Date Collected: 05/07/13 10:33
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	78772	05/13/13 20:12	BM	TAL NSH
Total/NA	Analysis	8260B		20	79466	05/15/13 19:28	BM	TAL NSH

Client Sample ID: MW-10
Lab Sample ID: 490-26253-2
Date Collected: 05/07/13 11:42
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79466	05/15/13 19:56	BM	TAL NSH
Total/NA	Analysis	8260B		5	79466	05/15/13 20:23	BM	TAL NSH

Client Sample ID: MW-9
Lab Sample ID: 490-26253-3
Date Collected: 05/07/13 12:25
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79466	05/15/13 20:50	BM	TAL NSH
Total/NA	Analysis	8260B		10	79466	05/15/13 21:18	BM	TAL NSH

Client Sample ID: MW-2
Lab Sample ID: 490-26253-4
Date Collected: 05/07/13 13:30
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79466	05/15/13 18:34	BM	TAL NSH

Client Sample ID: MW-7
Lab Sample ID: 490-26253-5
Date Collected: 05/07/13 14:35
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79466	05/15/13 21:45	BM	TAL NSH
Total/NA	Analysis	8260B		5	79466	05/15/13 22:12	BM	TAL NSH

Client Sample ID: MW-1
Lab Sample ID: 490-26253-6
Date Collected: 05/07/13 15:15
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	78772	05/13/13 22:27	BM	TAL NSH
Total/NA	Analysis	8260B		5	79466	05/15/13 22:40	BM	TAL NSH

Lab Chronicle

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Client Sample ID: MW-5

Lab Sample ID: 490-26253-7

Date Collected: 05/08/13 10:45
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	78772	05/13/13 22:54	BM	TAL NSH
Total/NA	Analysis	8260B		20	79641	05/16/13 14:21	BM	TAL NSH

Client Sample ID: MW-11

Lab Sample ID: 490-26253-8

Date Collected: 05/08/13 11:43
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	78772	05/13/13 23:21	BM	TAL NSH
Total/NA	Analysis	8260B		50	79466	05/15/13 23:34	BM	TAL NSH

Client Sample ID: MW-4

Lab Sample ID: 490-26253-9

Date Collected: 05/08/13 13:42
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79466	05/16/13 00:01	BM	TAL NSH
Total/NA	Analysis	8260B		5	79466	05/16/13 00:29	BM	TAL NSH

Client Sample ID: MW-3

Lab Sample ID: 490-26253-10

Date Collected: 05/08/13 14:26
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79466	05/16/13 00:56	BM	TAL NSH
Total/NA	Analysis	8260B		5	79466	05/16/13 01:23	BM	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 490-26253-11

Date Collected: 05/07/13 00:01
Matrix: Water
Date Received: 05/10/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	78772	05/13/13 19:45	BM	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Leggette, Brashears & Graham, Inc.
Project/Site: CFI Hollis 70263 / V2114

TestAmerica Job ID: 490-26253-1
SDG: 202-06 Hillside Ave, Hollis, NY

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-26253 Chain of Custody

Cooler Received/Opened On : 05/09/13 @ 0830

Tracking # 1572 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 17960357

1. Temperature of rep. sample or temp blank when opened: 3.9 *Degrees Celsius*
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA
4. Were custody seals on outside of cooler? YES...NO...NA
   If yes, how many and where: Front
5. Were the seals intact, signed, and dated correctly? YES...NO...NA
6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES NO NA
   Were these signed and dated correctly? YES...NO...NA
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)? YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA
12. Did all container labels and tags agree with custody papers? YES...NO...NA
13a. Were VOA vials received? YES...NO...NA
   b. Was there any observable headspace present in any VOA vial?
14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA
   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA
16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) EA

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA
18. Did you sign the custody papers in the appropriate place? YES...NO...NA
19. Were correct containers used for the analysis requested? YES...NO...NA
20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) EA

I certify that I attached a label with the unique LIMS number to each container (intial) EA

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Jorma Weber
Company: Leggette, Brashears & Graham, Inc.
Address: 110 Corporate Park Drive, Suite 112
City: White Plains
State, Zip: NY, 10604
Phone: 914-694-5711(Tel)
Email: weber@lbgny.com
Project Name: CFI Hollis 70263 / V2114
Site: 202-06 Hillside Ave, Hollis, NY

Sampler: AH / MM
Phone: 914-694-5711
Lab PM: Salomon, Sherry
E-Mail: sherry.salomon@testamericainc.com
Carrier Tracking No(s):
COC No: 490-7713-3590.1
Page: Page 1 of 1
Job #:

Due Date Requested:
TAT Requested (days): STANDARD
PO #: 39120
WO #:
Project #: 49000929
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - New York Full List	Total Number of containers
		Preservation Code:					A	
MW-8	5/7/13	1033	G	W			X	
MW-10		1142						
MW-9		1225						
MW-2		1330						
MW-7		1435						
MW-1		1515						
MW-5	5/8/13	1045						
MW-11		1143						
MW-4		1342						
MW-3		1426						
TMP BLANK	—	—						

Special Instructions/Note:
Loc: 490
26253

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [ ] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)
Special Instructions/QC Requirements:

	Date	Time	Company	Method of Shipment
Empty Kit Relinquished by:				
Relinquished by:	5/8/13 1700		LBG	
Relinquished by:				
Relinquished by:				

	Date/Time	Company
Received by:	5-9-13 8:30	TAN
Received by:		
Received by:		
Cooler Temperature(s) °C and Other Remarks:	3.9	

5/17/2013

Login Sample Receipt Checklist

Client: Leggette, Brashears & Graham, Inc.

Job Number: 490-26253-1
SDG Number: 202-06 Hillside Ave, Hollis, NY

Login Number: 26253
List Number: 1
Creator: Myers, Madonna

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

B.3. PMG Northeast, LLC Site Status Update Report (April 2017)

PMG Northeast, LLC
SITE STATUS UPDATE REPORT

Site ID:	PMG #8541	**Regulatory Agency:**	NYSDEC - Region 2
Site Address:	202-06 Hillside Avenue Hollis, New York	**Regulatory Contact:**	Jonathan Kolleeny
Client Contact:	Gail Helfrick	**NYSDEC Spill #(s):**	97-13740
Consultant:	Groundwater & Environmental Services, Inc. (GES)	**GES Project Manager:**	Dennis G. Shin, P.E.

Report Date: April 28, 2017

Monitoring Period: January through March 2017

Current Site Status: The site is currently an active Gulf-branded service station with convenience store.

Work Performed:

- February 2 through February 28, 2017 – Completed installation of remedial system wells AS-1A, AS-2 through AS-5, SVE-1S/D, SVE-2S/D, and SVE-3S/D. The wells were installed as specified in the September 2016 *Remedial Action Plan* (RAP). Following well installation activities, 43 drums of Non-Hazardous materials were transported and disposed of at the Clean Earth of North Jersey location in Kearny, NJ. The waste manifest is included as **Attachment G**.

- February 3, 2017 - Conducted quarterly groundwater monitoring activities which included gauging and sampling of 12 monitoring wells (MW-1 through MW-5, and MW-7 through MW-13). Groundwater samples were submitted for analysis of full-list VOCs via EPA Method 8260C. Groundwater sampling at off-site wells MW-6 and WN-1 through WN-3 has been discontinued per NYSDEC approval.

- March 13, 2017 – Conducted a one-day air sparge (AS)/soil vapor extraction (SVE) pilot test utilizing GES' Data Acquisition and Processing Laboratory (DAPL).

- March 28, 2017 – GES held a bid walk on-Site with several contractors to prepare for remedial system trenching and piping installation.

Feasibility Testing Results:

During the August 2002 AS/SVE feasibility test conducted by Geologic Services Corporation (GSC), a conservative vacuum ROI of 40 feet was determined at an applied vacuum of approximately 7.82 i.w. and a resulting extraction flow rate of 23.7 scfm. During the feasibility test GSC also reported a conservative AS ROI of 20 feet at an applied pressure of 17.4 psi and a flow rate of 5 scfm. Based on the reported conclusions from the August 2002 pilot test, six (6) extraction wells (SVE-1S, SVE-1D, SVE-2S, SVE-2D, SVE-3S, and SVE-3D) and five (5) sparge wells (AS-1A, and AS-2 through AS-5) were installed. GES conducted an AS/SVE feasibility test at the newly installed remediation wells in order to confirm system requirements and ROIs. A summary of engineering field notes is presented in **Attachment C**. A summary of the feasibility testing data is included in **Table 3** and **Attachment D**. The following feasibility testing activities were performed:

- SVE test at extraction well SVE-2D;
- AS test at sparge well AS-5;
- AS/SVE test at extraction well SVE-2D and sparge well AS-5; and,
- SVE test at extraction well SVE-2S;

The main results of the feasibility testing activities conducted indicate the following:

- Feasibility testing confirmed a conservative 40 foot vacuum ROI when a shallow extraction well was utilized and 3.80" Hg vacuum was applied to the well. When utilizing the deep extraction wells and applying 4.46" Hg to the well, a conservative ROI of only 23 feet was able to be measured. There were no observation wells screened at the water table at distances greater than 14.3 feet from the extraction well to be monitored and evaluate larger ROIs at the deep extraction wells.
    - Observation wells MW-1 and MW-3 could not be used to evaluate pressure influence due to the well construction. The well screens for MW-1 and MW-3 were completely submerged during feasibility

testing activities. Only observation wells MW-12 and MW-13 were used during SVE testing at SVE-2D. When testing at SVE-2S, SVE-1S and SVE-3S were used as additional observation wells.

- Observed significant pressure influence (pressure influence greater than 0.10 i.w.) and increases in DO indicate that sparge wells will remediate impacts within a conservative ROI of at least 18 feet when utilizing a minimum sparge flow of 7 scfm. A 0.76 i.w. pressure influence and an 84.2% DO increase over baseline levels were observed at monitoring well MW-13 during AS testing at AS-5.
  - Since the lithology of the site where AS would be applied consists of well graded to poorly graded sand and/or gravelly sand which generally leads to high AS ROIs, the design sparge ROI of 20 feet at the test injection flow rate (step 1) of 7 scfm per well will be utilized.

- When SVE was applied with AS testing, sparged vapors were effectively captured via SVE since the monitoring wells were observed to be under vacuum influence or had reduced pressure influence when compared to AS-only testing. For example, during AS/SVE testing, MW-13 (located 14.3 feet from the extraction well) had a change in pressure influence of -0.61 i.w. from the AS-only test to the AS/SVE test.

- During the AS/SVE test at AS-5/SVE-2D, hydrocarbon recovery was non-detect for benzene, 53.82 pounds per day (lbs/day) of C_5-C_{10} total petroleum hydrocarbons (TPH), 0.003 lbs/day of TCE, and 0.074 lbs/day of PCE. During the shallow SVE test at SVE-2S, hydrocarbon recovery was non-detect for benzene, 7.25 lbs/day of C_5-C_{10} TPH, non-detect for TCE, and 0.057 lbs/day of PCE.

Groundwater Monitoring:

Number of Wells:	**Total = 37** On-site Wells: MWs (10): MW-1 through MW-4, MW-7 through MW-11 and MW-13 IWs (10): IW-1 through IW-10 AS (5): AS-1A, and AS-2 through AS-5 SVE (6): SVE-1S/D, SV-2S/D and SVE-3S/D Off-site Wells: MWs (3): MW-5, MW-6 and MW-11 WNs (3): WN-1 through WN-3
Gauging Frequency:	Quarterly for the entire monitoring well network.
LPH:	ND at all well locations
Groundwater Depth:	50.71 (MW-5) to 58.91 (MW-3) feet below TOC.
Groundwater Flow:	Southwest
Groundwater Analytical Results:	BTEX: ND at seven (7) wells (MW-1, MW-2, MW-4, MW-5, MW-7, MW-9 and MW-10) to 6,045 µg/L (MW-12) MTBE: ND at the well locations sampled Total STARS-Listed VOCs: ND at seven (7) wells (MW-1, MW-2, MW-4, MW-5, MW-7, MW-9 and MW-10) to 15,099 µg/L (MW-12) PCE: 30.1 µg/L (MW-11) to 883 µg/L (MW-9) TCE: ND at one (1) well (MW-2) to 115 µg/L (MW-12) cis-1,2-DCE: ND at three (3) wells (MW-2, MW-4 and MW-5) to 7,338 µg/L (MW-12) Vinyl Chloride: ND at eleven (11) wells (MW-1 through MW-5, MW-7 through MW-10, MW-12 and MW-13) to 70.1 µg/L (MW-11)

Proposed Plans:

- Conduct quarterly groundwater sampling in May 2017.
- Prepare a Site Status Update Report in July 2017 documenting quarterly site activities.
- Complete remedial system trenching and piping installation in the 2nd quarter of 2017 per the Remedial Action Plan, dated September 27, 2016.

Attachments:

Table 1 – Historical Groundwater Monitoring Summary – STARS-Listed VOCs
Table 2 – Historical Groundwater Monitoring Summary – Chlorinated Solvents
Table 3 – Observation Well Groundwater Chemistry Monitoring Summary

Figure 1 – Groundwater Monitoring Map – February 3, 2017
Figure 2 – Groundwater Monitoring Map – Chlorinated Solvents – February 3, 2017

Attachment A – List of Acronyms
Attachment B – Hydrographs
Attachment C – Summary of Remedial Feasibility Testing Field Notes
Attachment D – Vacuum Influence Versus Distance Summary
Attachment E – Laboratory Analytical Results – Groundwater
Attachment F – Laboratory Analytical Results – Air
Attachment G – Waste Manifest

TABLES

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	
MW-1	10/6/1998	88.70	69.40	-	19.30	ND < 5.0	**34**	**25**	**78**	137	-	-	-	-	-	-	-	-	-	ND < 5.0	137	
	1/22/1999		69.77	-	18.93	**30**	**21**	**15**	**47**	113	-	-	-	-	-	-	-	-	-	**230**	113	
	9/29/1999		70.09	-	18.61	**151**	**643**	**146**	**714**	1,654	-	-	-	-	-	-	-	-	-	**249**	1,654	
	12/22/1999		69.69	-	19.01	**3**	3.8	0.7	**5.8**	13.3	-	-	-	-	-	-	-	-	-	**67.4**	13.3	
	3/16/2000		68.85	-	19.85	**1.3**	2.5	ND < 2.0	0.71	4.51	-	-	-	-	-	-	-	-	-	**58.1**	4.51	
	6/9/2000		68.09	-	20.61	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 2.0	ND < 21	
	9/8/2000		67.36	-	21.34	**87.6**	**190**	**70.4**	**578**	926	-	-	-	-	-	-	-	-	-	**81.4**	926	
	12/18/2000		68.80	-	19.90	**6.2**	**23.3**	**11.3**	**120**	160.8	-	-	-	-	-	-	-	-	-	**12**	160.8	
	4/3/2001		66.10	-	22.60	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 2.0	ND < 21	
	7/19/2001		65.06	-	23.64	**7.1**	**27**	**12.6**	**205**	251.7	-	-	-	-	-	-	-	-	-	**25.9**	251.7	
	10/10/2001		64.90	-	23.80	**1.3**	**6.8**	**26**	**59.2**	93.3	-	-	-	-	-	-	-	-	-	**33.9**	93.3	
	1/10/2002		64.70	-	24.00	ND < 1.0	ND < 1.0	ND < 1.0	1.3 J	1.3	-	-	-	-	-	-	-	-	-	2.1	1.3	
	4/27/2002		63.50	-	25.20	**2.3**	ND < 1.0	ND < 1.0	2.8	5.1	-	-	-	-	-	-	-	-	-	**14.6**	5.1	
	7/11/2002		66.87	-	21.83	ND < 2.0	ND < 2.0	ND < 2.0	3.2 J	3.2	-	-	-	-	-	-	-	-	-	2.6	3.2	
	10/17/2002		67.33	-	21.37	ND < 1.0	1.5	ND < 1.0	**11.6**	13.1	-	-	-	-	-	-	-	-	-	ND < 1.0	13.1	
	1/27/2003		66.05	-	22.65	**2.1**	**21.6**	1.5	**64.7**	89.9	-	-	-	-	-	-	-	-	-	5.6	89.9	
	4/25/2003		64.97	-	23.73	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.5	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.5	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.5	ND < 1.0	ND < 17.5	
	1/27/2004	NSD	-	-	-	**1**	1	ND < 1	3	5	-	-	-	-	-	-	-	-	-	3	5	
	4/6/2004		-	-	-	ND < 1	2	ND < 1	**10**	12	-	-	-	-	-	-	-	-	-	1	12	
	7/26/2004		-	-	-	0.39	ND < 1.0	ND < 1.0	ND < 1.0	0.39	-	-	-	-	-	-	-	-	-	2.0	0.39	
	10/6/2004		60.82	-	-	0.50	1	ND < 1.0	ND < 1.0	2	-	-	-	-	-	-	-	-	-	4.1	2	
	1/20/2005		59.50	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	0.71	ND < 16.5	
	4/8/2005		58.40	-	-	ND < 0.5	4.2	1.3	**17.5**	23	-	-	-	-	-	-	-	-	-	5.1	23	
	7/11/2005	88.70	57.54	-	31.16	0.51	ND < 1	ND < 1	2.6	3.11	-	-	-	-	-	-	-	-	-	8.5	3.11	
	10/7/2005	NSD	57.94	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 16.5	
	2/15/2007		-	-	-	0.67	**15**	1.3	**14**	30.97	ND < 5	ND < 5	ND < 5	2.7	0.92	ND < 5	ND < 5	ND < 5	ND < 5	0.8	34.59	
	4/30/2007		-	-	-	0.46	0.34	ND < 1	1.8	2.6	ND < 5	ND < 5	ND < 5	ND < 5	0.66	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	3.26	
	8/1/2007		-	-	-	**17.5**	1.7	ND < 1	1.8	21	ND < 5	ND < 5	ND < 5	ND < 5	0.66	ND < 5	ND < 5	ND < 5	ND < 5	6.4	21.66	
	11/1/2007	88.66	54.80	-	33.86	**5.9**	2.7	ND < 1	3.8	12.4	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	**16.7**	12.4	
	2/19/2008	NSD	-	-	-	0.45	0.99	ND < 1	**10.9**	12.34	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	5.2	12.34	
	5/2/2008		-	-	-	ND < 25	ND < 5	ND < 5	**14.5**	14.5	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	**10.2**	14.5	
	8/8/2008		-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	**34.6**	ND < 76	
	11/5/2008	88.95	55.25	-	33.70	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	ND < 76	
	2/4/2009	NSD	-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	ND < 76	
	5/7/2009		-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	ND < 76	
	8/12/2009		-	-	-	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	ND < 2	ND < 44	
	11/3/2009	88.95	53.98	-	34.97	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	ND < 2	ND < 44	
	2/19/2010	NSD	-	-	-	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2	ND < 2	ND < 34	
	5/6/2010		-	-	-	ND < 1	3.51	ND < 1	**146**	149.51	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 2	149.51	
	8/19/2010		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	11/1/2010	88.95	52.90	-	36.05	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	2/14/2011	NSD	-	-	-	ND < 1	ND < 1	1.52	ND < 3	1.52	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	1.52	
	5/27/2011		-	-	-	**4.69**	ND < 1	ND < 1	ND < 3	4.69	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	4.69	
	8/12/2011		-	-	-	**28**	ND < 1	**17.8**	ND < 3	45.8	1.78	4.17	ND < 1	ND < 1	ND < 1	**7.08**	ND < 1	ND < 5	ND < 1	ND < 1	58.83	
	11/8/2011	88.95	52.27	-	36.68	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	2/6/2012	NSD	-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	5/4/2012		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	5/14/2012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8/6/2012	88.70	-	-	-	**21.1**	**28**	ND < 1.0	**92**	141.1	ND < 1.0	ND < 1.0	ND < 1.0	**11.5**	**14.3**	1.17	ND < 1.0	ND < 5.0	ND < 1.0	1.37	168.07	
	11/13/2012		53.60	-	35.35	**8.46**	**57.2**	**6.24**	**53**	124.9	4.76	1.3	ND < 1.0	**5.12**	**7.6**	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	1.37	143.68	
	2/12/2013		-	-	-	ND < 1.0	2.95	4.48	**55.1**	62.53	ND < 1.0	ND < 1.0	ND < 1.0	**5.64**	**7.93**	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	76.1	
	5/7/2013		-	-	-	**4.71**	2.4	ND < 1.0	ND < 3.0	7.11	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	7.11	
	8/28/2013		-	-	-	**5.57**	**29**	4.48	ND < 5.0	39.05	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	39.05	
	12/11/2013		-	-	-	**354**	**1,280**	**57.6**	**2,050**	3,742	**22.5**	2.89	2.03	**524**	**204**	ND < 1.0	3.5	**29**	ND < 1.0	**39.6**	4,530	
	3/26/2014		-	-	-	**12.8**	**17.2**	3.04	**74.2**	107.24	ND < 1.0	ND < 1.0	ND < 1.0	**24.3**	**14.9**	ND < 1.0	3.5	ND < 5.0	ND < 1.0	ND < 1.0	149.94	
	6/27/2014		-	-	-	**452**	**421**	**9.13**	**370**	1,252	2.61	2.62	ND < 1.0	**8.77**	**29**	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	**17**	1,295	
	9/25/2014	88.95	54.13	-	34.82	**51.1**	**223**	**13.7**	**136**	423.8	ND < 1.0	1.47	ND < 1.0	**16.1**	**7.78**	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	449.15	

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	
MW-1 (cont)	12/11/2014	88.95	-	-	-	**60.8**	**446**	**10.5**	**649**	1,166	4.97	2.08	ND	**45.1**	**67.2**	3.31	ND	**10.7**	ND	ND	1,300	
	3/24/2015		54.25	-	34.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	6/19/2015		54.03	-	34.92	ND	ND	**8.66**	**45.2**	53.86	ND	1.85	ND	**53.3**	**16.2**	ND	ND	ND	ND	ND	125.21	
	9/28/2015		54.54	-	34.41	ND	ND	3.68	**44**	47.68	ND	3.04	ND	**36.4**	**9.8**	ND	ND	ND	ND	ND	96.92	
	12/18/2015		54.97	-	33.98	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	1.52	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	1.52	
	2/17/2016		55.19	-	33.76	**65.8**	**814**	**11.7**	**2810**	3701.5	**22.3**	**ND < 10.0**	**ND < 10.0**	**1,300**	**476**	**50.3**	**12.8**	**ND < 50.0**	**ND < 10.0**	**ND < 10.0**	5,562.90	
	5/31/2016		55.22	-	33.73	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	9/16/2016		55.69	-	33.26	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	11/21/2016		56.00	-	32.95	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	2/3/2017		56.27	-	32.68	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
MW-2	10/6/1998	88.63	70.31	-	18.32	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 39	
	1/22/1999		70.68	-	17.95	ND < 2	ND < 2	ND < 3	ND < 1	ND < 8	-	-	-	-	-	-	-	-	-	ND < 2.3	ND < 43	
	9/29/1999		70.93	-	17.70	0.59	ND < 0.14	ND < 0.39	ND < 0.53	0.59	-	-	-	-	-	-	-	-	-	2.5	0.59	
	12/22/1999		70.46	-	18.17	ND < 0.25	ND < 0.14	ND < 0.39	ND < 0.53	ND < 1.31	-	-	-	-	-	-	-	-	-	0.56	ND < 36.31	
	3/16/2000		69.70	-	18.93	0.27	ND < 2.0	ND < 2.0	ND < 2.0	0.27	-	-	-	-	-	-	-	-	-	1.5	0.27	
	6/9/2000		68.86	-	19.77	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 2.0	ND < 43	
	9/8/2000		68.23	-	20.40	ND < 1.0	0.9	ND < 1.0	2.6	3.5	-	-	-	-	-	-	-	-	-	ND < 1.0	3.5	
	12/18/2000		67.67	-	20.96	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 43	
	4/3/2001		66.96	-	21.67	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 43	
	7/19/2001		65.92	-	22.71	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 43	
	10/10/2001		65.76	-	22.87	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	**19**	ND < 43	
	1/10/2002		65.50	-	23.13	ND < 2.5	ND < 2.5	ND < 2.5	ND < 13	ND < 20.5	-	-	-	-	-	-	-	-	-	ND < 2.5	ND < 55.5	
	4/27/2002		64.30	-	24.33	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 43	
	7/11/2002		67.76	-	20.87	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	0.5	ND < 43	
	10/17/2002		68.25	-	20.38	ND < 2.5	ND < 2.5	ND < 2.5	ND < 13	ND < 20.5	-	-	-	-	-	-	-	-	-	2.5	ND < 55.5	
	1/27/2003		67.95	-	20.68	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 43	
	4/25/2003		65.84	-	22.79	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 43	
	1/27/2004	NSD	-	-	-	ND < 1	ND < 1	ND < 1	3	3	-	-	-	-	-	-	-	-	-	ND < 1	3	
	4/6/2004		-	-	-	ND < 1	2.0	ND < 1	3	5	-	-	-	-	-	-	-	-	-	ND < 1	5	
	7/26/2004		-	-	-	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.5	-	-	-	-	-	-	-	-	-	0.61	ND < 3.5	
	10/6/2004		61.75	-	-	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.5	-	-	-	-	-	-	-	-	-	0.92	ND < 3.5	
	1/20/2005		60.35	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 122.5	
	4/8/2005		59.32	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	0.58	ND < 122.5	
	7/11/2005	88.63	58.45	-	30.18	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	0.69	ND < 122.5	
	10/7/2005	NSD	58.82	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 122.5	
	2/15/2007		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	4/30/2007		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	8/1/2007		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	11/1/2007	89.63	55.71	-	33.92	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	2/19/2008	NSD	-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	0.31	ND < 48.5	
	5/2/2008		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	8/8/2008		-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	ND < 76	
	11/5/2008	89.91	56.21	-	33.70	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	ND < 76	
	2/4/2009	NSD	-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	ND < 76	
	5/7/2009		-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	ND < 76	
	8/12/2009		-	-	-	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	ND < 2	ND < 44	
	11/3/2009	89.91	54.92	-	34.99	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	ND < 2	ND < 44	
	2/19/2010	NSD	-	-	-	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2	ND < 2	ND < 34	
	5/6/2010		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	8/19/2010		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	11/1/2010	89.91	53.81	-	36.10	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	2/14/2011	NSD	-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	5/27/2011		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	8/12/2011		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	11/8/2011	89.91	53.23	-	37.64	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	2/6/2012	NSD	-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	5/4/2012		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	
MW-2 (cont)	5/14/2012	NSD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8/6/2012	88.63	-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	11/13/2012		54.53	-	35.38	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	2/12/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	5/7/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	8/28/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	12/11/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 19	
	3/26/2014		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	4.66	4.66	ND < 1.0	ND < 1.0	ND < 1.0	**5.69**	1.79	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	12.14	
	6/27/2014		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 2.0	ND < 5	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 18	
	9/25/2014		55.23	-	33.40	ND < 1.0	ND < 1.0	ND < 1.0	2.62	2.62	ND < 1.0	ND < 1.0	ND < 1.0	2.08	1.05	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	5.75	
	12/11/2014		-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 18	
	3/24/2015		55.21	-	33.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 18	
	6/19/2015		54.95	-	33.68	ND	ND	ND	ND	ND	ND	ND	ND	1.68	ND	ND	ND	ND	ND	ND	1.68	
	9/28/2015		55.45	-	33.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 18	
	12/18/2015		55.90	-	32.73	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	2/17/2016		56.12	-	32.51	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	5/31/2016		56.14	-	32.49	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	9/16/2016		56.61	-	32.02	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	11/21/2016		55.91	-	32.72	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	**6.55**	2.66	1.22	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	10.43	
	2/3/2017		57.19	-	31.44	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
MW-3	10/6/1998	91.36	70.66	0.25	20.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1/22/1999		70.83	0.58	20.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9/29/1999		71.74	0.72	20.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12/22/1999		70.65	-	20.71	**1,070**	**15,200**	**1,770**	**12,400**	30,440	-	-	-	-	-	-	-	-	-	**740**	30,440	
	3/16/2000		69.98	-	21.38	**295**	**9,100**	**919**	**5,270**	15,584	-	-	-	-	-	-	-	-	-	**216**	15,584	
	6/9/2000		69.15	-	22.21	**626**	**11,900**	**1,040**	**5,840**	19,406	-	-	-	-	-	-	-	-	-	**157**	19,406	
	9/8/2000		68.43	-	22.93	**311**	**4,400**	**508**	**2,960**	8,179	-	-	-	-	-	-	-	-	-	**157**	8,179	
	12/18/2000		69.46	-	21.90	**851**	**11,900**	**1,300**	**8,900**	22,951	ND < 1.0	-	-	-	-	-	-	-	-	**577**	22,951	
	4/3/2001		68.73	-	22.63	**487**	**13,700**	**1,680**	**9,090**	24,957	1.05	-	-	-	-	-	-	-	-	**134**	24,958	
	7/19/2001		67.73	-	23.63	**2,440**	**22,800**	**840**	**20,000**	46,080	ND < 1.0	-	-	-	-	-	-	-	-	**786**	46,080	
	10/10/2001		67.57	-	23.79	**1,490**	**18,600**	**1,040**	**18,400**	39,530	ND < 1.0	-	-	-	-	-	-	-	-	**1,020**	39,530	
	1/10/2002		67.30	-	24.06	**1,200**	**28,800**	**890**	**22,000**	52,890	ND < 1.0	-	-	-	-	-	-	-	-	**352**	52,890	
	4/27/2002		66.10	-	25.26	**832**	**30,900**	**784**	**23,200**	55,716	2	-	-	-	-	-	-	-	-	**447**	55,718	
	7/11/2002		69.53	-	21.83	**163**	**6,460**	**1,650**	**8,380**	16,653	**1,340**	-	-	-	-	-	-	-	-	**27.6**	17,993	
	10/17/2002		70.02	-	21.34	**191**	**6,830**	**1,900**	**8,260**	17,181	**1,800**	-	-	-	-	-	-	-	-	**ND < 25**	18,981	
	1/27/2003		65.15	-	26.21	**260**	**4,040**	**310**	**13,900**	18,510	**576**	-	-	-	-	-	-	-	-	**710**	19,086	
	4/25/2003		-	-	-	**1**	**15**	2	**14**	32	-	-	-	-	-	-	-	-	-	1	32	
	1/27/2004	NSD	-	-	-	**480**	**20,000**	**890**	**11,500**	32,870	-	-	-	-	-	-	-	-	-	**230**	32,870	
	4/6/2004		-	-	-	**338**	**18,500**	**934**	**17,800**	37,572	-	-	-	-	-	-	-	-	-	**13.6**	37,572	
	7/26/2004		-	-	-	**338**	**18,500**	**934**	**17,800**	37,572	-	-	-	-	-	-	-	-	-	**13.6**	37,572	
	10/6/2004		63.57	-	-	**64.6**	**509**	**506**	**3,150**	4,229.6	-	-	-	-	-	-	-	-	-	ND < 1	4,229.6	
	1/20/2005		62.31	-	-	**21.7**	**213**	**458**	**1,330**	2,022.7	-	-	-	-	-	-	-	-	-	ND < 5	2,022.7	
	4/8/2005		61.02	-	-	**18.1**	**77.9**	**312**	**346**	754	-	-	-	-	-	-	-	-	-	5.1	754	
	7/11/2005	91.36	60.21	-	31.15	**24.1**	**1,220**	**279**	**1,210**	2,733.1	-	-	-	-	-	-	-	-	-	**32.7**	2,733.1	
	10/7/2005	NSD	60.55	-	-	**13.9**	**993**	**675**	**2,570**	4,251.9	-	-	-	-	-	-	-	-	-	4.7	4,251.9	
	2/15/2007		-	-	-	**5.1**	**1,890**	**1,190**	**5,150**	8,235.1	20.3	**66.8**	ND < 25	**858**	**236**	ND < 25	ND < 25	**321**	ND < 25	5.3	9,737.2	
	4/30/2007		-	-	-	**1.4**	**267**	**796**	**1,500**	2,564.4	27.6	**76**	2.4	**766**	**262**	ND < 5	2.5	**228**	ND < 5	5.2	3,928.9	
	8/1/2007		-	-	-	ND < 2.5	**272**	**759**	**617**	1,648	19.8	**62.1**	ND < 25	**827**	**227**	**22.3**	ND < 25	**176**	ND < 25	ND < 5	2,982.2	
	11/1/2007	91.72	57.38	-	34.34	**1.3**	**393**	**906**	**1,050**	2,350.3	30.6	**82.6**	2.5	**751**	**212**	**19**	3.2	**247**	ND < 10	**30.5**	3,698.2	
	2/19/2008	NSD	-	-	-	**2.1**	**528**	**1,570**	**1,500**	3,600.1	54.4	**150**	**5.6**	**1,390**	**380**	**39.5**	**7.4**	**270**	ND < 10	**23**	5,897	
	5/2/2008		-	-	-	ND < 2.5	**719**	**843**	**1,880**	3,442	22.5	**57.6**	ND < 25	**768**	**198**	**15.6**	ND < 25	**145**	ND < 25	3.4	4,648.7	
	8/8/2008		-	-	-	ND < 5	**1,070**	**583**	**2,140**	3,793	ND < 25	ND < 25	ND < 25	**420**	ND < 25	ND < 25	ND < 25	**213**	ND < 25	ND < 25	4,426	
	11/5/2008	91.54	57.86	-	33.68	ND < 1	**124**	**61.5**	ND < 5	185.5	ND < 5	ND < 5	ND < 5	**96.4**	**24**	**12.8**	ND < 5	**908**	ND < 5	2.92	1,226.7	
	2/4/2009	NSD	-	-	-	ND < 1	**3,310**	**1,470**	**9,630**	14,410	49.7	**89.1**	**22.6**	**2,050**	**627**	ND < 5	ND < 5	**592**	ND < 5	ND < 5	17,840.4	
	5/7/2009		-	-	-	ND < 1	**255**	**98.4**	**616**	969.4	3.76	**7.01**	ND < 5	**105**	**45.7**	ND < 5	ND < 5	**107**	ND < 5	ND < 5	1,237.87	
	8/12/2009		-	-	-	ND < 2	**833**	**1,310**	**5,630**	7,773	47	**112**	**15.6**	**1,540**	**463**	ND < 2	ND < 2	**368**	ND < 2	ND < 2	10,318.6	
	11/3/2009	91.54	56.61	-	34.93	ND < 2	**999**	**1,080**	**4,450**	6,529	44.7	**112**	**15.4**	**1,180**	**347**	ND < 2	4.7	**150**	ND < 2	ND < 2	8,382.8	

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	
MW-3 (cont)	2/19/2010	NSD	-	-	-	ND < 2	**1,320**	**2,420**	**6,540**	10,280	56	**120**	**42**	**3,410**	**1,170**	ND < 2	ND < 2	**860**	ND < 2	ND < 2	15,938	
	5/6/2010		-	-	-	ND < 1	**544**	**1,230**	**8,880**	10,654	57.3	**50.3**	**11.4**	**4,510**	**1,640**	**76.4**	ND < 1	**960**	ND < 1	ND < 1	17,959.4	
	8/19/2010		-	-	-	ND < 1	**1,760**	**1,910**	**12,300**	15,970	86.7	**165**	**11.4**	**4,050**	**1,220**	**66.4**	3.59	**950**	ND < 1	ND < 1	22,523.09	
	11/1/2010	91.54	55.68	-	35.86	ND < 1	**940**	**1,620**	**9,590**	12,150	101	**154**	**12.5**	**4,820**	**1,420**	**79.3**	3.92	**903**	ND < 1	ND < 1	19,643.72	
	2/14/2011	NSD	-	-	-	ND < 1	**597**	**1,390**	**6,810**	8,797	85.6	**194**	**12.9**	**3,410**	**1,170**	**72.7**	4	**767**	ND < 1	ND < 1	14,513.2	
	5/27/2011		-	-	-	ND < 1	**127**	**1,380**	**6,250**	7,757	66	**151**	**27.6**	**3,760**	**1,090**	**55.5**	4.22	**669**	ND < 1	ND < 1	13,580.32	
	8/12/2011		-	-	-	ND < 1	**786**	**1,280**	**7,560**	9,626	72.2	**168**	**10.8**	**4,620**	**1,440**	**68.5**	4.84	**1,050**	ND < 1	ND < 1	17,060.34	
	11/8/2011	91.54	54.89	-	36.65	ND < 1	**200**	**1,150**	**6,400**	7,750	56.6	**151**	**56.6**	**4,390**	**1,370**	**151**	**5.19**	**626**	ND < 1	ND < 1	14,556.39	
	2/6/2012	NSD	-	-	-	ND < 1	**71.1**	**713**	**4,130**	4,914.1	79.7	**179**	**14.6**	**4,890**	**1,330**	**93.6**	3.38	**843**	ND < 1	ND < 1	12,347.38	
	5/4/2012		-	-	-	ND < 1	**388**	**1,190**	**7,090**	8,668	61.8	**248**	**10.8**	**3,480**	**1,210**	**64**	3.09	**614**	ND < 1	ND < 1	14,359.69	
	5/14/2012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8/6/2012	91.36	9.80	-	81.56	ND < 1.0	**161**	**830**	**5,260**	6,251	**79.7**	**231**	**16.2**	**4,640**	**1,540**	**91.5**	3.27	**497**	ND < 1.0	ND < 1.0	13,350	
	11/13/2012		56.21	-	81.23	ND < 1.0	**15.4**	**170**	**1,020**	1,205	**26.1**	**132**	**17.6**	**2,850**	**1,260**	ND < 1.0	2.81	**448**	1.01	ND < 1.0	5,943	
	2/12/2013		10.18	-	81.18	ND < 1.0	**15.1**	**159**	**878**	1,052	**19.9**	**79.6**	**13.7**	**2,040**	**949**	**64.1**	1.85	**382**	ND < 1.0	ND < 1.0	4,602	
	5/7/2013		9.55	-	81.81	ND < 1.0	4.3	**69.7**	**369**	443	**8.16**	**28.6**	2.7	**803**	**412**	ND < 1.0	ND < 1.0	**104**	ND < 1.0	ND < 1.0	1,801	
	8/28/2013		9.55	-	81.81	ND < 1.0	**21**	**248**	**1,250**	1,519	**36.2**	**133**	**12.7**	**3,190**	**1,150**	ND < 5.0	ND < 5.0	**292**	ND < 5.0	ND < 5.0	6,333	
	12/11/2013		8.57	-	82.79	ND < 1.0	**59**	**328**	**1,820**	2,207	ND < 1.0	**93.3**	ND < 1.0	**1,120**	**480**	ND < 1.0	3.47	**138**	ND < 1.0	ND < 1.0	4,042	
	3/26/2014		9.43	-	81.93	ND < 1.0	**53.2**	**657**	**2,550**	3,260	ND < 1.0	**89.9**	4	**1,280**	**352**	ND < 1.0	3.47	**185**	ND < 1.0	ND < 1.0	5,175	
	6/27/2014		8.98	-	82.38	ND < 1.0	**46.8**	**389**	**721**	1,157	**30.6**	**59.7**	**6.59**	**2,190**	**637**	ND < 1.0	3.47	**168**	ND < 1.0	ND < 1.0	4,252	
	9/25/2014		57.00	-	34.36	ND < 1.0	**59.5**	**826**	**4,030**	4,916	**44.5**	**130**	**9.62**	**2,190**	**637**	**51.8**	3.67	**207**	ND < 1.0	ND < 1.0	8,189	
	12/11/2014		-	-	-	ND	**5.68**	**51.2**	**415**	471.88	**13.4**	**10.2**	**8.21**	**1,230**	**569**	**41.5**	3.52	6.63	ND	ND	2,354	
	3/24/2015		56.86	-	34.50	ND	ND	**79.7**	**241**	320.7	**59.7**	**157**	**13.3**	**3,590**	**1,200**	ND	ND	**161**	1.03	ND	5,503	
	6/19/2015		56.67	-	34.69	ND	**7.56**	**229**	**1,260**	1,497	**64.1**	**158**	**10.7**	**2,650**	**811**	**61.5**	ND	**148**	ND	ND	5,400	
	9/28/2015		57.17	-	34.19	ND	**27.6**	**550**	**2,610**	3,188	**52.4**	**171**	ND	**2,270**	**731**	ND	ND	**240**	ND	ND	6,652	
	12/17/2015		37.67	-	53.69	ND < 10.00	**15.7**	**721**	**3,510**	4,247	**51.3**	**162**	**12.2**	**2,200**	**880**	**69.7**	ND < 10.00	**257**	ND < 10.00	ND < 10.00	7,879	
	2/17/2016		57.83	-	33.53	ND < 1.00	ND < 1.00	**21.2**	**79.1**	100.3	**26.2**	**62.2**	**13.7**	**673**	**410**	**99.3**	**8.90**	**29.1**	ND < 1.00	ND < 1.00	1,422.7	
	5/31/2016		57.87	-	33.49	ND < 1.00	**6.99**	**301**	**446**	753.99	**30.5**	**60.4**	**13.8**	**2,050**	**671**	ND < 1.00	**6.89**	**61.5**	ND < 1.00	ND < 1.00	3,648.08	
	9/16/2016		58.39	-	32.97	ND < 20.0	ND < 20.0	**244**	**1,530**	1,774	ND < 20.0	**41.9**	ND < 20.0	**1,170**	**459**	**84.6**	ND < 20.0	ND < 100	ND < 20.0	ND < 20.0	3,529.5	
	11/21/2016		58.65	-	32.71	ND < 5.00	ND < 5.00	**8.98**	ND < 15.0	8.98	ND < 5.00	**5.57**	**8.96**	**836**	**255**	**39.7**	ND < 5.00	ND < 25.0	ND < 5.00	ND < 5.00	1,154.21	
	2/3/2017		58.91	-	32.45	ND < 5.00	ND < 5.00	**66.9**	**70.3**	137.2	14.2	**31.0**	**11.5**	**1,050**	**147**	ND < 5.00	ND < 5.00	ND < 25.0	ND < 5.00	ND < 5.00	1,390.9	
MW-4	6/9/2000	88.35	67.78	-	20.57	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 8	-	-	-	-	-	-	-	-	-	4.2	ND < 39	
	9/8/2000		67.04	-	21.31	0.51	0.81	0.37	2.4	4.09	-	-	-	-	-	-	-	-	-	2.4	4.09	
	12/18/2000		66.48	-	21.87	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	0.78	3.6	**152**	**14.78**	**10.4**	**152**	-	**152**	**166.78**	3.1	652.34	
	4/3/2001		65.76	-	22.59	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	**1,670**	**1,830**	**3,520**	**7,830**	**4,330**	**3,520**	-	**3,520**	**11,350**	1.6	37,570	
	7/19/2001		64.75	-	23.60	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	**419**	**1,280**	**700**	**3,309**	**1,610**	**700**	-	**700**	**4,009**	2.6	12,727	
	10/10/2001		64.58	-	23.77	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	**100**	**733**	**346**	**1,496**	**663**	**346**	-	**346**	**1,842**	ND < 1.0	5,872	
	1/10/2002		64.30	-	24.05	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	1.89	**16.8**	3.89	**27.14**	**8.45**	3.89	-	3.89	**31.03**	ND < 1.0	96.98	
	4/27/2002		63.56	-	24.79	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	ND < 5.0	ND < 5.0	ND < 5.0	0.65	ND < 5.0	ND < 5.0	-	ND < 5.0	0.65	ND < 1.0	1.3	
	7/11/2002		66.57	-	21.78	0.31	ND < 1.0	ND < 1.0	ND < 5.0	0.31	ND < 2.0	ND < 2.0	2.34	ND	ND < 2.0	2.34	-	2.34	2.34	0.31	9.67	
	10/17/2002		67.05	-	21.30	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5	ND < 10	ND < 2.0	ND < 2.0	ND < 2.0	ND < 8	ND < 2.0	ND < 2.0	-	ND < 2.0	ND < 8	ND < 2.5	ND < 48	
	1/27/2003		65.83	-	22.52	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	**918**	**79.4**	**1,324**	**406**	**79.4**	-	**79.4**	**1,855**	ND < 4.0	4,742	
	4/25/2003		64.65	-	23.70	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	**348**	**11.2**	**412.4**	**64.4**	**11.2**	-	**11.2**	**451.4**	ND < 4.0	1,310	
	1/27/2004	NSD	-	-	-	ND < 1	2	1	3	6	-	-	-	-	-	-	-	-	-	1	6	
	4/6/2004		-	-	-	ND < 1	4	ND < 1	**6**	10	-	-	-	-	-	-	-	-	-	ND < 1	10	
	7/26/2004		-	-	-	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 3.5	
	10/6/2004		60.50	-	-	0.81	0.59	ND < 1.0	ND < 1.0	1.40	-	-	-	-	-	-	-	-	-	5.1	1.40	
	1/20/2005		59.41	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 99.5	
	4/8/2005		58.10	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 99.5	
	7/11/2005	88.35	57.20	-	31.15	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 99.5	
	10/7/2005	NSD	57.58	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 99.5	
	2/15/2007		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	4/30/2007		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	8/1/2007		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	11/1/2007	88.35	54.46	-	33.89	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	2/19/2008	NSD	-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	0.31	ND < 48.5	
	5/2/2008		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	8/8/2008		-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 61	

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	
MW-4 (cont)	11/5/2008	88.61	57.92	-	30.69	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	**14.3**	ND < 5	ND < 5	14.3	
	2/4/2009	NSD	-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	ND < 76	
	5/7/2009		-	-	-	ND < 1	4.69	3.86	**21.2**	29.75	ND < 5	ND < 5	ND < 5	**7.78**	ND < 5	ND < 5	ND < 5	ND < 20	ND < 5	ND < 5	37.53	
	8/12/2009		-	-	-	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	ND < 2	ND < 44	
	11/3/2009	88.61	53.72	-	34.89	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	ND < 2	ND < 44	
	2/19/2010	NSD	-	-	-	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2	ND < 2	ND < 34	
	5/6/2010		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	8/19/2010		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	11/1/2010	88.61	52.61	-	36.00	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	2/14/2011	NSD	-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	1.04	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	1.04	
	5/27/2011		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	8/12/2011		-	-	-	ND < 1	ND < 1	ND < 1	4.79	4.79	ND < 1	ND < 1	ND < 1	**7.12**	2.29	ND < 1	ND < 1	5.97	ND < 1	ND < 1	20.17	
	11/8/2011	88.61	52.00	-	36.61	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	2/6/2012	NSD	-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	5/4/2012		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	5/14/2012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8/6/2012	88.35	-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 19	
	11/13/2012		53.33	-	35.28	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 19	
	2/12/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 19	
	5/7/2013		-	-	-	ND < 1.0	ND < 1.0	1.6	**5.28**	6.88	ND < 1.0	ND < 1.0	ND < 1.0	**9.15**	2.33	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	18.36	
	8/28/2013		-	-	-	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 20	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 65	
	12/11/2013		-	-	-	ND < 1.0	**10.4**	**47.85**	**293**	351.25	**7.05**	**29**	1.93	**241**	**77.9**	**14.6**	2.42	**45.2**	ND < 1.0	ND < 1.0	770.35	
	3/26/2014		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	3.17	1.52	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	4.69	
	6/27/2014		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 19	
	9/25/2014		54.05	-	34.30	ND < 1.0	ND < 1.0	**5.25**	**30.9**	36.15	ND < 1.0	ND < 1.0	ND < 1.0	**9.51**	3.22	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	48.88	
	12/11/2014		10.55	-	77.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 19	
	3/24/2015		53.95	-	34.40	ND	ND	1.46	**8.95**	10.41	ND	ND	ND	**12.3**	3.43	ND	ND	ND	ND	ND	26.14	
	6/19/2015		53.79	-	34.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 19	
	9/28/2015		53.83	-	34.52	ND	ND	4.86	**56**	60.86	1.02	3.73	ND	**42.9**	**11.8**	ND	ND	6.58	ND	ND	126.89	
	12/18/2015		54.68	-	33.67	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	2/17/2016		54.90	-	33.45	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	5/31/2016		54.93	-	33.42	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	**19.1**	ND < 1.00	ND < 1.00	19.1	
	9/16/2016		55.39	-	32.96	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	11/21/2016		55.70	-	32.65	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	2/3/2017		55.94	-	32.41	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
MW-5	6/9/2000	83.20	62.67	-	20.53	**479**	**627**	**826**	**3,800**	5,732	-	-	-	-	-	-	-	-	-	**838**	5,732	
	9/8/2000		61.95	-	21.25	**660**	**522**	**1,330**	**4,480**	6,992	-	-	-	-	-	-	-	-	-	**654**	6,992	
	12/18/2000		61.36	-	21.84	**584**	**332**	**1,430**	**5,990**	8,336	-	-	-	-	-	-	-	-	-	**914**	8,336	
	4/3/2001		60.63	-	22.57	**172**	**38**	**384**	**912**	1,506	-	-	-	-	-	-	-	-	-	**358**	1,506	
	7/19/2001		59.60	-	23.60	**126**	**31.1**	**344**	**918**	1,419	-	-	-	-	-	-	-	-	-	**217**	1,419	
	10/10/2001		59.47	-	23.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1/10/2002		59.18	-	24.02	**159**	**121**	**166**	**996**	1,442	-	-	-	-	-	-	-	-	-	**162**	1,442	
	4/27/2002		57.98	-	25.22	**157**	**462**	**295**	**1,980**	2,894	-	-	-	-	-	-	-	-	-	**171**	2,894	
	7/11/2002		61.44	-	21.76	**143**	**626**	**438**	**2,880**	4,087	-	-	-	-	-	-	-	-	-	**134**	4,087	
	10/17/2002		61.85	-	21.35	**4.2**	2	**14.2**	**49.4**	69.8	-	-	-	-	-	-	-	-	-	**23.8**	69.8	
	1/27/2003		61.94	-	21.26	**13.1**	**5.3**	**17.4**	**144**	179.8	-	-	-	-	-	-	-	-	-	**48.6**	179.8	
	4/25/2003		59.49	-	23.71	**4.2**	**7.4**	**8.6**	**48**	68.2	-	-	-	-	-	-	-	-	-	5.2	68.2	
	1/27/2004	NSD	-	-	-	**6**	**9**	**12**	**46**	73	-	-	-	-	-	-	-	-	-	**46**	73	
	4/6/2004		-	-	-	ND < 1	ND < 1	ND < 1	ND < 2	ND < 5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 5	
	7/26/2004		-	-	-	ND < 0.50	ND < 1.0	ND < 1.0	1.9	1.9	-	-	-	-	-	-	-	-	-	ND < 1.0	1.9	
	10/6/2004		55.05	-	-	**1.5**	0.53	1.8	2.2	6.03	-	-	-	-	-	-	-	-	-	5.6	6.03	
	1/20/2005		54.10	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	3.7	ND < 16.5	
	4/8/2005		52.90	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	0.79	ND < 16.5	
	7/11/2005	83.20	52.05	-	31.15	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 16.5	
	10/7/2005	NSD	52.48	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 16.5	
	2/15/2007		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	0.71	ND < 48.5	
	4/30/2007		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	
MW-5 (cont)	8/1/2007	NSD	-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	0.55	ND < 48.5	
	11/1/2007	83.15	48.85	-	34.30	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	2/19/2008	NSD	-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	0.31	ND < 48.5	
	5/2/2008		-	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 1	ND < 48.5	
	8/8/2008		-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 61	
	11/5/2008	83.37	49.81	-	33.56	**2.17**	ND < 5	2.43	ND < 5	4.6	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	4.6	
	2/4/2009	NSD	-	-	-	ND < 1	ND < 5	ND < 5	ND < 5	ND < 16	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	1.78	ND < 5	ND < 5	1.78	
	5/7/2009		-	-	-	ND < 1	ND < 5	ND < 5	3.46	3.46	ND < 5	**5.15**	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	**21.1**	ND < 5	ND < 5	29.71	
	8/12/2009		-	-	-	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	ND < 2	ND < 44	
	11/3/2009	83.37	48.49	-	34.88	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	ND < 2	ND < 44	
	2/19/2010	NSD	-	-	-	ND < 2	ND < 2	ND < 2	ND < 2	ND < 8	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2	ND < 2	ND < 34	
	5/6/2010		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	2.12	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	2.12	
	8/19/2010		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	4.21	ND < 1	ND < 1	4.21	
	11/1/2010	83.57	47.42	-	36.15	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5.41	ND < 1	ND < 1	5.41	
	2/14/2011	NSD	-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	3.05	ND < 1	ND < 1	3.05	
	5/27/2011		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	8/12/2011		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	11/8/2011	83.37	46.77	-	36.60	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	2/6/2012	NSD	-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	5/4/2012		-	-	-	ND < 1	ND < 1	ND < 1	ND < 3	ND < 6	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1	ND < 1	ND < 19	
	5/14/2012		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8/6/2012	83.20	-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	11/13/2012		48.10	-	35.27	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	2/12/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	5/7/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 15	
	8/28/2013		-	-	-	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 20	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 65	
	12/11/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 19	
	3/26/2014		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	**5.41**	5.41	ND < 1.0	ND < 1.0	ND < 1.0	3.88	1.58	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	10.87	
	6/27/2014		-	-	-	ND < 1.0	ND < 1.0	**5.95**	**16.5**	22.45	ND < 1.0	2.28	ND < 1.0	**40.8**	**12.4**	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	77.93	
	9/25/2014		48.81	-	34.39	ND < 1.0	1.26	ND < 1.0	2.6	3.86	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	3.86	
	12/11/2014		-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 19	
	3/24/2015		48.71	-	34.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 19	
	6/19/2015		48.53	-	34.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 19	
	9/28/2015		49.03	-	34.17	ND	ND	**8.36**	**92.4**	100.76	1.7	**6.18**	ND	**68.2**	**19**	ND	ND	ND	ND	ND	195.84	
	12/18/2015		49.49	-	33.71	ND < 1.00	ND < 1.00	**22.5**	**118**	140.5	1.72	**5.22**	ND < 1.00	**68.7**	**19.1**	1.01	ND < 1.00	**14.4**	ND < 1.00	ND < 1.00	250.65	
	2/17/2016		49.71	-	33.49	ND < 1.00	ND < 1.00	1.24	**11.7**	12.94	ND < 1.00	3.31	ND < 1.00	**39.5**	**11.2**	**5.36**	ND < 1.00	**15.0**	ND < 1.00	ND < 1.00	87.31	
	5/31/2016		49.73	-	33.47	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	9/16/2016		50.22	-	32.98	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	11/21/2016		50.49	-	32.71	ND < 5.00	ND < 5.00	ND < 5.00	ND < 15.0	ND < 30.0	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 25.0	ND < 5.00	ND < 5.00	ND < 95	
	2/3/2017		50.71	-	32.49	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
MW-6	6/9/2000	66.19	46.20	-	19.99	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 17	
	9/8/2000		45.47	-	20.72	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 17	
	4/3/2001		43.98	-	22.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7/19/2001		43.00	-	23.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10/10/2001		42.89	-	23.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1/10/2002		42.70	-	23.49	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 21	
	4/27/2002		41.48	-	24.71	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 21	
	7/11/2002		44.87	-	21.32	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 21	
	10/17/2002		45.05	-	21.14	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 8	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 21	
	1/27/2003		46.13	-	20.06	ND < 1.0	ND < 1.0	ND < 1.0	1.7	1.7	-	-	-	-	-	-	-	-	-	ND < 1.0	1.7	
	4/25/2003		42.81	-	23.38	ND < 1.0	2.4	ND < 1.0	2.7	5.1	-	-	-	-	-	-	-	-	-	**10.9**	5.1	
	1/27/2004	NSD	-	-	-	ND < 1	ND < 1	ND < 1	ND < 2	ND < 5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 5	
	4/6/2004		-	-	-	ND < 1	ND < 1	ND < 1	ND < 2	ND < 5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 5	
	7/26/2004		-	-	-	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 3.5	
	10/6/2004		38.31	-	-	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1.0	ND < 3.5	
	1/20/2005		37.00	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	0.58	ND < 16.5	

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	
MW-6	4/8/2005	NSD	36.09	-	-	ND < 0.5	ND < 1	ND < 1	ND < 1	ND < 3.5	-	-	-	-	-	-	-	-	-	ND < 1	ND < 16.5	
(cont)	9/16/2016	66.19	55.39	-	10.80	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
MW-7	5/7/2013	88.94	-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 3.0	ND < 6	ND < 1.0	ND < 1.0	ND < 1.0	1.23	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	1.23	
	8/28/2013		-	-	-	ND < 5.0	**5.65**	ND < 5.0	ND < 10.0	5.65	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 25.0	ND < 5.0	ND < 5.0	5.65	
	12/11/2013		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 17	
	3/26/2014		-	-	-	ND < 1.0	ND < 1.0	1.49	**8.22**	9.71	ND < 1.0	ND < 1.0	ND < 1.0	4.9	1.44	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	16.05	
	6/27/2014		-	-	-	ND < 1.0	ND < 1.0	ND < 1.0	ND < 2.0	ND < 5	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 18	
	9/25/2014		54.30	-	34.64	ND < 1.0	ND < 1.0	ND < 1.0	ND < 2.0	ND < 5	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0	ND < 1.0	ND < 18	
	12/11/2014		-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 18	
	3/24/2015		54.22	-	34.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND < 18	
	6/19/2015		54.00	-	34.94	ND	**9.71**	**72.6**	**631**	713.31	4.11	**11.9**	ND	**131**	**43**	3.98	1.67	ND	ND	ND	908.97	
	9/28/2015		54.51	-	34.43	ND	ND	ND	ND	ND	ND	ND	ND	1.17	ND	ND	ND	ND	ND	ND	1.17	
	12/18/2015		54.96	-	33.98	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	1.07	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	1.07	
	2/17/2016		55.15	-	33.79	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	5/31/2016		55.20	-	33.74	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	9/16/2016		55.67	-	33.27	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	11/21/2016		55.98	-	32.96	ND < 5.00	ND < 5.00	ND < 5.00	ND < 15.0	ND < 30.0	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 25.0	ND < 5.00	ND < 5.00	ND < 95	
	2/3/2017		56.24	-	32.70	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
MW-8	5/7/2013	88.18	-	-	-	ND < 1.0	**14.5**	**146**	**548**	708.5	**72.3**	**296**	**15.2**	**2,490**	**844**	**130**	**20.5**	**216**	ND < 1.0	ND < 1.0	4,793	
	8/28/2013		-	-	-	ND < 5.0	**20.3**	**192**	**869**	1,081	**66.1**	**280**	**13.2**	**2,520**	**856**	ND < 5.0	**21.4**	ND < 25.0	ND < 5.0	ND < 5.0	4,838	
	12/11/2013		-	-	-	ND < 1.0	**19.5**	**168**	**781**	968.5	**59.8**	**198**	**13.6**	**1,880**	**638**	**108**	**19**	**140**	1.01	ND < 1.0	4,026	
	3/26/2014		-	-	-	ND < 1.0	**8.28**	**62.3**	**241**	311.58	**48.9**	**191**	**13.2**	**1,920**	**661**	ND < 1.0	**18.1**	**105**	ND < 1.0	ND < 1.0	3,269	
	6/27/2014		-	-	-	ND < 1.0	**5.85**	**18.9**	**103**	127.75	**28.7**	**156**	**13**	**1,190**	**485**	**156**	**19.2**	**63.4**	ND < 1.0	ND < 1.0	2,239	
	9/25/2014		53.65	-	34.53	ND < 1.0	4.81	**26.6**	**73.3**	104.71	**50.9**	**223**	**15.5**	**1,850**	**699**	**106**	**18.7**	**57.2**	ND < 1.0	ND < 1.0	3,125	
	12/11/2014		9.78	-	78.40	ND	4.81	**7.33**	**70.8**	82.94	**24.8**	**139**	**9.77**	**1,070**	**427**	**101**	**20.4**	**33.5**	ND	ND	1,908	
	3/24/2015		53.55	-	34.63	ND	2.07	**12.7**	**19.6**	34.37	**37.9**	**199**	**14.9**	**1,280**	**439**	**111**	**20.6**	**31.2**	1.2	ND	2,169	
	6/19/2015		53.33	-	34.85	ND	**22.2**	**192**	**929**	1,143	**45.3**	**179**	**12.9**	**1,810**	**606**	**92.9**	**20.4**	**55.5**	ND	ND	3,965	
	9/28/2015		53.83	-	34.35	ND	ND	**129**	**521**	650	ND	**26.7**	**10.9**	ND	**420**	ND	**19.6**	**50.4**	ND	ND	1,178	
	12/17/2015		54.32	-	33.86	ND < 5.00	ND < 5.00	**49.9**	**96.3**	146.2	**18.4**	**124**	**9.38**	**796**	**298**	**73.9**	**15.6**	ND < 25.0	ND < 5.00	ND < 5.00	1,481	
	2/17/2016		54.46	-	33.72	ND < 10.0	ND < 10.0	**489**	**728**	1,217	**65.8**	**295**	**11.3**	**2,720**	**1,040**	**87.2**	**26.3**	**79.0**	**ND < 10.0**	ND < 10.0	5,541.6	
	5/31/2016		54.52	-	33.66	ND < 1.00	ND < 1.00	**49.9**	**96.3**	146.2	**47.0**	**244**	**30.0**	**1700**	**652**	ND < 1.00	**38.3**	**26.8**	**1.52**	ND < 1.00	2,885.82	
	9/16/2016		55.00	-	33.18	ND < 1.00	ND < 1.00	**18.7**	**85.9**	104.6	**29.6**	**219**	**24.7**	**1,190**	**475**	**146**	**30.8**	**10.1**	**1.36**	ND < 1.00	2,231.16	
	11/21/2016		55.27	-	32.91	ND < 5.00	ND < 5.00	**10.8**	**36.2**	47.0	**18.7**	**155**	**16.3**	**769**	**270**	**117**	**25.6**	ND < 25.0	ND < 5.00	ND < 5.00	1,418.6	
	2/3/2017		55.54	-	32.64	ND < 5.00	ND < 5.00	**8.77**	**46.6**	55.37	17.3	**140**	**21.3**	**757**	**253**	ND < 5.00	**25.8**	ND < 25.0	ND < 5.00	ND < 5.00	1,269.77	
MW-9	6/15/2015	90.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9/28/2015		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5/31/2016	NSD	56.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9/16/2016	90.75	57.46	-	33.29	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	11/21/2016		57.75	-	33.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 15.0	ND < 30	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 25.0	ND < 5.00	ND < 5.00	ND < 95	
	2/3/2017		57.78	-	32.97	ND < 5.00	ND < 5.00	ND < 5.00	ND < 15.0	ND < 30	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 25.0	ND < 5.00	ND < 5.00	ND < 95	
MW-10	6/15/2015	90.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9/28/2015		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5/31/2016	NSD	57.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9/16/2016	90.91	57.65	-	33.26	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	11/21/2016		57.93	-	32.98	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	2/3/2017		58.21	-	32.70	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
MW-11	5/7/2013	86.11	10.58	-	75.53	ND < 1.0	ND < 1.0	**612**	**2,330**	2,942	**89.1**	**278**	**9.57**	**3,140**	**824**	**71.5**	**11.7**	**457**	ND < 1.0	ND < 1.0	7,823	
	8/28/2013		10.52	-	75.59	ND < 1.0	ND < 1.0	**93.2**	**24.6**	117.8	**14.8**	**62.5**	3.04	**125**	**75.3**	**24.6**	**5.01**	**77.4**	ND < 1.0	ND < 1.0	505.45	
	12/11/2013		9.61	-	76.50	ND < 1.0	**44.9**	**2,040**	**11,000**	13,085	**6.9**	**180**	3.04	**125**	**75.3**	**52.4**	**11.4**	**565**	ND < 1.0	ND < 1.0	14,104	
	3/26/2014		-	-	-	ND < 1.0	2.27	**912**	**3,700**	4,614	**36.7**	**107**	3.81	**125**	**372**	ND < 1.0	**7.83**	**316**	ND < 1.0	ND < 1.0	5,583	
	6/27/2014		-	-	-	ND < 1.0	ND < 1.0	1.53	2.9	4.43	ND < 1.0	1.26	ND < 1.0	3.95	1.02	4.49	1.37	5.2	ND < 1.0	ND < 1.0	21.72	
	9/25/2014		51.60	-	34.51	ND < 1.0	1.01	**13.5**	**6.6**	21.11	ND < 1.0	**6.02**	ND < 1.0	**28.4**	2.62	2.55	ND < 1.0	6.42	ND < 1.0	ND < 1.0	67.12	
	12/11/2014		-	-	-	ND	1.01	**464**	**2,460**	2,925	**92.5**	**45.1**	**30.3**	**3,920**	**1,350**	**327**	**45.1**	**142**	1.28	ND	8,878	
	3/24/2015		51.55	-	34.56	ND	ND	1.07	2.12	3.19	ND	**8.14**	1.83	**9.46**	2.32	**11.7**	2.82	ND	ND	ND	39.46	
	6/19/2015		51.29	-	34.82	ND	ND	**14.2**	ND	14.2	ND	2.24	ND	1.4	ND	ND	ND	ND	ND	ND	17.84	
	9/28/2015		51.88	-	34.23	ND	ND	**295**	**3,250**	3,545	**92.2**	**366**	**11.3**	**3,540**	**1,010**	**90.1**	**20.9**	**549**	ND	ND	9,225	

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	
MW-11 (cont)	12/18/2015	86.11	52.26	-	33.85	ND < 1.00	ND < 1.00	**754**	**4,150**	4,904	**80.2**	**283**	**10.2**	**3,230**	**888**	**70.8**	**14.8**	**612**	ND < 1.00	ND < 1.00	10,093	
	2/17/2016		52.47	-	33.64	ND < 1.00	ND < 1.00	**897**	**9,430**	10,327	**150**	**404**	**14.2**	**5,320**	**1,500**	**235**	**25.8**	**1,220**	ND < 1.00	ND < 1.00	19,196	
	5/31/2016		52.54	-	33.57	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
	9/16/2016		53.00	-	33.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11/21/2016		53.27	-	32.84	ND < 1.00	ND < 1.00	**781**	**4,320**	5,101	**55.5**	**191**	**9.45**	**3,270**	**897**	ND < 1.00	**13.5**	**1,210**	ND < 1.00	ND < 1.00	10,747.45	
	2/3/2017		53.46	-	32.65	ND < 1.00	2.49	**184**	**304**	490.49	20.2	**62.6**	3.16	**421**	**217**	ND < 1.00	**7.11**	**149**	ND < 1.00	ND < 1.00	1,370.56	
MW-12	12/11/2013	87.96	-	-	-	ND < 1.0	**44.9**	**2,510**	**15,400**	17,955	**98**	**239**	**12.1**	**3,890**	**1,070**	**77.3**	**14.4**	**923**	ND < 1.0	ND < 1.0	24,279	
	3/26/2014		-	-	-	ND < 1.0	**33.2**	**2,070**	**12,200**	14,303	**78.9**	**188**	**9.69**	**3,540**	**982**	ND < 1.0	**12.2**	**894**	ND < 1.0	ND < 1.0	20,008	
	6/27/2014		-	-	-	ND < 10.0	**137**	**4,100**	**25,200**	29,437	**347**	**1,270**	**77.2**	**17,000**	**5,250**	ND < 10.0	**88.2**	**2,850**	ND < 10.0	ND < 10.0	56,319	
	9/25/2014		53.43	-	34.53	ND < 1.0	**50**	**2,430**	**13,500**	15,980	**106**	**269**	**10.2**	**4,390**	**1,020**	**58.6**	**88.2**	**786**	ND < 1.0	ND < 1.0	22,708	
	12/11/2014		-	-	-	ND	**62.3**	**2,960**	**18,800**	21,822	**149**	**481**	**17.2**	**6,670**	**1,850**	**112**	**23.8**	**1,660**	ND	ND	32,785	
	3/24/2015		53.30	-	34.66	ND	**30.4**	**1,920**	**11,100**	13,050	**151**	**370**	**10.6**	**4,880**	**1,220**	**67.5**	**8.96**	**783**	ND	ND	20,541	
	6/19/2015		53.10	-	34.86	ND	**129**	**2,720**	**15,000**	17,849	**170**	**272**	**10.1**	**4,280**	**1,150**	**69.3**	**20.1**	**600**	ND	ND	24,421	
	9/28/2015		53.61	-	34.35	ND	**35.2**	**1,840**	**12,100**	13,975	**114**	**329**	**10.4**	**4,880**	**1,180**	**75**	**19.9**	**805**	ND	ND	21,389	
	12/17/2015		54.10	-	33.86	ND < 10.0	**21.5**	**1,870**	**9,440**	11,332	**139**	**359**	ND < 10.0	**4,460**	**1,330**	**60.7**	**11.5**	**912**	ND < 10.0	ND < 10.0	18,604	
	2/17/2016		54.25	-	33.71	ND < 10.0	**378**	**4,080**	**27,100**	31,558	**366**	**762**	**42.8**	**8,860**	**2,470**	**469**	**79.3**	**1,700**	ND < 10.0	ND < 10.0	46,307.1	
	5/31/2016		54.32	0.04	33.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9/16/2016		54.85	-	33.11	ND < 100	ND < 100	**945**	**5,820**	6,765	**184**	**474**	ND < 100	**5,640**	**1,480**	ND < 100	ND < 100	**765**	ND < 100	ND < 100	15,308	
	11/21/2016		55.09	-	32.87	ND < 50.0	ND < 50.0	**995**	**6,870**	7,865	**191**	**501**	ND < 50.0	**6,690**	**1,710**	**144**	ND < 50.0	**907**	ND < 50.0	ND < 50.0	18,008	
	2/3/2017		55.30	-	32.66	ND < 50.0	ND < 50.0	**885**	**5,160**	6,045	176	**464**	ND < 50.0	**6,090**	**1,560**	ND < 50.0	ND < 50.0	**764**	ND < 50.0	ND < 50.0	15,099	
MW-13	12/11/2013	88.31	-	-	-	ND < 1.0	**75.8**	**365**	**75.8**	516.6	**103**	**416**	**18.5**	**3,370**	**1,100**	**148**	**33**	**298**	1.3	ND < 1.0	6,004	
	3/26/2014		-	-	-	ND < 1.0	**61.9**	**255**	**1,240**	1,557	**76.7**	**377**	**15.1**	**2,970**	**941**	ND < 1.0	**14.4**	**85.7**	1.01	ND < 1.0	6,038	
	6/27/2014		-	-	-	ND < 1.0	**79.9**	**298**	**1,500**	1,878	**76.6**	**463**	**19.3**	**3,590**	**1,210**	ND < 1.0	**27.6**	**88.5**	1.38	ND < 1.0	7,354	
	9/25/2014		53.75	-	34.56	ND < 1.0	**34**	**208**	**1,040**	1,282	**63.9**	**325**	**18.7**	**2,090**	**833**	ND < 1.0	**23.8**	**121**	ND < 1.0	ND < 1.0	4,757	
	12/11/2014		-	-	-	ND	**34**	**8.31**	**65.7**	108.01	ND	3.68	ND	**84.6**	**20.5**	3.84	ND	**53.3**	ND	ND	273.93	
	3/24/2015		53.66	-	34.65	ND	ND	**277**	**1,580**	1,857	**69.3**	**358**	**21**	**2,190**	**769**	**171**	**35**	**94.1**	1.29	ND	5,566	
	6/19/2015		53.41	-	34.90	ND	**115**	**570**	**3,100**	3,785	**52**	**190**	**11**	**1,180**	**389**	**87.2**	**20.5**	**125**	ND	ND	5,840	
	9/28/2015		53.95	-	34.36	ND	**36.6**	**351**	**1,190**	1,578	**47.6**	**305**	**19.2**	**1,720**	**678**	**166**	**33.2**	**78.1**	ND	ND	4,625	
	12/17/2015		54.43	-	33.88	ND < 10.0	**12.4**	**185**	**557**	754.4	**33.2**	**245**	**18.2**	**1,530**	**622**	**149**	**28.2**	**187**	ND < 10.0	ND < 10.0	3,567	
	2/17/2016		54.58	-	33.73	ND < 10.0	ND < 10.0	**105**	**2,550**	2,655	**366**	**762**	**42.8**	**8,860**	**2,470**	**469**	**79.3**	**1,700**	ND < 10.0	ND < 10.0	17,404.1	
	5/31/2016		54.62	-	33.69	ND < 1.00	**41.5**	**156**	**4870**	5,067.50	**49.7**	**279**	**63.6**	**4,180**	**1,890**	ND < 1.00	**86.4**	**160**	ND < 1.00	ND < 1.00	11,776.20	
	9/16/2016		55.11	-	33.20	ND < 10.0	**180**	**685**	**7,000**	7,865	**197**	**851**	**256**	**3,650**	**1,510**	**1,660**	**269**	**657**	**10.8**	ND < 10.0	16,925.8	
	11/21/2016		55.30	-	33.01	ND < 10.0	**97.5**	**304**	**7,930**	8,331.5	**77.7**	**504**	**94.4**	**5,980**	**2,910**	**756**	**103**	**210**	ND < 10.0	ND < 10.0	18,966.6	
	2/3/2017		55.62	-	32.69	ND < 5.00	**49.3**	**117**	**4,370**	4,536.3	29.1	**150**	**27.5**	**2,420**	**1,050**	ND < 5.00	**33.1**	**76.1**	ND < 5.00	ND < 5.00	8,322.1	
WN-1 (50)	9/16/2016	NSD	31.98	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-1 (57)			31.85	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-1 (67)			31.90	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-1 (77)			32.16	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-1 (87)			32.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WN-1 (97)			34.63	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-2 (50)	9/16/2016	NSD	32.86	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-2 (57)			33.49	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-2 (67)			33.16	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-2 (77)			33.95	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-2 (87)			33.54	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-2 (97)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WN-3 (55)	9/16/2016	NSD	39.22	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-3 (67)			39.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WN-3 (77)			39.31	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	
WN-3 (87)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WN-3 (97)			39.35	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND < 6	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 5.00	ND < 1.00	ND < 1.00	ND < 19	

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY - STARS LISTED VOCs

PMG Station # 8541
202-06 Hillside Ave
Hollis, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Product Thickness (ft)	Adjusted Elevation (ft)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)	Isopropyl-benzene (ug/L)	n-Propyl-benzene (ug/L)	p-Isopropyl-toluene (ug/L)	1,2,4-TMB (ug/L)	1,3,5-TMB (ug/L)	n-Butyl-benzene (ug/L)	sec-Butyl-benzene (ug/L)	Naphthalene (ug/L)	tert-Butyl-benzene (ug/L)	MTBE (ug/L)	Total STARS (ug/L)	Comments
NYSDEC TOGS 1.1.1 WQS						**1**	**5**	**5**	**5**	**NS**	**NS**	**5**	**5**	**5**	**5**	**5**	**5**	**10**	**5**	**10**	**NS**	

NOTES:
TOGS 1.1.1 WQS = Ambient Water Quality Standards Guidance Values and Groundwater Effluent Limitations, amended April 2000
- = Not analyzed or measured
BOLD = Value exceeds regulatory limits
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
CNL = Could Not Locate
DRY = Insufficient water for sampling
ft = Feet
J = Estimated value
mg/L = Milligrams/Liter
MTBE = Methyl tertiary butyl ether
ND < # = Not detected. Where an analyte is not detected, a reporting limit is given.
NS = No Standard
NSD = No Survey Data
NYSDEC = New York State Department of Environmental Conservation
µg/L = Micrograms per liter
NA = Not Analyzed
NM = Field Data Not Measured
STARS = Spills Technology and Remediation Series #1, amended August 1992
VOCs = Volatile Organic Compounds

HISTORICAL GROUNDWATER MONITORING SUMMARY - CHLORINATED SOLVENTS

PMG Station #8541
202-06 Hillside Ave
Hollis, NY

Well	Date	Tetrachloro-ethene (ug/l)	Trichloro-ethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Vinyl Chloride (ug/l)	1,1-Dichloroethane (ug/l)	Carbon Disulfide (ug/l)	Dichlorodifluro-methane (ug/l)	trans-1,2-Dichloroethene (ug/l)
TOGS 1.1.1 WQS		**5**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
MW-1	1/27/2004	**2,300**	-	-	-	-	-	-	-
	7/26/2004	**1,940**	-	-	-	-	-	-	-
	7/11/2005	**2,120**	**13**	3.3	<1.0	<1.0	-	<2.0	<1.0
	10/7/2005	<1.0	<1.0	<1.0	<1.0	<1.0	-	<2.0	<1.0
	2/15/2007	**1,680**	**10.2**	1.7	<1.0	<1.0	-	<2.0	<1.0
	11/1/2007	**161**	**89.9**	**59.4**	<1.0	<1.0	-	<1.0	<1.0
	2/19/2008	**1,200**	**19.4**	**6.7**	<1.0	<1.0	-	<2.0	<1.0
	5/2/2008	**696**	3	3.2	<5.0	<5.0	-	<10	<5.0
	8/8/2008	**217**	<50	<50	<20	<50	<50	<50	<50
	11/5/2008	**14.1**	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0
	2/4/2009	**176**	3.4	<5.0	<2.0	<5.0	<5.0	3.21	<5.0
	5/7/2009	**321**	**5.92**	<5.0	<2.0	<5.0	**63.8**	**5.7**	<5.0
	8/12/2009	**380**	4.76	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	11/3/2009	**429**	4.91	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2/19/2010	**608**	2.7	2.1	<2.0	<2.0	<2.0	<2.0	<2.0
	5/6/2010	**360**	**7.89**	**5.01**	<1.0	<1.0	<1.0	<1.0	<1.0
	8/19/2010	**1,130**	**9.13**	**6.52**	<1.0	<1.0	<1.0	1.8	<1.0
	11/1/2010	**1,130**	3.77	2.24	<1.0	<1.0	<1.0	1.81	<1.0
	2/14/2011	**429**	2.53	1.06	<1.0	<1.0	<1.0	1.96	<1.0
	5/27/2011	**237**	1.41	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2011	**237**	1.41	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/12/2011	**297**	1.83	<1.0	<1.0	<1.0	<1.0	1.25	<1.0
	11/8/2011	**309**	2.67	2.35	<1.0	<1.0	<1.0	<1.0	<1.0
	2/6/2012	**381**	2.55	2.63	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2012	**235**	1.21	<1.0	<1.0	<1.0	<1.0	1.14	<1.0
	8/6/2012	**244**	3.5	3.87	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2012	**483**	2.39	2.76	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	**331**	**5.03**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2015	**163**	**19.2**	1.45	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2015	**266**	4.06	3.06	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2015	**183**	1.23	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/2016	**172**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	09/16/2016	**160**	1.34	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	11/21/2016	**234**	3.05	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	02/03/2017	**484**	**6.62**	**5.68**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
MW-2	1/27/2004	**210**	-	-	-	-	-	-	-
	7/26/2004	**284**	-	-	-	-	-	-	-
	7/11/2005	**202**	1.4	<1.0	<1.0	<1.0	-	3.3	<1.0
	10/7/2005	<1.0	<1.0	<1.0	<1.0	<1.0	-	<2.0	<1.0
	2/15/2007	**298**	1.3	<1.0	<1.0	<1.0	-	3.2	<1.0
	11/1/2007	**100**	1.6	<1.0	<1.0	<1.0	-	1.5	<1.0
	2/19/2008	**108**	0.86	<1.0	<1.0	<1.0	-	1.1	<1.0
	5/2/2008	**101**	0.69	<1.0	<1.0	<1.0	-	<2.0	<1.0
	8/8/2008	**6**	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0
	11/5/2008	**110**	2.44	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0
	2/4/2009	**197**	3.06	<5.0	<2.0	<5.0	<5.0	3.28	<5.0
	5/7/2009	**341**	6.15	<5.0	<2.0	<5.0	**94.6**	**5.69**	<5.0
	8/12/2009	**385**	4.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	11/3/2009	**416**	4.85	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2/19/2010	**757**	4.9	1.8	<1.0	<2.0	<2.0	<2.0	<2.0
	5/6/2010	**766**	**5.56**	2.67	<1.0	<1.0	<1.0	2.64	<1.0
	8/19/2010	**551**	2.81	1.03	<1.0	<1.0	<1.0	3.69	<1.0
	11/1/2010	**425**	2.3	<1.0	<1.0	<1.0	<1.0	2.72	<1.0
	2/14/2011	**519**	2.5	<1.0	<1.0	<1.0	<1.0	3.67	<1.0
	5/27/2011	**486**	2.18	<1.0	<1.0	<1.0	<1.0	3.17	<1.0
	8/12/2011	**517**	2.77	<1.0	<1.0	<1.0	<1.0	3.32	<1.0
	11/8/2011	**433**	2.68	<1.0	<1.0	<1.0	<1.0	2.01	<1.0
	2/6/2012	**734**	**5.02**	2.14	<1.0	<1.0	<1.0	1.56	<1.0

HISTORICAL GROUNDWATER MONITORING SUMMARY - CHLORINATED SOLVENTS

PMG Station #8541
202-06 Hillside Ave
Hollis, NY

Well	Date	Tetrachloro-ethene (ug/l)	Trichloro-ethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Vinyl Chloride (ug/l)	1,1-Dichloroethane (ug/l)	Carbon Disulfide (ug/l)	Dichlorodifluro-methane (ug/l)	trans-1,2-Dichloroethene (ug/l)
TOGS 1.1.1 WQS		**5**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
MW-2	5/14/2012	**572**	3.12	<1.0	<1.0	<1.0	<1.0	2.79	<1.0
(cont)	8/6/2012	**97.3**	1.06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2012	**83.1**	1.02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	**80.5**	**8.29**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2015	**116**	1.26	<1.0	<1.0	<1.0	<1.0	<1.0	**116**
	9/29/2015	**160**	1.85	1.05	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2015	**408**	3.39	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/2016	**195**	1.66	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/16/2016	**183**	1.78	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	11/21/2016	**56.3**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	02/03/2017	**50.7**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
MW-3	1/27/2004	**350**	-	-	-	-	-	-	-
	7/26/2004	**14.3**	-	-	-	-	-	-	-
	7/11/2005	4.1	4.7	**290**	**9.5**	<1.0	-	<2.0	<1.0
	10/7/2005	<5.0	<5.0	<5.0	<5.0	<5.0	-	<10	<5.0
	2/15/2007	<5.0	**9.9**	**178**	**911.1**	<5.0	-	<10	<5.0
	11/1/2007	2.6	**5.3**	**214**	**169**	<2.0	-	<4.0	<2.0
	2/19/2008	**5.5**	**7.5**	**233**	**384**	<5.0	-	<10	**5.7**
	5/2/2008	<5.0	<5.0	**22.8**	**175**	<5.0	-	<10	<5.0
	8/8/2008	<250	<250	<250	<100	<250	<250	<250	<250
	11/5/2008	<5.0	<5.0	**95**	**53.7**	<5.0	<5.0	<5.0	<5.0
	2/4/2009	2.53	<5.0	**90.1**	**143**	<5.0	<5.0	<5.0	<5.0
	5/7/2009	<5.0	<5.0	**141**	<2.0	<5.0	<5.0	<5.0	<5.0
	8/12/2009	**6.07**	**26.4**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	11/3/2009	<2.0	**15.8**	**142**	<2.0	<2.0	<2.0	<2.0	<2.0
	2/19/2010	**110**	**28**	**260**	<2.0	<2.0	<2.0	<2.0	<2.0
	5/6/2010	**485**	**128**	**185**	**6.57**	<1.0	<1.0	<1.0	<1.0
	8/19/2010	**479**	**79.5**	**261**	**6.39**	<1.0	<1.0	<1.0	1.11
	11/1/2010	**746**	**111**	**269**	**5.54**	<1.0	<1.0	<1.0	<1.0
	2/14/2011	**485**	**95**	**244**	3.92	<1.0	2.42	<1.0	<1.0
	5/27/2011	**70.3**	**52**	**470**	**6.19**	<1.0	**9.37**	<1.0	<1.0
	8/12/2011	**612**	**81.6**	**470**	<1.0	<1.0	<1.0	<1.0	<1.0
	11/8/2011	**676**	**72.6**	**260**	<1.0	<1.0	<1.0	<1.0	<1.0
	2/6/2012	**852**	**86.4**	**222**	1.2	1.2	<1.0	<1.0	<1.0
	5/14/2012	**999**	**86.8**	**166**	<1.0	<1.0	<1.0	<1.0	<1.0
	8/6/2012	**991**	**137**	**192**	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2012	**1,070**	**115**	**268**	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	**1,200**	**337**	**17.5**	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2015	**609**	**338**	**16.9**	1.28	<1.0	<1.0	<1.0	<1.0
	9/29/2015	**542**	**97.6**	**86.8**	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2015	-	-	-	-	-	-	-	-
	2/17/2016	**503**	**62.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/16/2016	ND < 20.0	ND < 20.0	**406**	ND < 20.0	ND < 20.0	ND < 20.0	ND < 20.0	ND < 20.0
	11/21/2016	**132**	**32.2**	**289**	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
	02/03/2017	**171**	**31.4**	**213**	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
MW-4	1/27/2004	**440**	-	-	-	-	-	-	-
	7/26/2004	**50.9**	-	-	-	-	-	-	-
	7/11/2005	7.5	<1.0	<1.0	<1.0	<1.0	-	<2.0	<1.0
	10/7/2005	<1.0	<1.0	<1.0	<1.0	<1.0	-	<2.0	<1.0
	2/15/2007	**99.6**	0.97	<1.0	<1.0	<1.0	-	3.3	<1.0
	11/1/2007	**72.5**	1.8	<1.0	<1.0	<1.0	-	2.7	<1.0
	2/19/2008	**94.3**	1.7	<1.0	<1.0	<1.0	-	1.8	<1.0
	5/2/2008	**124**	1.6	<1.0	<1.0	<1.0	-	<2.0	<1.0
	8/8/2008	**131**	<50	<50	<20	<50	<50.0	<50	<50
	11/5/2008	**126**	2.41	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0
	2/4/2009	**199**	3.12	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0
	5/7/2009	**258**	**5.39**	2.52	<2.0	<5.0	**83.9**	<5.0	<5.0
	8/12/2009	**461**	4.81	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

HISTORICAL GROUNDWATER MONITORING SUMMARY - CHLORINATED SOLVENTS

PMG Station #8541
202-06 Hillside Ave
Hollis, NY

Well	Date	Tetrachloro-ethene (ug/l)	Trichloro-ethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Vinyl Chloride (ug/l)	1,1-Dichloroethane (ug/l)	Carbon Disulfide (ug/l)	Dichlorodifluro-methane (ug/l)	trans-1,2-Dichloroethene (ug/l)
TOGS 1.1.1 WQS		**5**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
MW-4	11/3/2009	**417**	4.87	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
(cont)	2/19/2010	**1,090**	**8.2**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	5/6/2010	**1,520**	**12.8**	4.57	<1.0	<1.0	<1.0	1.96	<1.0
	8/19/2010	**1,130**	**6.05**	2.25	<1.0	<1.0	<1.0	1.96	<1.0
	11/1/2010	**712**	4.72	1.43	<1.0	<1.0	<1.0	2.23	<1.0
	2/14/2011	**1,220**	**9.49**	4.61	<1.0	<1.0	<1.0	2.18	<1.0
	5/27/2011	**998**	**7.4**	3.32	<1.0	<1.0	<1.0	<1.0	<1.0
	8/12/2011	**1,110**	**9.91**	3.94	<1.0	<1.0	<1.0	1.57	<1.0
	11/8/2011	**699**	**7.12**	2.82	<1.0	<1.0	<1.0	1.46	<1.0
	5/14/2012	**627**	3.67	1.63	<1.0	<1.0	<1.0	1.13	<1.0
	8/6/2012	**1,130**	**10.9**	5.4	<1.0	<1.0	<1.0	1.43	<1.0
	11/13/2012	**1,240**	**9.74**	3.43	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	**186**	1.98	<1.0	<1.0	<1.0	<1.0	2.71	<1.0
	6/16/2015	**158**	1.56	<1.0	<1.0	<1.0	<1.0	2.35	<1.0
	9/29/2015	**477**	**6.95**	4.04	<1.0	<1.0	<1.0	1.15	<1.0
	12/18/2015	**515**	4.52	1.33	<1.0	<1.0	<1.0	1.07	<1.0
	2/17/2016	**141**	1.99	<1.0	<1.0	<1.0	<1.0	1.15	<1.0
	09/16/2016	**129**	1.5	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	11/21/2016	**138**	1.71	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	02/03/2017	**200**	2.09	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
MW-5	1/27/2004	**260**	-	-	-	-	-	-	-
	7/26/2004	**123**	-	-	-	-	-	-	-
	7/11/2005	**652**	**29.7**	**7**	<1.0	<1.0	-	<2.0	<1.0
	10/7/2005	**909**	**50.5**	**23.8**	<1.0	<1.0	-	<2.0	1.8
	2/15/2007	**540**	**23.3**	**30.3**	<1.0	<1.0	-	<1.0	<1.0
	2/19/2008	**961**	**46.2**	**79**	<1.0	<1.0	-	<2.0	1
	5/2/2008	**1,540**	**37.9**	**69.8**	<5.0	<5.0	-	<10	<5.0
	8/8/2008	**2,090**	<500	<500	<5.0	<500	<500	<500	<500
	11/5/2008	**997**	**17.8**	<5.0	<200	<5.0	<5.0	<5.0	<5.0
	2/4/2009	**136**	2.83	<5.0	<2.0	<5.0	**102**	<5.0	<5.0
	5/7/2009	**368**	**5.81**	<5.0	<2.0	<5.0	<2.0	3.56	<5.0
	11/3/2009	**404**	4.72	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2/19/2010	**1,240**	**17**	4.2	<2.0	<2.0	<2.0	<2.0	<2.0
	5/6/2010	**778**	**12.2**	4.45	<1.0	<1.0	<1.0	<1.0	<1.0
	8/19/2010	**1,000**	**18.4**	**12.1**	<1.0	<1.0	<1.0	<1.0	<1.0
	11/1/2010	**1,900**	**26.6**	**18.5**	<1.0	<1.0	<1.0	<1.0	<1.0
	2/14/2011	**448**	2.81	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2011	**610**	3.28	1.3	<1.0	<1.0	<1.0	<1.0	<1.0
	8/12/2011	**301**	2.65	1.93	<1.0	<1.0	<1.0	<1.0	<1.0
	11/8/2011	**856**	**12.8**	**8.48**	<1.0	<1.0	<1.0	<1.0	<1.0
	2/6/2012	**589**	4.9	2.2	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2012	**1,150**	**8.93**	**5.86**	<1.0	<1.0	<1.0	<1.0	<1.0
	8/6/2012	**879**	**8.99**	**6.21**	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2012	**1,270**	**18.2**	**16.1**	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	**529**	3.89	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2015	**231**	1.84	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2015	**167**	**6.36**	3.68	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2015	**239**	1.67	3.71	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/2016	**399**	2.55	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/16/2016	**1,060**	**10.9**	ND < 1.00	**6.08**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	11/21/2016	**682**	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
	02/03/2017	**409**	2.94	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
MW-6	09/16/2016	1.80	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
MW-7	3/24/2015	**727**	**13.3**	**11.5**	<1.0	<1.0	<1.0	<1.0	**2.17**
	6/15/2015	**672**	**20.6**	**22.1**	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2015	**437**	3.88	3.69	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2015	**684**	**7.62**	**6.03**	<1.0	<1.0	<1.0	<1.0	<1.0

HISTORICAL GROUNDWATER MONITORING SUMMARY - CHLORINATED SOLVENTS

PMG Station #8541
202-06 Hillside Ave
Hollis, NY

Well	Date	Tetrachloro-ethene (ug/l)	Trichloro-ethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Vinyl Chloride (ug/l)	1,1-Dichloroethane (ug/l)	Carbon Disulfide (ug/l)	Dichlorodifluro-methane (ug/l)	trans-1,2-Dichloroethene (ug/l)
TOGS 1.1.1 WQS		**5**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
MW-7 (cont)	2/17/2016	**706**	**8.81**	**7.65**	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2016	**539**	ND < 10.0	ND < 10.0	ND < 10.0	ND < 10.0	ND < 10.0	ND < 10.0	ND < 10.0
	11/21/2016	**659**	**13.0**	**13.3**	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
	02/03/2017	**523**	**10.6**	**8.91**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	1.32
MW-8	3/23/2015	**419**	**220**	**319**	<1.0	<1.0	<1.0	<1.0	**2.97**
	6/15/2015	**248**	**109**	**179**	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2015	**233**	**68.6**	**188**	<10.0	<10.0	<10.0	<10.0	<10.0
	12/19/2015	-	-	-	-	-	-	-	-
	2/17/2016	**34**	**36.7**	**283**	<10.0	<10.0	<10.0	<10.0	<10.0
	09/16/2016	**106**	**83.2**	**315**	**1.01**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	11/21/2016	**154**	**69.7**	**277**	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
	02/03/2017	**107**	**63.6**	**513**	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
MW-9	6/15/2015	-	-	-	-	-	-	-	-
	9/28/2015	-	-	-	-	-	-	-	-
	09/16/2016	**447**	**8.27**	**8.67**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	11/21/2016	**1,010**	**12.9**	**14.0**	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
	02/03/2017	**883**	**6.80**	**6.5**	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
MW-10	6/15/2015	-	-	-	-	-	-	-	-
	9/28/2015	-	-	-	-	-	-	-	-
	09/16/2016	**376**	**6.23**	ND < 1.00	**6.99**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	11/21/2016	**964**	**14.2**	**16.9**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
	02/03/2017	**544**	4.54	3.01	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
MW-11	3/23/2015	**260**	**287**	**17.8**	<1.0	<1.0	<1.0	<1.0	**3.13**
	6/19/2015	**166**	**187**	**31.7**	**5.77**	<1.0	<1.0	<1.0	1.33
	9/29/2015	**252**	**244**	**535**	1.4	1.31	<1.0	<1.0	<1.0
	12/19/2015	**36.6**	**11.4**	**607**	**7.55**	<1.0	<1.0	<1.0	<1.0
	2/17/2016	**47.9**	**22.4**	**738**	**9.35**	<1.0	<1.0	<1.0	<1.0
	09/16/2016	-	-	-	-	-	-	-	-
	11/21/2016	**7.34**	4.31	**486**	**63.1**	ND < 1.00	ND < 1.00	ND < 1.00	**3.87**
	02/03/2017	**30.1**	**15.7**	**134**	**70.1**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
MW-12	3/23/2015	**453**	**404**	**101**	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2015	**164**	**186**	**269**	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2015	**109**	**76**	**1010**	<10.0	<10.0	<10.0	<10.0	<10.0
	12/19/2015	-	-	-	-	-	-	-	-
	2/17/2016	**29**	**19.1**	**841**	<10.0	<10.0	<10.0	<10.0	<10.0
	09/16/2016	**208**	**159**	**847**	ND < 100	ND < 100	ND < 100	ND < 100	ND < 100
	11/21/2016	**161**	**191**	**1,000**	ND < 50.0	ND < 50.0	ND < 50.0	ND < 50.0	ND < 50.0
	02/03/2017	**110**	**115**	**738**	ND < 50.0	ND < 50.0	ND < 50.0	ND < 50.0	ND < 50.0
MW-13	3/23/2015	**179**	**240**	**270**	<1.0	<1.0	<1.0	<1.0	1.6
	6/15/2015	**15.70**	**39.2**	**262**	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2015	<60.0	**29.2**	**223**	<10.0	<10.0	<10.0	<10.0	<10.0
	12/19/2015	-	-	-	-	-	-	-	-
	2/17/2016	**105**	**56.3**	**206**	<10.0	<10.0	<10.0	<10.0	<10.0
	09/16/2016	**181**	**44.8**	**170**	ND < 10.0	ND < 10.0	ND < 10.0	ND < 10.0	ND < 10.0
	11/21/2016	**143**	**69.2**	**253**	ND < 10.0	ND < 10.0	ND < 10.0	ND < 10.0	ND < 10.0
	02/03/2017	**66.2**	**39.9**	**310**	ND <5.00	ND < 5.00	ND < 5.00	ND < 5.00	ND < 5.00
WN-1 (50)	09/16/2016	**5.38**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-1 (57)		**5.83**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-1 (67)		1.58	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-1 (77)		3.62	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-1 (87)		**6.84**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-1 (97)		1.99	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-2 (50)	09/16/2016	1.75	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-2 (57)		**5.36**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-2 (67)		4.40	1.42	**7.06**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-2 (77)		ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-2 (87)		3.25	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00

Table 2

HISTORICAL GROUNDWATER MONITORING SUMMARY - CHLORINATED SOLVENTS

PMG Station #8541
202-06 Hillside Ave
Hollis, NY

Well	Date	Tetrachloro-ethene (ug/l)	Trichloro-ethene (ug/l)	cis-1,2-Dichloroethene (ug/l)	Vinyl Chloride (ug/l)	1,1-Dichloroethane (ug/l)	Carbon Disulfide (ug/l)	Dichlorodifluro-methane (ug/l)	trans-1,2-Dichloroethene (ug/l)
TOGS 1.1.1 WQS		**5**	**5**	**5**	**5**	**5**	**5**	**5**	**2**
WN-2 (97)		-	-	-	-	-	-	-	-
WN-3 (55)	09/16/2016	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-3 (67)		-	-	-	-	-	-	-	-
WN-3 (77)		**93.0**	2.73	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00
WN-3 (87)		-	-	-	-	-	-	-	-
WN-3 (97)		**21.0**	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00	ND < 1.00

NOTES:

- NYSDEC TOGS 1.1.1 WQS = Ambient Ground Water Quality Standards Guidance Values and Groundwater Effluent Limitations, amended April 2000
- = indicates not analyzed/reported or measured
BOLD = Value exceeds regulatory limits µg/L = Micrograms per liter
µg/L = Micrograms per liter
<# = Not detected. Where an analyte is not detected, a reporting limit is given.
NYSDEC = New York State Department of Environmental Conservation
ft = Feet

Table 3

OBSERVATION WELL GROUNDWATER CHEMISTRY MONITORING SUMMARY

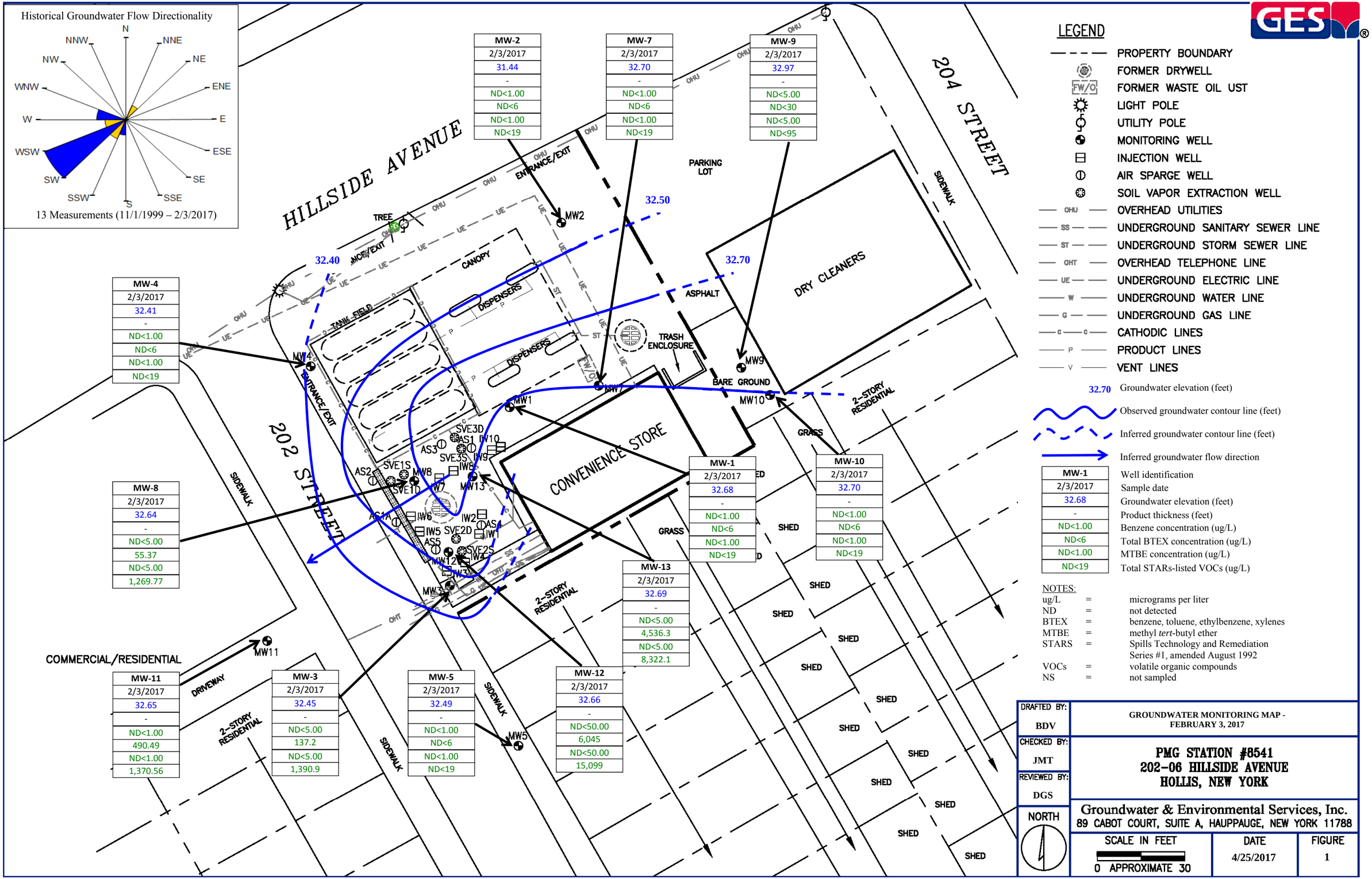
PMG Station #8541
202-06 Hillside Ave
Hollis, NY

Well ID	Parameter		Baseline	AS Step 1 @ AS-5	AS Step 2 @ AS-5	AS/SVE @ SVE-2D and AS-5	% change in DO during AS Step 1	% change in DO during AS Step 2
MW-1	DTP	(feet)	ND	ND	ND	ND	-5.6%	-8.9%
	DTW	(feet)	56.23	56.93	56.95	56.91		
	PID	(ppmv)	0.0	9.0	30.6	62.0		
	LEL	(%)	0	0	0	0		
	O2	(%)	20.9	20.9	21.5	20.9		
	DO	(mg/L)	0.90	0.78	0.85	0.82		
MW-3	DTP	(feet)	ND	ND	ND	ND	-20.7%	8.3%
	DTW	(feet)	58.91	58.97	58.97	58.94		
	PID	(ppmv)	0.0	0.0	28.8	8.5		
	LEL	(%)	0	0	0	0		
	O2	(%)	20.9	20.9	20.9	20.9		
	DO	(mg/L)	1.21	1.50	0.96	1.31		
MW-12	DTP	(feet)	ND	ND	ND	ND	107.6%	79.7%
	DTW	(feet)	55.19	55.45	55.46	55.46		
	PID	(ppmv)	0.0	0.0	1,575	244.0		
	LEL	(%)	0	0	14	0		
	O2	(%)	20.9	20.9	14.3	20.9		
	DO	(mg/L)	0.79	1.03	1.64	1.42		
MW-13	DTP	(feet)	ND	ND	ND	ND	84.2%	61.9%
	DTW	(feet)	55.62	55.79	55.72	55.69		
	PID	(ppmv)	0.0	0.0	1,512	1.6		
	LEL	(%)	0	0	13	0		
	O2	(%)	20.9	20.9	16.4	20.9		
	DO	(mg/L)	2.15	1.44	3.96	3.48		

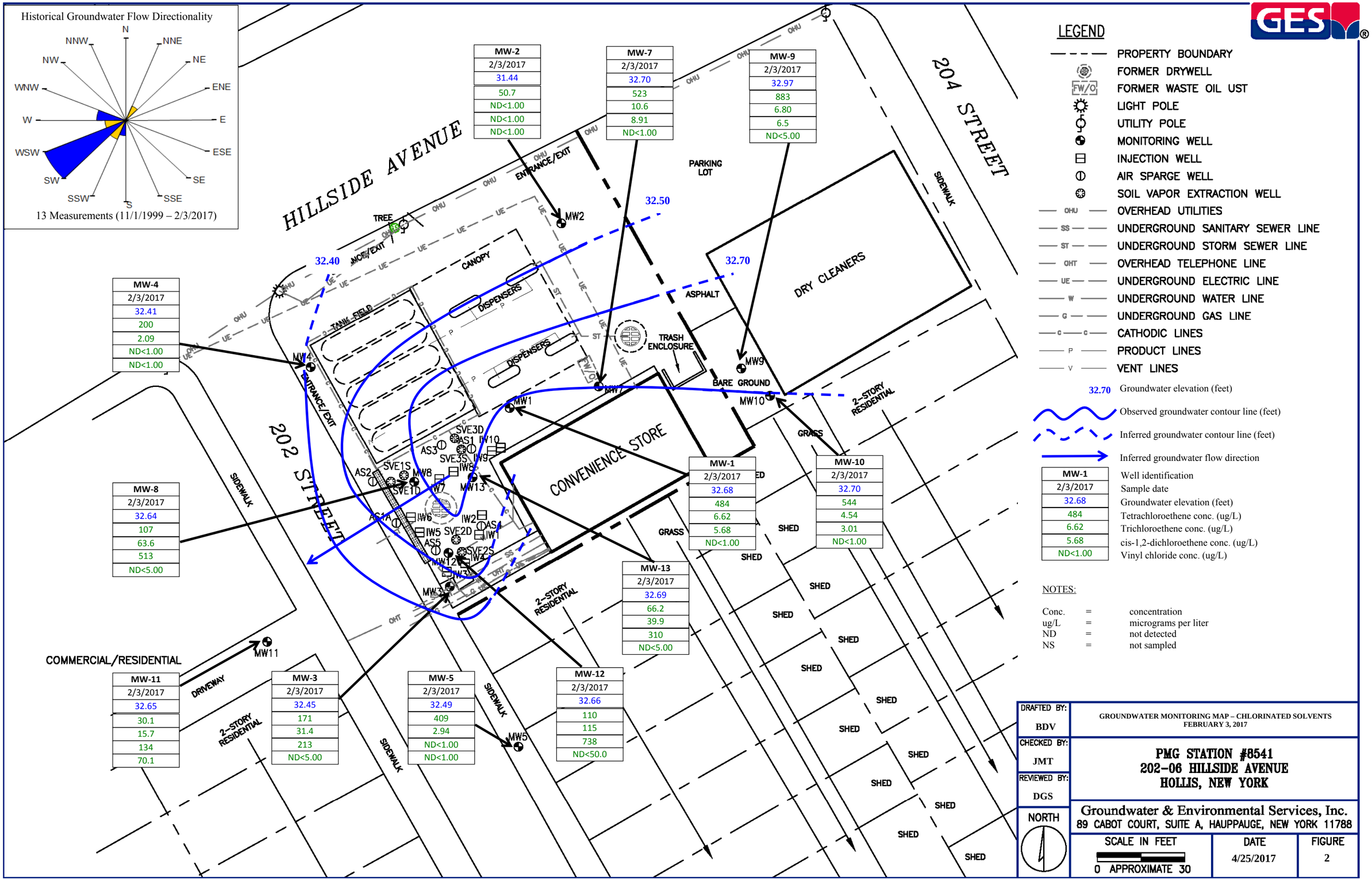
Notes:

AS -air sparge
SVE - soil vapor extraction
ppmv - parts per million by volume
% - percent
mg/L - milligrams per liter
ND - non detect
DTW - depth to water
DTP - depth to product
PID - photoionization detector
LEL - lower explosive limit
DO - dissolved oxygen
@ - at

FIGURES



M:\Graphics\0500-Long Island\Blue Hills Fuels LLC (PMG)\8541 Hollis\8541 Hollis SM.dwg, B-30, WShea



M:\Graphics\0500-Long Island\Blue Hills Fuels LLC (PMG)\8541 Hollis\8541 Hollis SM.dwg, B-30, WShea

ATTACHMENT A

LIST OF ACRONYMS

AS :	Air Sparge
BTEX :	Benzene, Toluene, Ethylbenzene and Total Xylenes
Cat-Ox :	Catalytic Oxidizer
COC :	Chemical of Concern
CP-51 SCG :	Soil quality standards as defined by the NYSDEC *Commissioner Policy 51/ Soil Cleanup Guidance,* amended October 21, 2010 (updated soil cleanup levels to TAGM 4046)
DO :	Dissolved Oxygen
DTW :	Depth to Water
EPA :	Environmental Protection Agency
ESA :	Environmental Site Assessment
eV :	Electron Volt
F&T :	Fate and Transport
ft bgs :	Feet Below Ground Surface
GES :	Groundwater & Environmental Services, Inc.
GPR :	Ground Penetrating Radar
HIT :	High Intensity Targeted
HVE :	High Vacuum Extraction
IP :	Injection Point
IRM :	Interim Remedial Measure
ISCO :	In-situ Chemical Oxidation
lbs/hr	Pounds Per Hour
LNAPL :	Light Non-Aqueous Phase Liquids
LPH :	Liquid Phase Hydrocarbons
mg/L :	Milligrams per liter
MNA :	Monitored Natural Attenuation
MPE :	Multi-Phase Extraction
MTBE :	Methyl Tertiary Butyl Ether
mV :	Millivolts
MW :	Monitoring Well
ND :	Not Detected
NYCDEP :	New York City Department of Environmental Protection
NYSDEC :	New York State Department of Environmental Conservation
O&M :	Operations and Maintenance
ORP :	Oxidation-Reduction Potential
PID :	Photo-Ionization Detector
ppm_v :	Parts Per Million by Volume
P&T :	Pump and Treat
RAP	Remedial Action Plan
RSCOs :	Recommended Soil Cleanup Objectives as defined by TAGM 4046
SRS :	Sensitive Receptor Survey
STARS :	*Spills Technology and Remediation Series #1*, amended August 1992
STIP :	Stipulation Agreement.
SVE :	Soil Vapor Extraction
SVOCs :	Semi Volatile Organic Compounds
TAGM :	*Technical and Administrative Guidance Memorandum (#4046): Determination of Soil Cleanup Objectives,* amended January 24, 1994
TOC :	Top of Casing

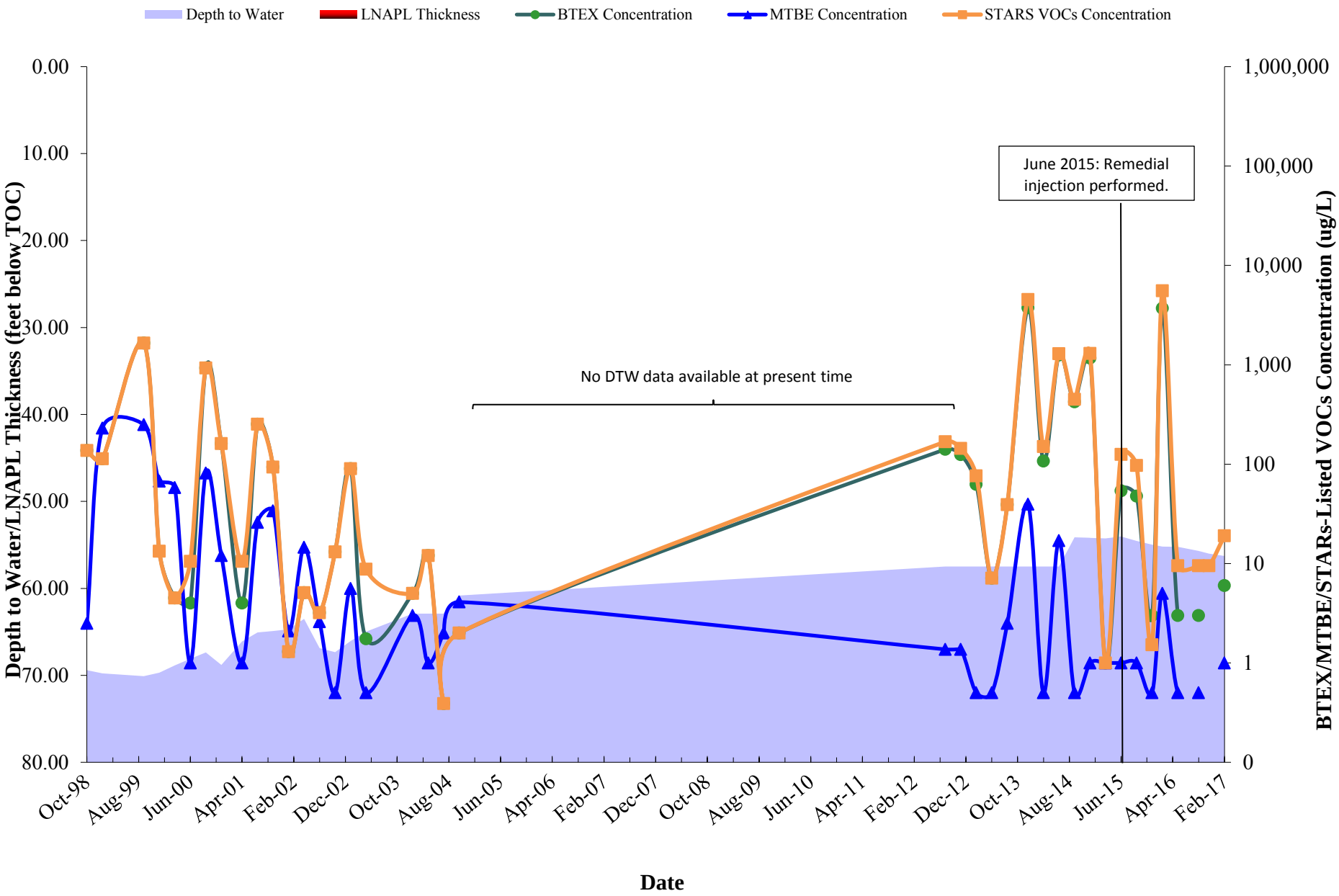
µg/kg :	Micrograms per kilogram
µg/L :	Micrograms per liter
UST :	Underground Storage Tank
VGAC :	Vapor-Phase Granulated Activated Carbon
VEGE :	Vacuum Enhanced Groundwater Extraction
VOCs :	Volatile Organic Compounds
WQS :	Groundwater quality standards as defined by the June 1998 *Technical and Operation Guidance Series* 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* and the April 2000 *Addendum*.

ATTACHMENT B

DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-1

PMG Station #8541

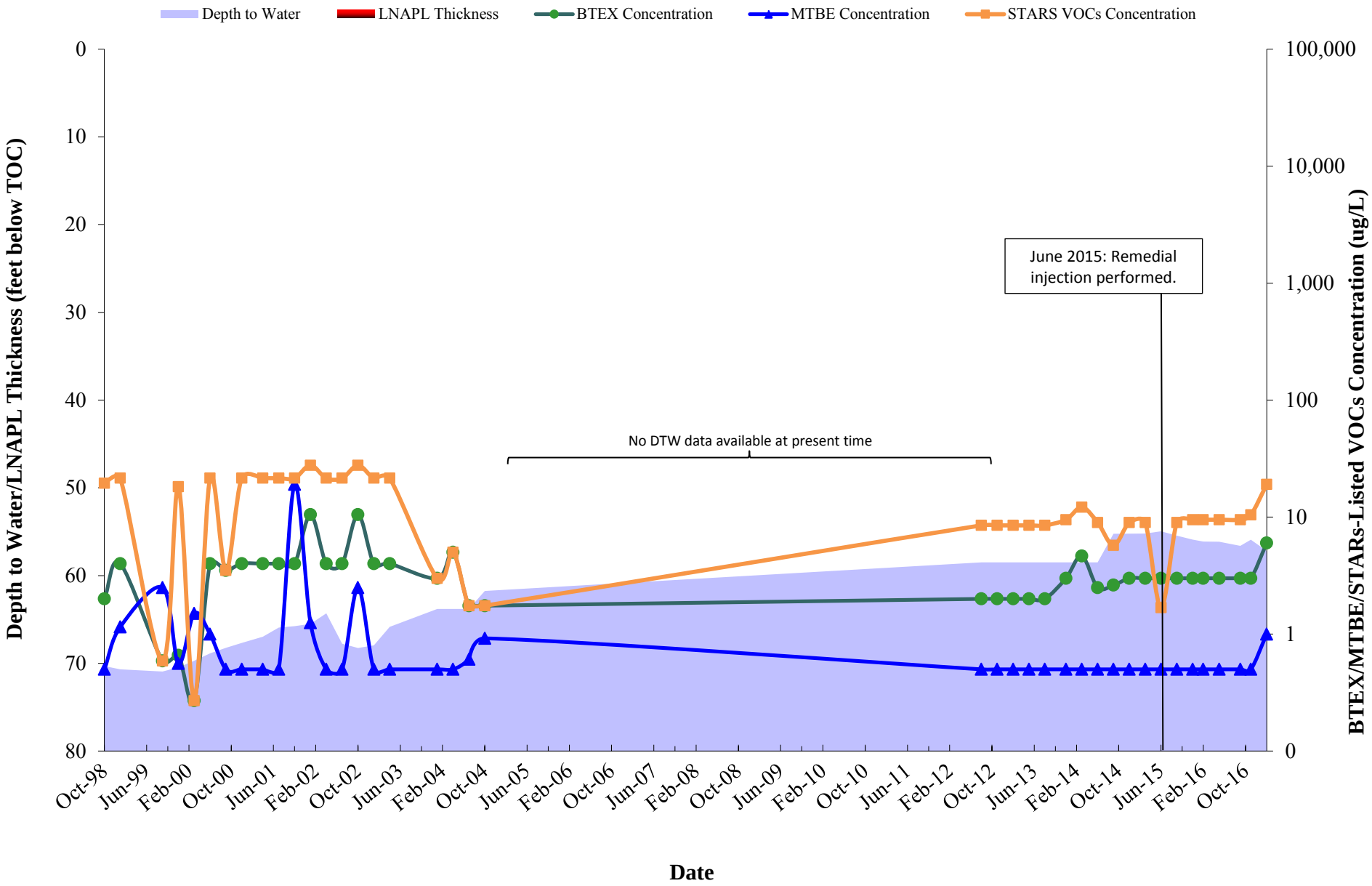
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-2

PMG Station #8541

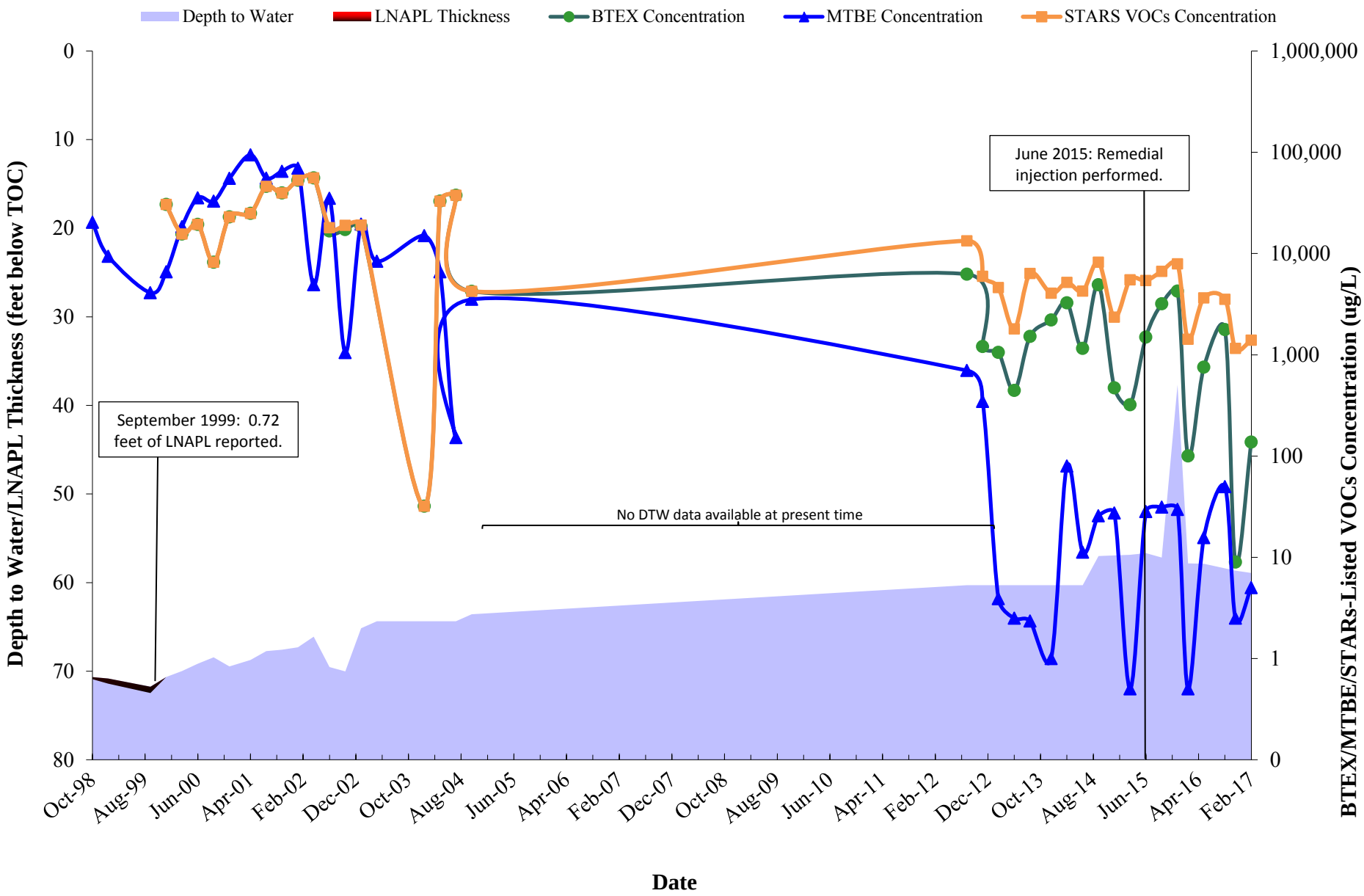
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-3

PMG Station #8541

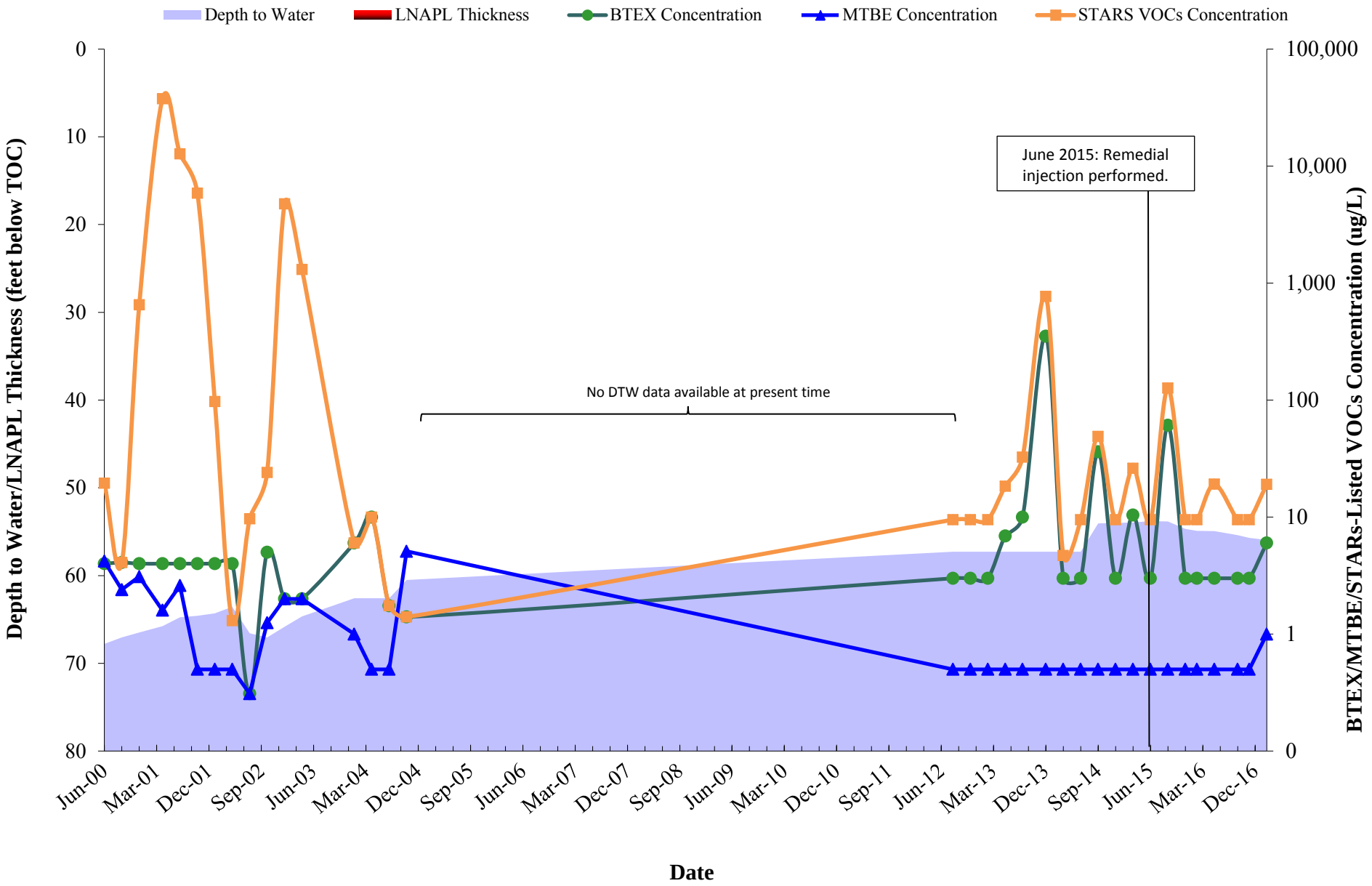
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-4

PMG Station #8541

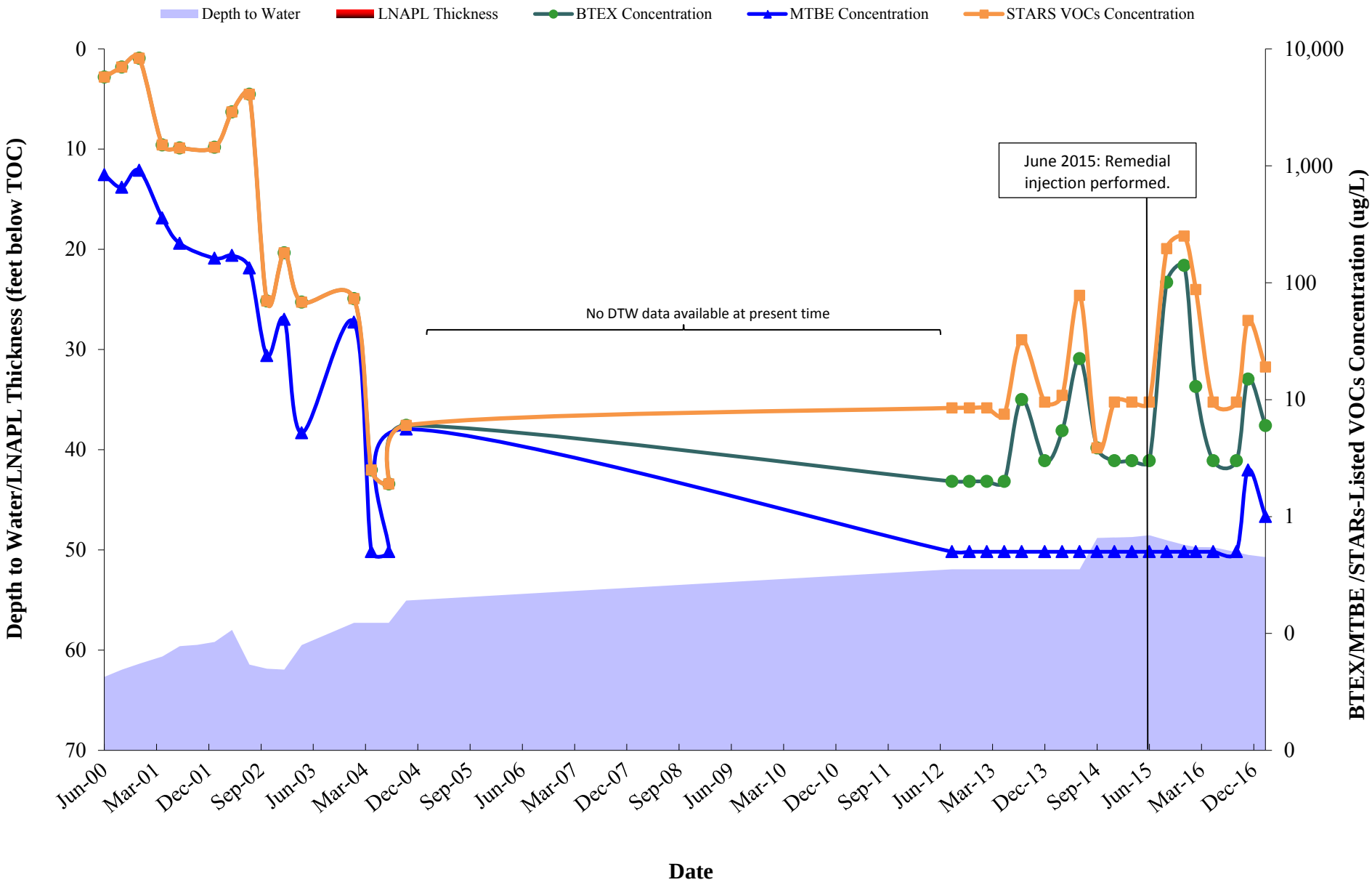
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARS VOCs CONCENTRATION with TIME in MW-5

PMG Station #8541

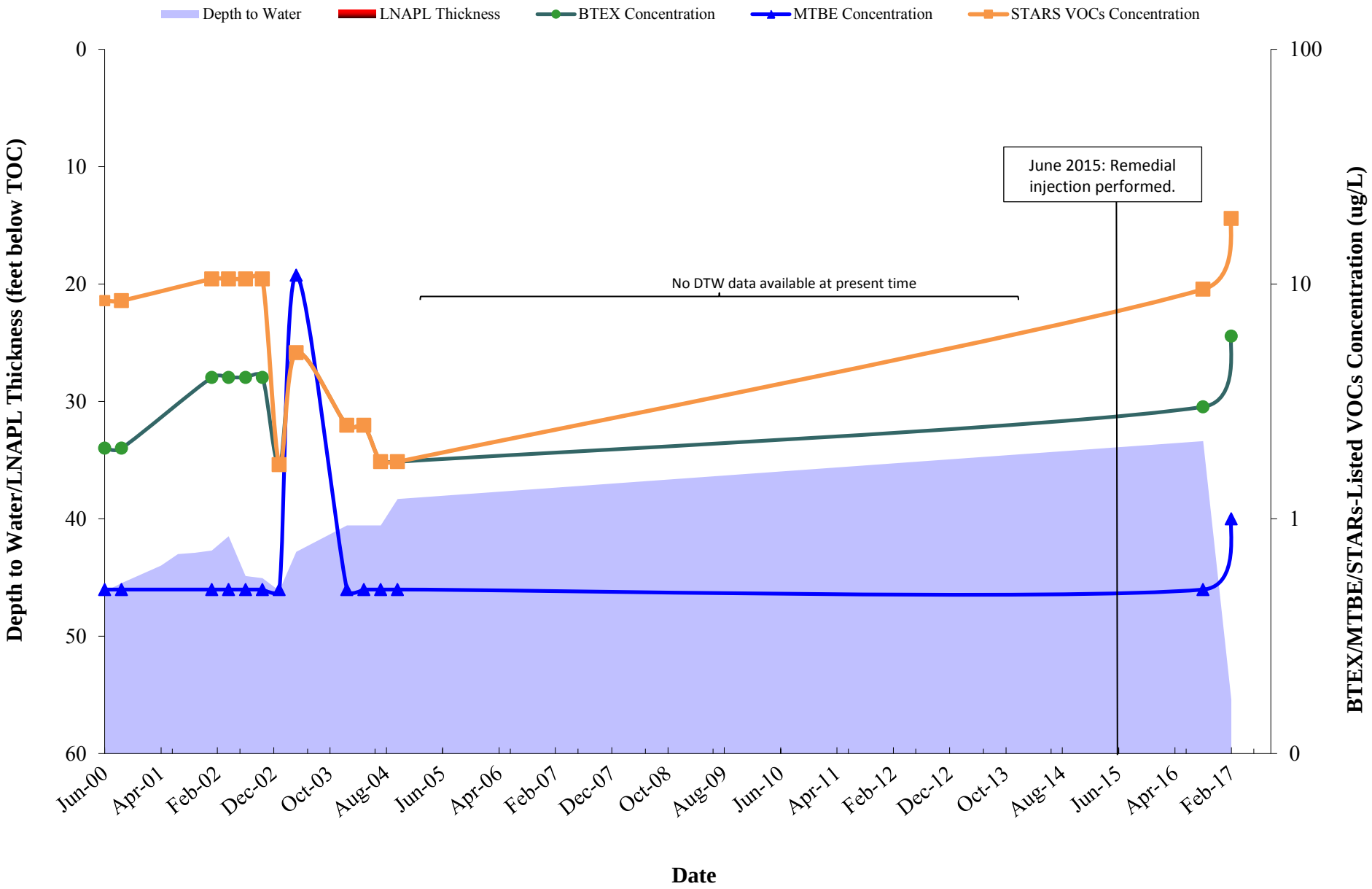
202-206 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-6

PMG Station #8541

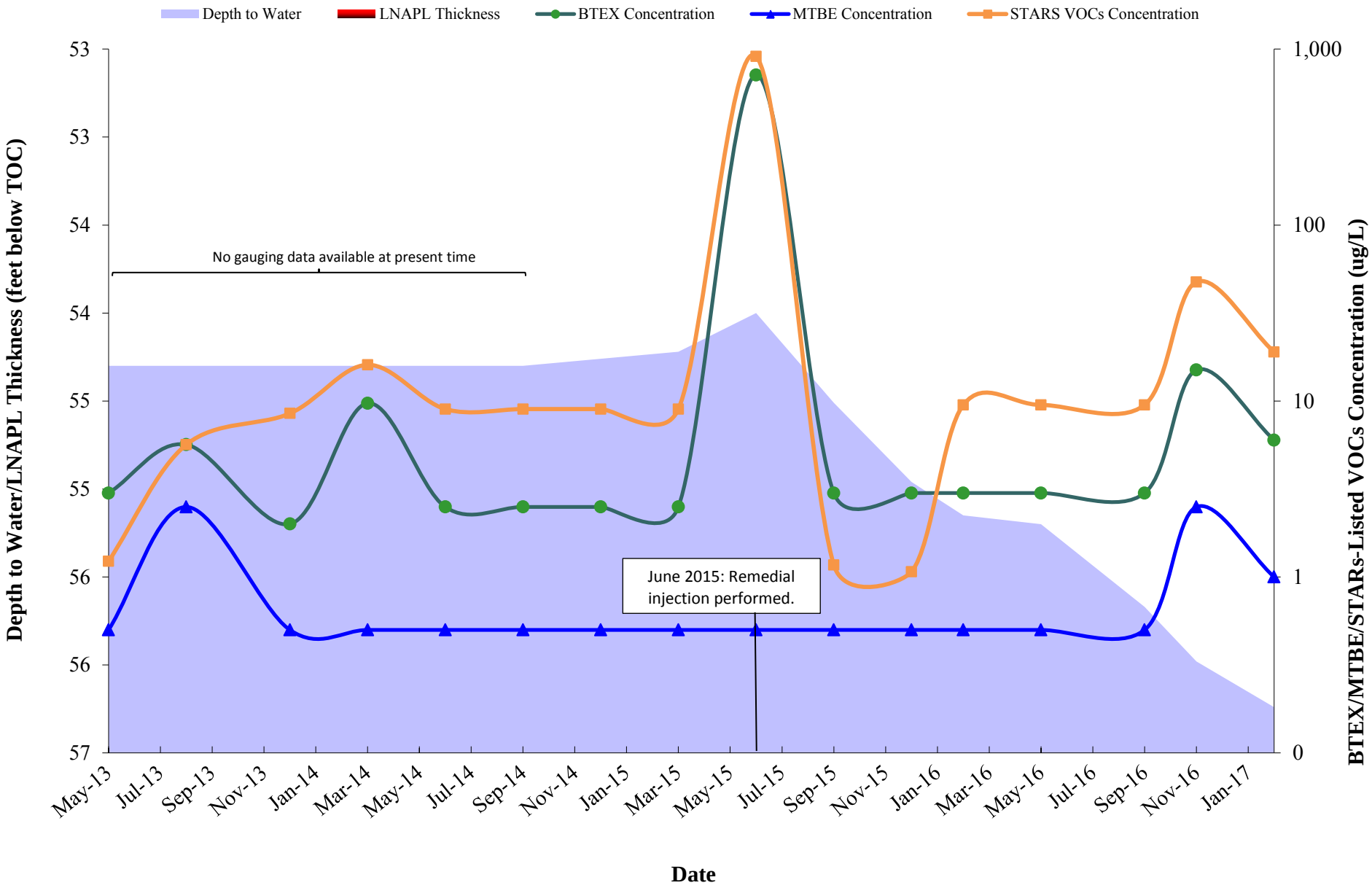
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-7

PMG Station #8541

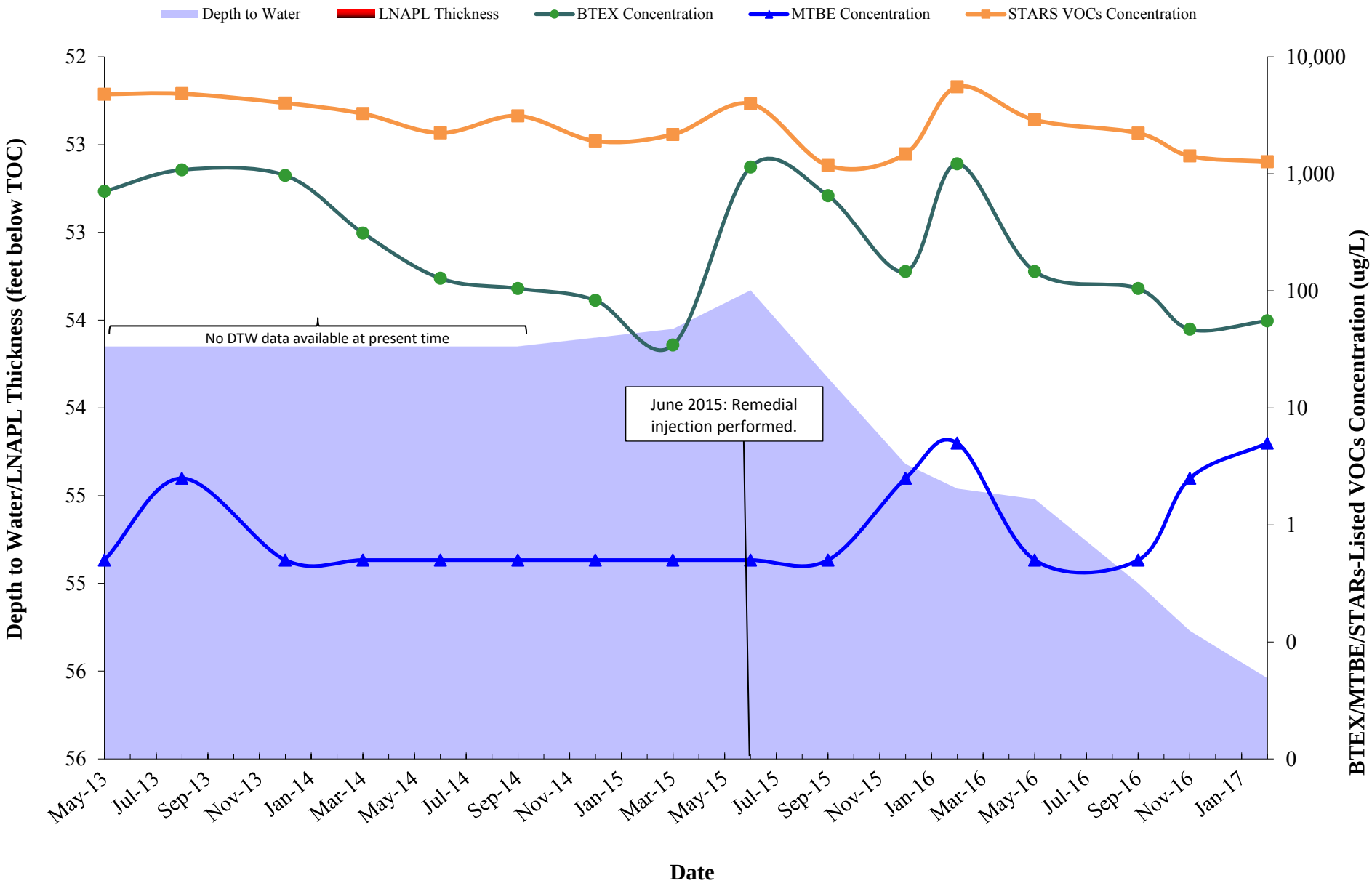
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-8

PMG Station #8541

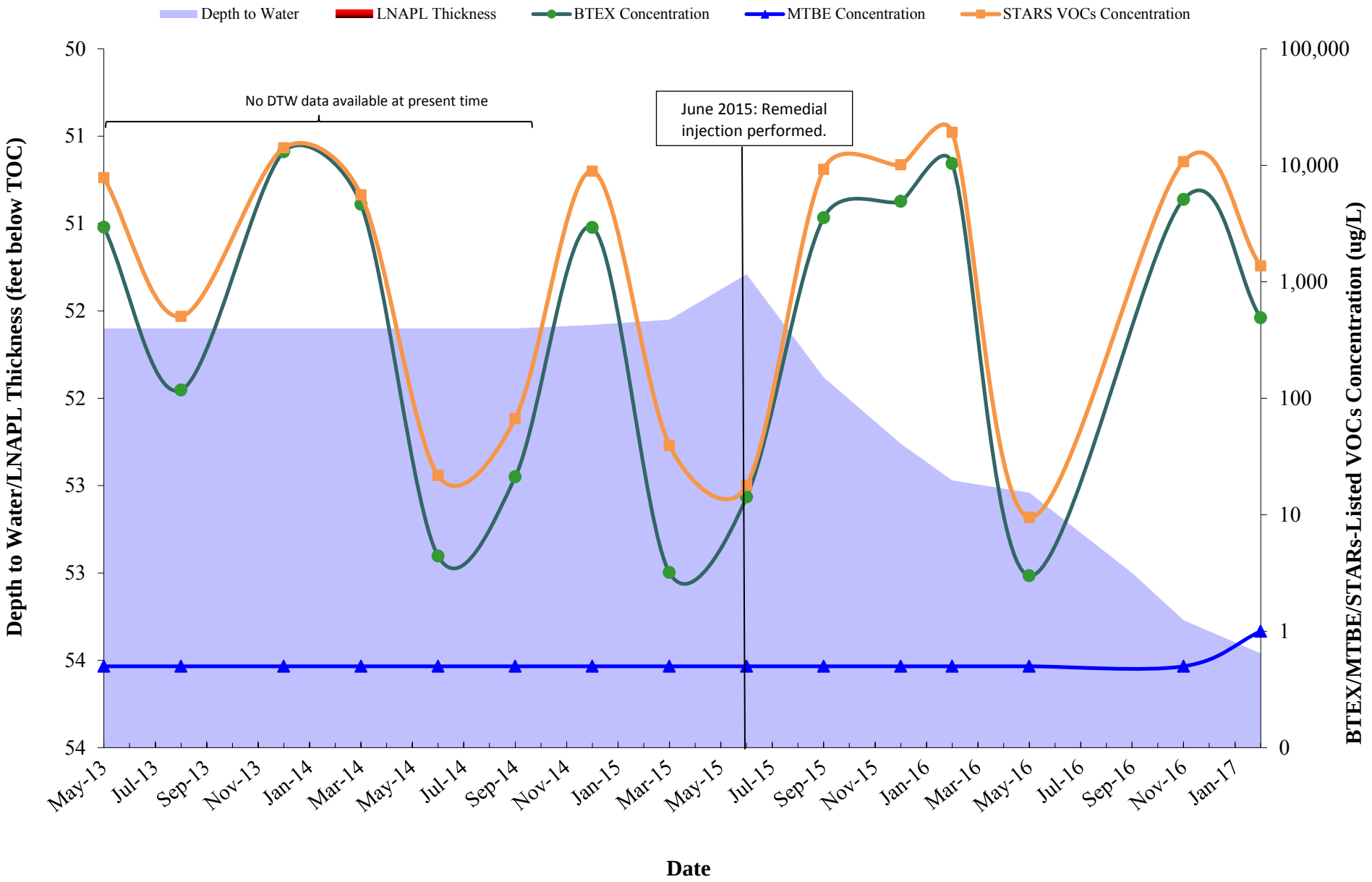
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-11

PMG Station #8541

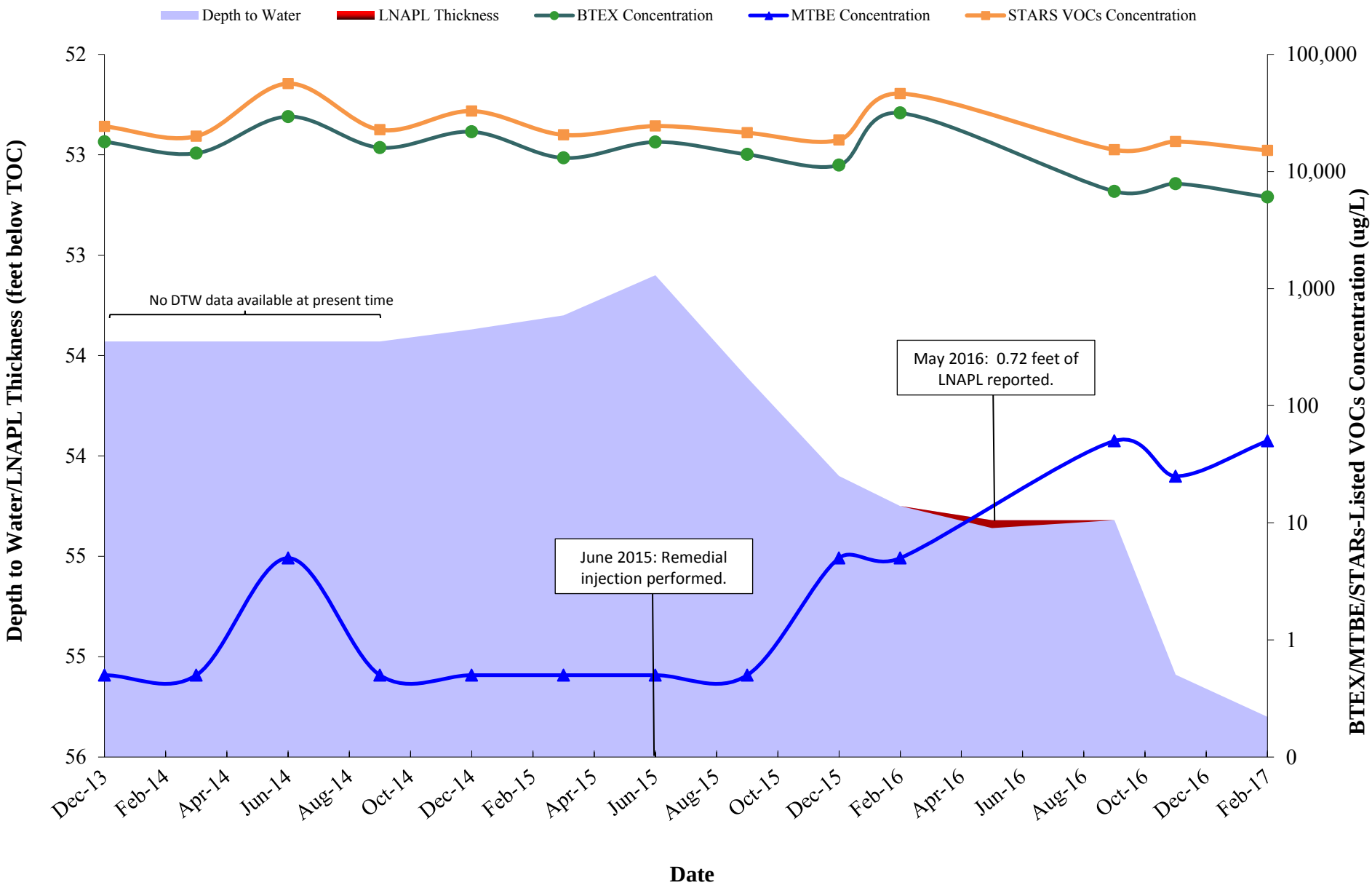
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-12

PMG Station #8541

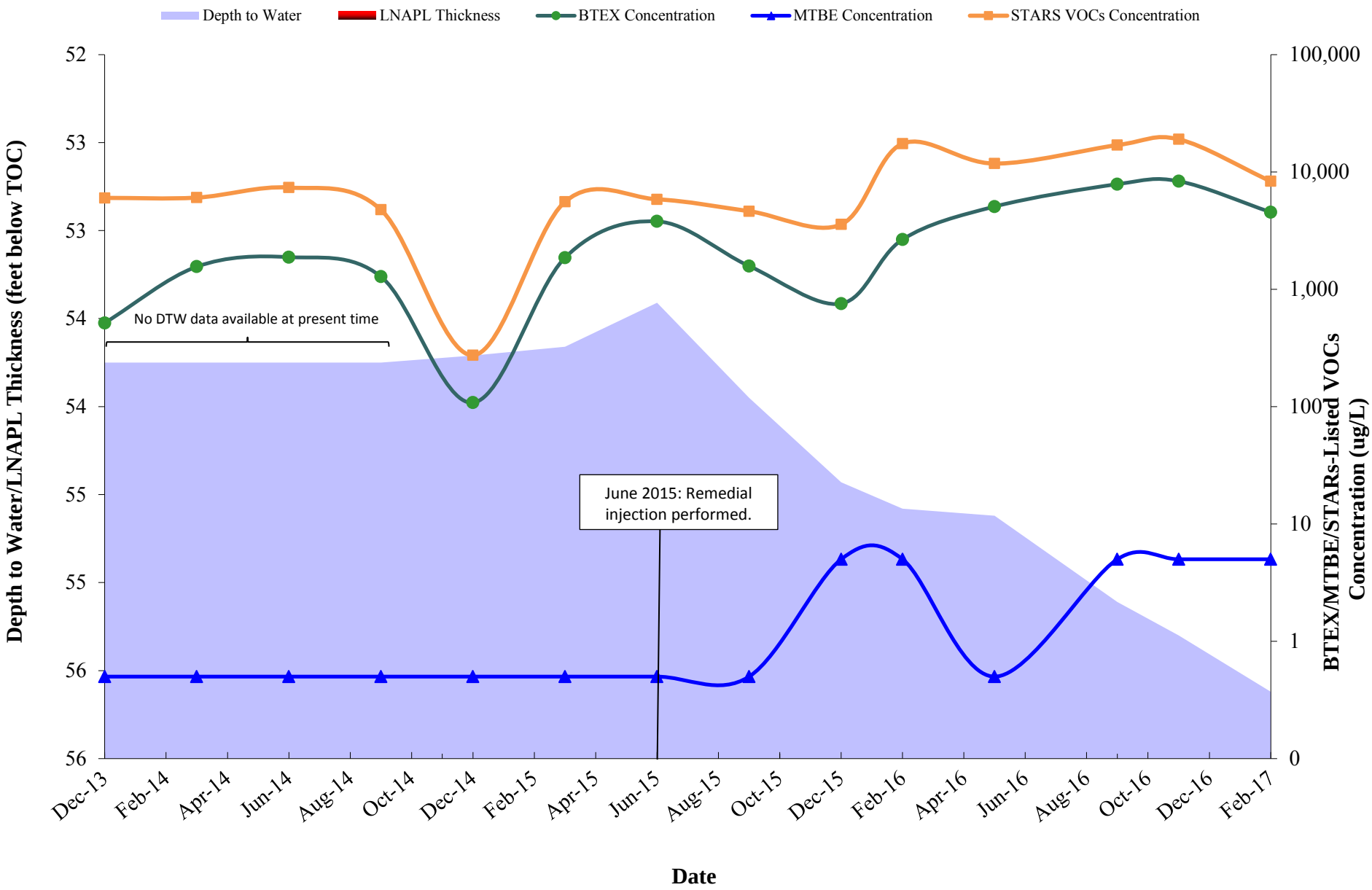
202-06 Hillside Avenue, Hollis, New York



DEPTH TO WATER/LNAPL THICKNESS & BTEX/MTBE/STARSVOCs CONCENTRATION with TIME in MW-13

PMG Station #8541

202-06 Hillside Avenue, Hollis, New York



ATTACHMENT C

ATTACHMENT C

SUMMARY OF REMEDIAL FEASIBILITY TESTING FIELD NOTES
PMG Station #8541
202-06 Hillside Ave
Hollis, NY

	SVE Test (9:07 - 11:01) @ SVE-2D		AS Test (11:01 - 13:10) @ AS-5		AS/SVE Test (13:10 - 14:28) @ AS-5, SVE-2D	SVE Test (14:28 - 14:39) @ SVE-2S
	SVE Step-1 (9:07 - 10:05)	**SVE Step-2 (10:05 - 11:01)**	**AS Test (11:01 - 12:01)**	**AS Test (12:01 - 13:10)**	**AS/SVE Test (13:10 - 14:28)**	**SVE Only (14:28 - 14:39)**
Extraction Well: SVE-2D Initial DTW: 55' bgs Screen Interval: 40-60' bgs Initial Open Screen Interval Available: 15' Distance to Sparge Well AS-5: 4.6' **Extraction Well: SVE-2D** Initial DTW: DRY Screen Interval: 20-40' bgs Initial Open Screen Interval Available: 20' Distance to Sparge Well AS-5: 5.5' **Air Sparge Well: AS-5** Initial DTW: 55' bgs Screen Interval: 70-73' bgs Distance to Extraction Well SVE-2D: 4.6' Distance to Extraction Well SVE-2S: 5.5'	**Time: 10:02** **Date: 3/13/2017** Extraction Well: Benzene conc. (ppm): ND<0.50 TPH C_5-C_{10} conc. (ppm): 1,420 TPH C_5-C_{10} recovery rate (lbs/day): 80.08 TCE conc. (ppb): ND<32 TCE recovery rate (lbs/day): 0 PCE conc. (ppb): 758 PCE recovery rate (lbs/day): 0.071 PID conc. (ppm): 198 LEL (%): 0 O2 (%): 20.8 Vapor flow (scfm): 151.10 Blower Inlet Vacuum ("Hg): 2.60 SVE Well Vacuum ("Hg): 2.29 Liquid level upwelling (feet): 0.02	**Time: 10:51** **Date: 3/13/2017** Extraction Well: Benzene conc. (ppm): ND<0.50 TPH C_5-C_{10} conc. (ppm): 796 TPH C_5-C_{10} recovery rate (lbs/day): 67.38 TCE conc. (ppb): ND<32 TCE recovery rate (lbs/day): 0 PCE conc. (ppb): 565 PCE recovery rate (lbs/day): 0.079 PID conc. (ppm): 48.7 LEL (%): 0 O2 (%): 20.9 Vapor flow (scfm): 226.80 Blower Inlet Vacuum ("Hg): 4.95 SVE Well Vacuum ("Hg): 4.46 Liquid level upwelling (feet): 0.01	**Time: 12:00** **Date: 3/13/2017** AS Well: Sparge pressure (psi): 10 Sparge flow (scfm): 7.00 Liquid level upwelling (feet): 0.12	**Time: 13:06** **Date: 3/13/2017** AS Well: Sparge pressure (psi): 15 Sparge flow (scfm): 15.00 Liquid level upwelling (feet): 0.11	**Time: 13:58** **Date: 3/13/2017** Extraction Well: Benzene conc. (ppm): ND<0.50 TPH C_5-C_{10} conc. (ppm): 1,100 TPH C_5-C_{10} recovery rate (lbs/day): 53.82 TCE conc. (ppb): 45.5 TCE recovery rate (lbs/day): 0.003 PCE conc. (ppb): 918 PCE recovery rate (lbs/day): 0.074 PID conc. (ppm): 1,575 LEL (%): 3 O2 (%): 17.5 Vapor flow (scfm): 131.10 Blower Inlet Vacuum ("Hg): 4.73 SVE Well Vacuum ("Hg): 3.65 AS Well: Sparge pressure (psi): 16 Sparge flow (scfm): 14.80 Liquid level upwelling (feet): 0.05	**Time: 14:39** **Date: 3/13/2017** Extraction Well: Benzene conc. (ppm): ND<0.50 TPH C_5-C_{10} conc. (ppm): 154 TPH C_5-C_{10} recovery rate (lbs/day): 7.25 TCE conc. (ppb): ND<16 TCE recovery rate (lbs/day): 0 PCE conc. (ppb): 739 PCE recovery rate (lbs/day): 0.057 PID conc. (ppm): 269 LEL (%): 6 O2 (%): 17.4 Vapor flow (scfm): 126.10 Blower Inlet Vacuum ("Hg): 4.82 SVE Well Vacuum ("Hg): 3.80 Liquid level upwelling (feet): NM

Observation Well ID	Radial distance from SVE-2D (feet)	Radial distance from SVE-2S (feet)	Radial distance from AS-5 (feet)	Screen interval range (feet bgs)	Initial Depth to Water (feet bgs)	Influence pressure reading (i.w.)	Liquid level change (feet)	Influence pressure reading (i.w.)	Liquid level change (feet)	Influence pressure reading (i.w.)	Liquid level change (feet)	Influence pressure reading (i.w.)	Liquid level change (feet)	Influence pressure reading (i.w.)	Liquid level change (feet)	Influence pressure reading (i.w.)	Liquid level change (feet)
MW-1	33.3	38.0	36.5	65-80	56.23	--	0.34	--	0.35	--	0.70	--	0.72	--	0.68	--	0.53
MW-3	14.3	18.5	13.0	65-80	58.91	--	0.00	--	-0.01	--	0.06	--	0.06	--	0.03	--	-0.06
MW-12	4.3	9.0	2.9	45-60	55.19	-1.37	0.04	-2.22	0.09	0.10	0.26	0.12	0.27	-0.36	0.27	-0.66	0.01
MW-13	14.3	18.9	18.1	45-60	55.62	-0.07	0.00	-0.41	0.01	0.76	0.17	0.72	0.10	0.11	0.07	0.21	-0.53
SVE-1S	NR	22.0	NR	20-40	DRY	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	-0.25	NM
SVE-3S	NR	27.3	NR	20-40	DRY	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	-0.25	NM

NOTES:

AS - air sparge	scfm - standard cubic feet per minute	DTW - depth to water	conc. - concentration	ppm - parts per million
SVE- soil vapor extraction	psi - pounds per square inch	Temp. - temperature	bgs - below ground surface	ppb - parts per billion
NM - not measured	i.w. - inches of water	LEL - lower explosive limit	toc - top of casing	ND < # - non-detect, less than the reporting limit
NA- not applicable	"Hg - inches of mercury	O2 - oxygen	C_5-C_{10} molecular weight = 100	lbs/day - pounds per day
> - greater than	mg/L - milligrams per liter	gpm - gallons per minute	TCE molecular weight = 131	
			PCE molecular weight = 165	

Negative values of pressure influence indicate the well was under vacuum. Positive values of pressure influence indicate the well was under pressure.
Negative values of liquid level change indicate drawdown. Positive values of liquid level change indicate upwelling.

Well screen at MW-1 and MW-3 was submerged during testing. Therefore, pressure/vacuum influence could not be monitored at these wells.

$$\text{Vapor concentration as mg/m}^3 = \frac{\text{Concentration (ppmv)}}{\text{Molecular Weight}} \Big/ \text{24.05 L/mol}$$

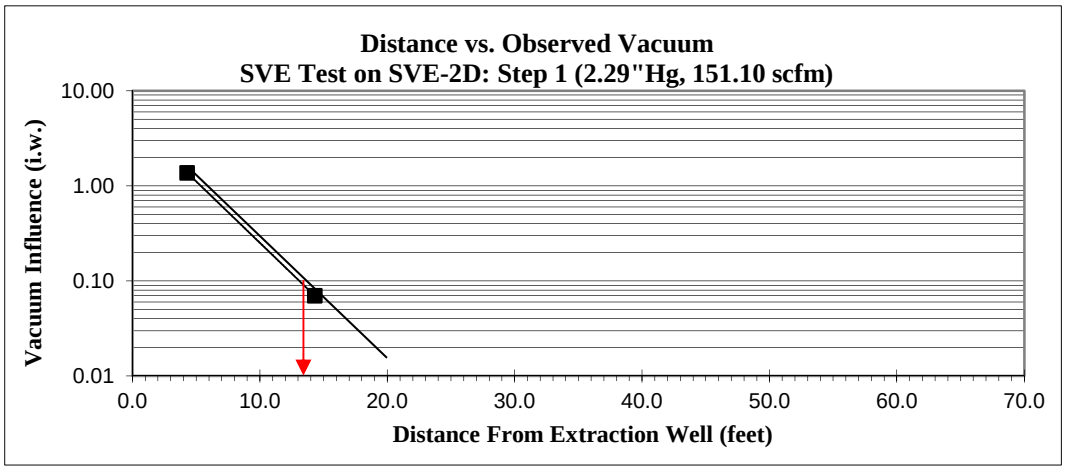
$$\text{Hydrocarbon Recovery (lbs/day)} = \frac{\text{Concentration (mg/m}^3\text{)}}{} \Big/ \frac{\text{Flow rate (ft}^3\text{/m)}}{} \Big/ \frac{\text{1 pound}}{\text{454,000 mg}} \Big/ \frac{\text{0.0283 m}^3}{\text{ft}^3} \Big/ \frac{\text{1440 min}}{\text{day}}$$

ATTACHMENT D

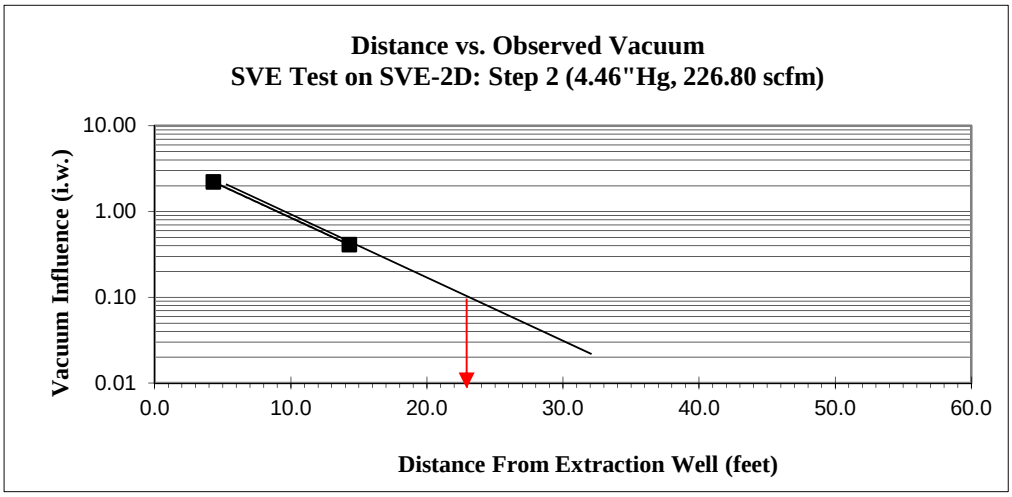
ATTACHMENT D

VACUUM INFLUENCE VERSUS DISTANCE SUMMARY

PMG Station #8541
202-06 Hillside Ave
Hollis, NY



NOTE:
ROI's estimated based on assuming 0.10 i.w. is the minimal effective vacuum influence.
SVE - soil vapor extraction
i.w. - inches of water
"Hg - inches of mercury
scfm - standard cubic feet per minute

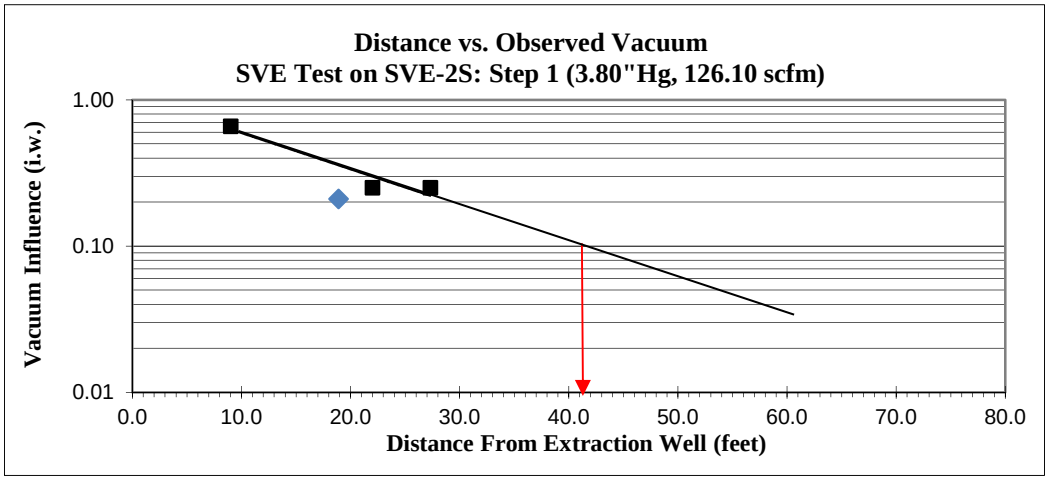


NOTE:
ROI's estimated based on assuming 0.10 i.w. is the minimal effective vacuum influence.
SVE - soil vapor extraction
i.w. - inches of water
"Hg - inches of mercury
scfm - standard cubic feet per minute

ATTACHMENT D

VACUUM INFLUENCE VERSUS DISTANCE SUMMARY

PMG Station #8541
202-06 Hillside Ave
Hollis, NY



NOTE:
ROI's estimated based on assuming 0.10 i.w. is the minimal effective vacuum influence.

SVE - soil vapor extraction
i.w. - inches of water
"Hg - inches of mercury
scfm - standard cubic feet per minute

ATTACHMENT E

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-121390-1
TestAmerica SDG: 202-06 Hillside Ave, Hollis NY
Client Project/Site: PMG #8541 Hollis

For:
Groundwater & Environmental Services Inc
89A Cabot Court
Hauppauge, New York 11788

Attn: GES, Inc.

Authorized for release by:
2/14/2017 1:55:36 PM
Leah Klingensmith, Senior Project Manager
(615)301-5038
leah.klingensmith@testamericainc.com

Designee for

Jennifer Huckaba, Project Manager II
(615)301-5042
jennifer.huckaba@testamericainc.com

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

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

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Definitions 5
Client Sample Results 6
QC Sample Results 32
QC Association 56
Chronicle 57
Method Summary 60
Certification Summary 61
Chain of Custody 62
Receipt Checklists 65

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-121390-1	MW-1	Ground Water	02/03/17 11:00	02/04/17 08:55
490-121390-2	MW-2	Ground Water	02/03/17 10:00	02/04/17 08:55
490-121390-3	MW-3	Ground Water	02/03/17 12:00	02/04/17 08:55
490-121390-4	MW-4	Ground Water	02/03/17 14:30	02/04/17 08:55
490-121390-5	MW-5	Ground Water	02/03/17 13:30	02/04/17 08:55
490-121390-6	MW-7	Ground Water	02/03/17 10:30	02/04/17 08:55
490-121390-7	MW-8	Ground Water	02/03/17 13:00	02/04/17 08:55
490-121390-8	MW-9	Ground Water	02/03/17 09:30	02/04/17 08:55
490-121390-9	MW-10	Ground Water	02/03/17 09:00	02/04/17 08:55
490-121390-10	MW-11	Ground Water	02/03/17 14:00	02/04/17 08:55
490-121390-11	MW-12	Ground Water	02/03/17 12:30	02/04/17 08:55
490-121390-12	MW-13	Ground Water	02/03/17 11:30	02/04/17 08:55
490-121390-13	Trip Blank	Water	02/03/17 00:01	02/04/17 08:55

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Job ID: 490-121390-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-121390-1

Comments
No additional comments.

Receipt
The samples were received on 2/4/2017 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was -0.9º C.

GC/MS VOA
Method(s) 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for 490-406214 recovered outside control limits for the following analytes: Dichlorodifluoromethane, chloromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for analytical batch 490-406214 recovered outside control limits for the following analytes: Chloroethane.

Method(s) 8260C: The following samples was diluted due to the nature of the sample matrix: Heavily concentrated in target analytes. MW-3 (490-121390-3), MW-8 (490-121390-7), MW-9 (490-121390-8), MW-12 (490-121390-11) and MW-13 (490-121390-12) Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 490-406439 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 490-406697 recovered outside control limits for the following analytes: Chloroethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

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

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.

Glossary

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

Client Sample ID: MW-1

Date Collected: 02/03/17 11:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 03:37	1
Benzene	ND		1.00		ug/L			02/08/17 03:37	1
Bromobenzene	ND		1.00		ug/L			02/08/17 03:37	1
Bromoform	ND		1.00		ug/L			02/08/17 03:37	1
Bromomethane	ND		1.00		ug/L			02/08/17 03:37	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 03:37	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 03:37	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 03:37	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 03:37	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 03:37	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 03:37	1
Chloroethane	ND	*	1.00		ug/L			02/08/17 03:37	1
Chloroform	ND		1.00		ug/L			02/08/17 03:37	1
Chloromethane	ND	*	1.00		ug/L			02/08/17 03:37	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 03:37	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 03:37	1
cis-1,2-Dichloroethene	**5.68**		1.00		ug/L			02/08/17 03:37	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 03:37	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 03:37	1
Dibromomethane	ND		1.00		ug/L			02/08/17 03:37	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 03:37	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 03:37	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 03:37	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 03:37	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			02/08/17 03:37	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 03:37	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 03:37	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 03:37	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 03:37	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 03:37	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 03:37	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 03:37	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 03:37	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 03:37	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 03:37	1
2-Hexanone	ND		10.0		ug/L			02/08/17 03:37	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 03:37	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 03:37	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 03:37	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 03:37	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 03:37	1
Naphthalene	ND		5.00		ug/L			02/08/17 03:37	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 03:37	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 03:37	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 03:37	1
Styrene	ND		1.00		ug/L			02/08/17 03:37	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 03:37	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 03:37	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 03:37	1

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-1
Date Collected: 02/03/17 11:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**484**		5.00		ug/L			02/08/17 17:08	5
Toluene	ND		1.00		ug/L			02/08/17 03:37	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 03:37	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 03:37	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 03:37	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 03:37	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 03:37	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 03:37	1
Trichloroethene	**6.62**		1.00		ug/L			02/08/17 03:37	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 03:37	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 03:37	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 03:37	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 03:37	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 03:37	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*02/08/17 03:37*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*02/08/17 17:08*	*5*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*02/08/17 03:37*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/08/17 17:08*	*5*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*02/08/17 03:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*02/08/17 17:08*	*5*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/08/17 03:37*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/08/17 17:08*	*5*

Client Sample ID: MW-2

Date Collected: 02/03/17 10:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 04:03	1
Benzene	ND		1.00		ug/L			02/08/17 04:03	1
Bromobenzene	ND		1.00		ug/L			02/08/17 04:03	1
Bromoform	ND		1.00		ug/L			02/08/17 04:03	1
Bromomethane	ND		1.00		ug/L			02/08/17 04:03	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 04:03	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 04:03	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 04:03	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 04:03	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 04:03	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 04:03	1
Chloroethane	ND	*	1.00		ug/L			02/08/17 04:03	1
Chloroform	**1.09**		1.00		ug/L			02/08/17 04:03	1
Chloromethane	ND	*	1.00		ug/L			02/08/17 04:03	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 04:03	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 04:03	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 04:03	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 04:03	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 04:03	1
Dibromomethane	ND		1.00		ug/L			02/08/17 04:03	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:03	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:03	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:03	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 04:03	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			02/08/17 04:03	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 04:03	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 04:03	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 04:03	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 04:03	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 04:03	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 04:03	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 04:03	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 04:03	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 04:03	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 04:03	1
2-Hexanone	ND		10.0		ug/L			02/08/17 04:03	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 04:03	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 04:03	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 04:03	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 04:03	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 04:03	1
Naphthalene	ND		5.00		ug/L			02/08/17 04:03	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 04:03	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 04:03	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 04:03	1
Styrene	ND		1.00		ug/L			02/08/17 04:03	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 04:03	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 04:03	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 04:03	1

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-2
Date Collected: 02/03/17 10:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**50.7**		1.00		ug/L			02/09/17 13:32	1
Toluene	ND		1.00		ug/L			02/08/17 04:03	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 04:03	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 04:03	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 04:03	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 04:03	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 04:03	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 04:03	1
Trichloroethene	ND		1.00		ug/L			02/08/17 04:03	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 04:03	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 04:03	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 04:03	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 04:03	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 04:03	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*02/08/17 04:03*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*02/09/17 13:32*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*02/08/17 04:03*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/09/17 13:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*02/08/17 04:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*02/09/17 13:32*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/08/17 04:03*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/09/17 13:32*	*1*

Client Sample ID: MW-3
Date Collected: 02/03/17 12:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		125		ug/L			02/08/17 08:01	5
Benzene	ND		5.00		ug/L			02/08/17 08:01	5
Bromobenzene	ND		5.00		ug/L			02/08/17 08:01	5
Bromoform	ND		5.00		ug/L			02/08/17 08:01	5
Bromomethane	ND		5.00		ug/L			02/08/17 08:01	5
2-Butanone (MEK)	ND		250		ug/L			02/08/17 08:01	5
Carbon disulfide	ND		5.00		ug/L			02/08/17 08:01	5
Carbon tetrachloride	ND		5.00		ug/L			02/08/17 08:01	5
Chlorobenzene	ND		5.00		ug/L			02/08/17 08:01	5
Chlorobromomethane	ND		5.00		ug/L			02/08/17 08:01	5
Chlorodibromomethane	ND		5.00		ug/L			02/08/17 08:01	5
Chloroethane	ND	*	5.00		ug/L			02/08/17 08:01	5
Chloroform	ND		5.00		ug/L			02/08/17 08:01	5
Chloromethane	ND	*	5.00		ug/L			02/08/17 08:01	5
2-Chlorotoluene	ND		5.00		ug/L			02/08/17 08:01	5
4-Chlorotoluene	ND		5.00		ug/L			02/08/17 08:01	5
cis-1,2-Dichloroethene	**213**		5.00		ug/L			02/08/17 08:01	5
cis-1,3-Dichloropropene	ND		5.00		ug/L			02/08/17 08:01	5
1,2-Dibromo-3-Chloropropane	ND		50.0		ug/L			02/08/17 08:01	5
Dibromomethane	ND		5.00		ug/L			02/08/17 08:01	5
1,2-Dichlorobenzene	ND		5.00		ug/L			02/08/17 08:01	5
1,3-Dichlorobenzene	ND		5.00		ug/L			02/08/17 08:01	5
1,4-Dichlorobenzene	ND		5.00		ug/L			02/08/17 08:01	5
Dichlorobromomethane	ND		5.00		ug/L			02/08/17 08:01	5
Dichlorodifluoromethane	ND	*	5.00		ug/L			02/08/17 08:01	5
1,1-Dichloroethane	ND		5.00		ug/L			02/08/17 08:01	5
1,2-Dichloroethane	ND		5.00		ug/L			02/08/17 08:01	5
1,1-Dichloroethene	ND		5.00		ug/L			02/08/17 08:01	5
1,2-Dichloropropane	ND		5.00		ug/L			02/08/17 08:01	5
1,3-Dichloropropane	ND		5.00		ug/L			02/08/17 08:01	5
2,2-Dichloropropane	ND		5.00		ug/L			02/08/17 08:01	5
1,1-Dichloropropene	ND		5.00		ug/L			02/08/17 08:01	5
Ethylbenzene	**66.9**		5.00		ug/L			02/08/17 08:01	5
Ethylene Dibromide	ND		5.00		ug/L			02/08/17 08:01	5
Hexachlorobutadiene	ND		10.0		ug/L			02/08/17 08:01	5
2-Hexanone	ND		50.0		ug/L			02/08/17 08:01	5
Isopropylbenzene	**14.2**		5.00		ug/L			02/08/17 08:01	5
4-Isopropyltoluene	**11.5**		5.00		ug/L			02/08/17 08:01	5
Methylene Chloride	ND		25.0		ug/L			02/08/17 08:01	5
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/L			02/08/17 08:01	5
Methyl tert-butyl ether	ND		5.00		ug/L			02/08/17 08:01	5
Naphthalene	ND		25.0		ug/L			02/08/17 08:01	5
n-Butylbenzene	ND		5.00		ug/L			02/08/17 08:01	5
N-Propylbenzene	**31.0**		5.00		ug/L			02/08/17 08:01	5
sec-Butylbenzene	ND		5.00		ug/L			02/08/17 08:01	5
Styrene	ND		5.00		ug/L			02/08/17 08:01	5
tert-Butylbenzene	ND		5.00		ug/L			02/08/17 08:01	5
1,1,1,2-Tetrachloroethane	ND		5.00		ug/L			02/08/17 08:01	5
1,1,2,2-Tetrachloroethane	ND		5.00		ug/L			02/08/17 08:01	5

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-3
Date Collected: 02/03/17 12:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**171**		5.00		ug/L			02/08/17 08:01	5
Toluene	ND		5.00		ug/L			02/08/17 08:01	5
trans-1,2-Dichloroethene	ND		5.00		ug/L			02/08/17 08:01	5
trans-1,3-Dichloropropene	ND		5.00		ug/L			02/08/17 08:01	5
1,2,3-Trichlorobenzene	ND		5.00		ug/L			02/08/17 08:01	5
1,2,4-Trichlorobenzene	ND		5.00		ug/L			02/08/17 08:01	5
1,1,1-Trichloroethane	ND		5.00		ug/L			02/08/17 08:01	5
1,1,2-Trichloroethane	ND		5.00		ug/L			02/08/17 08:01	5
Trichloroethene	**31.4**		5.00		ug/L			02/08/17 08:01	5
Trichlorofluoromethane	ND		5.00		ug/L			02/08/17 08:01	5
1,2,3-Trichloropropane	ND		5.00		ug/L			02/08/17 08:01	5
1,2,4-Trimethylbenzene	**1050**		5.00		ug/L			02/08/17 08:01	5
1,3,5-Trimethylbenzene	**147**		5.00		ug/L			02/08/17 08:01	5
Vinyl chloride	ND		5.00		ug/L			02/08/17 08:01	5
Xylenes, Total	**70.3**		15.0		ug/L			02/08/17 17:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/08/17 08:01*	*5*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*02/08/17 17:34*	*5*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*02/08/17 08:01*	*5*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*02/08/17 17:34*	*5*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*02/08/17 08:01*	*5*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 130*		*02/08/17 17:34*	*5*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/08/17 08:01*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 17:34*	*5*

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-4
Date Collected: 02/03/17 14:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 04:30	1
Benzene	ND		1.00		ug/L			02/08/17 04:30	1
Bromobenzene	ND		1.00		ug/L			02/08/17 04:30	1
Bromoform	ND		1.00		ug/L			02/08/17 04:30	1
Bromomethane	ND		1.00		ug/L			02/08/17 04:30	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 04:30	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 04:30	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 04:30	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 04:30	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 04:30	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 04:30	1
Chloroethane	ND	*	1.00		ug/L			02/08/17 04:30	1
Chloroform	**1.52**		1.00		ug/L			02/08/17 04:30	1
Chloromethane	ND	*	1.00		ug/L			02/08/17 04:30	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 04:30	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 04:30	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 04:30	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 04:30	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 04:30	1
Dibromomethane	ND		1.00		ug/L			02/08/17 04:30	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:30	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:30	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:30	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 04:30	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			02/08/17 04:30	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 04:30	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 04:30	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 04:30	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 04:30	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 04:30	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 04:30	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 04:30	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 04:30	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 04:30	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 04:30	1
2-Hexanone	ND		10.0		ug/L			02/08/17 04:30	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 04:30	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 04:30	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 04:30	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 04:30	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 04:30	1
Naphthalene	ND		5.00		ug/L			02/08/17 04:30	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 04:30	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 04:30	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 04:30	1
Styrene	ND		1.00		ug/L			02/08/17 04:30	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 04:30	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 04:30	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 04:30	1

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-4
Date Collected: 02/03/17 14:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**200**		1.00		ug/L			02/08/17 04:30	1
Toluene	ND		1.00		ug/L			02/08/17 04:30	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 04:30	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 04:30	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 04:30	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 04:30	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 04:30	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 04:30	1
Trichloroethene	**2.09**		1.00		ug/L			02/08/17 04:30	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 04:30	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 04:30	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 04:30	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 04:30	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 04:30	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*02/08/17 04:30*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*02/08/17 04:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*02/08/17 04:30*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/08/17 04:30*	*1*

Client Sample ID: MW-5

Date Collected: 02/03/17 13:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-5

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 04:56	1
Benzene	ND		1.00		ug/L			02/08/17 04:56	1
Bromobenzene	ND		1.00		ug/L			02/08/17 04:56	1
Bromoform	ND		1.00		ug/L			02/08/17 04:56	1
Bromomethane	ND		1.00		ug/L			02/08/17 04:56	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 04:56	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 04:56	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 04:56	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 04:56	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 04:56	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 04:56	1
Chloroethane	ND	*	1.00		ug/L			02/08/17 04:56	1
Chloroform	**1.18**		1.00		ug/L			02/08/17 04:56	1
Chloromethane	ND	*	1.00		ug/L			02/08/17 04:56	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 04:56	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 04:56	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 04:56	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 04:56	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 04:56	1
Dibromomethane	ND		1.00		ug/L			02/08/17 04:56	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:56	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:56	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 04:56	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 04:56	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			02/08/17 04:56	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 04:56	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 04:56	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 04:56	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 04:56	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 04:56	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 04:56	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 04:56	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 04:56	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 04:56	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 04:56	1
2-Hexanone	ND		10.0		ug/L			02/08/17 04:56	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 04:56	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 04:56	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 04:56	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 04:56	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 04:56	1
Naphthalene	ND		5.00		ug/L			02/08/17 04:56	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 04:56	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 04:56	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 04:56	1
Styrene	ND		1.00		ug/L			02/08/17 04:56	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 04:56	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 04:56	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 04:56	1

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-5
Date Collected: 02/03/17 13:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**409**		5.00		ug/L			02/08/17 18:01	5
Toluene	ND		1.00		ug/L			02/08/17 04:56	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 04:56	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 04:56	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 04:56	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 04:56	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 04:56	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 04:56	1
Trichloroethene	**2.94**		1.00		ug/L			02/08/17 04:56	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 04:56	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 04:56	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 04:56	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 04:56	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 04:56	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*02/08/17 04:56*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*02/08/17 18:01*	*5*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/08/17 04:56*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/08/17 18:01*	*5*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*02/08/17 04:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*02/08/17 18:01*	*5*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/08/17 04:56*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 18:01*	*5*

Client Sample ID: MW-7

Date Collected: 02/03/17 10:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-6

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 05:22	1
Benzene	ND		1.00		ug/L			02/08/17 05:22	1
Bromobenzene	ND		1.00		ug/L			02/08/17 05:22	1
Bromoform	ND		1.00		ug/L			02/08/17 05:22	1
Bromomethane	ND		1.00		ug/L			02/08/17 05:22	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 05:22	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 05:22	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 05:22	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 05:22	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 05:22	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 05:22	1
Chloroethane	ND	*	1.00		ug/L			02/08/17 05:22	1
Chloroform	**1.00**		1.00		ug/L			02/08/17 05:22	1
Chloromethane	ND	*	1.00		ug/L			02/08/17 05:22	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 05:22	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 05:22	1
cis-1,2-Dichloroethene	**8.91**		1.00		ug/L			02/08/17 05:22	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 05:22	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 05:22	1
Dibromomethane	ND		1.00		ug/L			02/08/17 05:22	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 05:22	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 05:22	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 05:22	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 05:22	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			02/08/17 05:22	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 05:22	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 05:22	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 05:22	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 05:22	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 05:22	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 05:22	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 05:22	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 05:22	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 05:22	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 05:22	1
2-Hexanone	ND		10.0		ug/L			02/08/17 05:22	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 05:22	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 05:22	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 05:22	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 05:22	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 05:22	1
Naphthalene	ND		5.00		ug/L			02/08/17 05:22	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 05:22	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 05:22	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 05:22	1
Styrene	ND		1.00		ug/L			02/08/17 05:22	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 05:22	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 05:22	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 05:22	1

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-7
Date Collected: 02/03/17 10:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**523**		5.00		ug/L			02/08/17 18:27	5
Toluene	ND		1.00		ug/L			02/08/17 05:22	1
trans-1,2-Dichloroethene	**1.32**		1.00		ug/L			02/08/17 05:22	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 05:22	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 05:22	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 05:22	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 05:22	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 05:22	1
Trichloroethene	**10.6**		1.00		ug/L			02/08/17 05:22	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 05:22	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 05:22	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 05:22	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 05:22	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 05:22	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*02/08/17 05:22*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*02/08/17 18:27*	*5*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*02/08/17 05:22*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*02/08/17 18:27*	*5*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*02/08/17 05:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*02/08/17 18:27*	*5*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/08/17 05:22*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 18:27*	*5*

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-8
Date Collected: 02/03/17 13:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		125		ug/L			02/08/17 06:41	5
Benzene	ND		5.00		ug/L			02/08/17 06:41	5
Bromobenzene	ND		5.00		ug/L			02/08/17 06:41	5
Bromoform	ND		5.00		ug/L			02/08/17 06:41	5
Bromomethane	ND		5.00		ug/L			02/08/17 06:41	5
2-Butanone (MEK)	ND		250		ug/L			02/08/17 06:41	5
Carbon disulfide	ND		5.00		ug/L			02/08/17 06:41	5
Carbon tetrachloride	ND		5.00		ug/L			02/08/17 06:41	5
Chlorobenzene	ND		5.00		ug/L			02/08/17 06:41	5
Chlorobromomethane	ND		5.00		ug/L			02/08/17 06:41	5
Chlorodibromomethane	ND		5.00		ug/L			02/08/17 06:41	5
Chloroethane	ND	*	5.00		ug/L			02/08/17 06:41	5
Chloroform	ND		5.00		ug/L			02/08/17 06:41	5
Chloromethane	ND	*	5.00		ug/L			02/08/17 06:41	5
2-Chlorotoluene	ND		5.00		ug/L			02/08/17 06:41	5
4-Chlorotoluene	ND		5.00		ug/L			02/08/17 06:41	5
cis-1,2-Dichloroethene	**513**		5.00		ug/L			02/08/17 06:41	5
cis-1,3-Dichloropropene	ND		5.00		ug/L			02/08/17 06:41	5
1,2-Dibromo-3-Chloropropane	ND		50.0		ug/L			02/08/17 06:41	5
Dibromomethane	ND		5.00		ug/L			02/08/17 06:41	5
1,2-Dichlorobenzene	ND		5.00		ug/L			02/08/17 06:41	5
1,3-Dichlorobenzene	ND		5.00		ug/L			02/08/17 06:41	5
1,4-Dichlorobenzene	ND		5.00		ug/L			02/08/17 06:41	5
Dichlorobromomethane	ND		5.00		ug/L			02/08/17 06:41	5
Dichlorodifluoromethane	ND	*	5.00		ug/L			02/08/17 06:41	5
1,1-Dichloroethane	ND		5.00		ug/L			02/08/17 06:41	5
1,2-Dichloroethane	ND		5.00		ug/L			02/08/17 06:41	5
1,1-Dichloroethene	ND		5.00		ug/L			02/08/17 06:41	5
1,2-Dichloropropane	ND		5.00		ug/L			02/08/17 06:41	5
1,3-Dichloropropane	ND		5.00		ug/L			02/08/17 06:41	5
2,2-Dichloropropane	ND		5.00		ug/L			02/08/17 06:41	5
1,1-Dichloropropene	ND		5.00		ug/L			02/08/17 06:41	5
Ethylbenzene	**8.77**		5.00		ug/L			02/08/17 06:41	5
Ethylene Dibromide	ND		5.00		ug/L			02/08/17 06:41	5
Hexachlorobutadiene	ND		10.0		ug/L			02/08/17 06:41	5
2-Hexanone	ND		50.0		ug/L			02/08/17 06:41	5
Isopropylbenzene	**17.3**		5.00		ug/L			02/08/17 06:41	5
4-Isopropyltoluene	**21.3**		5.00		ug/L			02/08/17 06:41	5
Methylene Chloride	ND		25.0		ug/L			02/08/17 06:41	5
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/L			02/08/17 06:41	5
Methyl tert-butyl ether	ND		5.00		ug/L			02/08/17 06:41	5
Naphthalene	ND		25.0		ug/L			02/08/17 18:53	5
n-Butylbenzene	ND		5.00		ug/L			02/08/17 06:41	5
N-Propylbenzene	**140**		5.00		ug/L			02/08/17 06:41	5
sec-Butylbenzene	**25.8**		5.00		ug/L			02/08/17 06:41	5
Styrene	ND		5.00		ug/L			02/08/17 06:41	5
tert-Butylbenzene	ND		5.00		ug/L			02/08/17 06:41	5
1,1,1,2-Tetrachloroethane	ND		5.00		ug/L			02/08/17 06:41	5
1,1,2,2-Tetrachloroethane	ND		5.00		ug/L			02/08/17 06:41	5

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-8
Date Collected: 02/03/17 13:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**107**		5.00		ug/L			02/08/17 06:41	5
Toluene	ND		5.00		ug/L			02/08/17 06:41	5
trans-1,2-Dichloroethene	ND		5.00		ug/L			02/08/17 06:41	5
trans-1,3-Dichloropropene	ND		5.00		ug/L			02/08/17 06:41	5
1,2,3-Trichlorobenzene	ND		5.00		ug/L			02/08/17 06:41	5
1,2,4-Trichlorobenzene	ND		5.00		ug/L			02/08/17 06:41	5
1,1,1-Trichloroethane	ND		5.00		ug/L			02/08/17 06:41	5
1,1,2-Trichloroethane	ND		5.00		ug/L			02/08/17 06:41	5
Trichloroethene	**63.6**		5.00		ug/L			02/08/17 06:41	5
Trichlorofluoromethane	ND		5.00		ug/L			02/08/17 06:41	5
1,2,3-Trichloropropane	ND		5.00		ug/L			02/08/17 06:41	5
1,2,4-Trimethylbenzene	**757**		5.00		ug/L			02/08/17 06:41	5
1,3,5-Trimethylbenzene	**253**		5.00		ug/L			02/08/17 06:41	5
Vinyl chloride	ND		5.00		ug/L			02/08/17 06:41	5
Xylenes, Total	**46.6**		15.0		ug/L			02/08/17 06:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*02/08/17 06:41*	*5*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/08/17 18:53*	*5*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*02/08/17 06:41*	*5*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/08/17 18:53*	*5*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*02/08/17 06:41*	*5*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*02/08/17 18:53*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 06:41*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 18:53*	*5*

Client Sample ID: MW-9

Date Collected: 02/03/17 09:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		125		ug/L			02/08/17 07:08	5
Benzene	ND		5.00		ug/L			02/08/17 07:08	5
Bromobenzene	ND		5.00		ug/L			02/08/17 07:08	5
Bromoform	ND		5.00		ug/L			02/08/17 07:08	5
Bromomethane	ND		5.00		ug/L			02/08/17 07:08	5
2-Butanone (MEK)	ND		250		ug/L			02/08/17 07:08	5
Carbon disulfide	ND		5.00		ug/L			02/08/17 07:08	5
Carbon tetrachloride	ND		5.00		ug/L			02/08/17 07:08	5
Chlorobenzene	ND		5.00		ug/L			02/08/17 07:08	5
Chlorobromomethane	ND		5.00		ug/L			02/08/17 07:08	5
Chlorodibromomethane	ND		5.00		ug/L			02/08/17 07:08	5
Chloroethane	ND	*	5.00		ug/L			02/08/17 07:08	5
Chloroform	ND		5.00		ug/L			02/08/17 07:08	5
Chloromethane	ND	*	5.00		ug/L			02/08/17 07:08	5
2-Chlorotoluene	ND		5.00		ug/L			02/08/17 07:08	5
4-Chlorotoluene	ND		5.00		ug/L			02/08/17 07:08	5
cis-1,2-Dichloroethene	**6.53**		5.00		ug/L			02/08/17 07:08	5
cis-1,3-Dichloropropene	ND		5.00		ug/L			02/08/17 07:08	5
1,2-Dibromo-3-Chloropropane	ND		50.0		ug/L			02/08/17 07:08	5
Dibromomethane	ND		5.00		ug/L			02/08/17 07:08	5
1,2-Dichlorobenzene	ND		5.00		ug/L			02/08/17 07:08	5
1,3-Dichlorobenzene	ND		5.00		ug/L			02/08/17 07:08	5
1,4-Dichlorobenzene	ND		5.00		ug/L			02/08/17 07:08	5
Dichlorobromomethane	ND		5.00		ug/L			02/08/17 07:08	5
Dichlorodifluoromethane	ND	*	5.00		ug/L			02/08/17 07:08	5
1,1-Dichloroethane	ND		5.00		ug/L			02/08/17 07:08	5
1,2-Dichloroethane	ND		5.00		ug/L			02/08/17 07:08	5
1,1-Dichloroethene	ND		5.00		ug/L			02/08/17 07:08	5
1,2-Dichloropropane	ND		5.00		ug/L			02/08/17 07:08	5
1,3-Dichloropropane	ND		5.00		ug/L			02/08/17 07:08	5
2,2-Dichloropropane	ND		5.00		ug/L			02/08/17 07:08	5
1,1-Dichloropropene	ND		5.00		ug/L			02/08/17 07:08	5
Ethylbenzene	ND		5.00		ug/L			02/08/17 07:08	5
Ethylene Dibromide	ND		5.00		ug/L			02/08/17 07:08	5
Hexachlorobutadiene	ND		10.0		ug/L			02/08/17 07:08	5
2-Hexanone	ND		50.0		ug/L			02/08/17 07:08	5
Isopropylbenzene	ND		5.00		ug/L			02/08/17 07:08	5
4-Isopropyltoluene	ND		5.00		ug/L			02/08/17 07:08	5
Methylene Chloride	ND		25.0		ug/L			02/08/17 07:08	5
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/L			02/08/17 07:08	5
Methyl tert-butyl ether	ND		5.00		ug/L			02/08/17 07:08	5
Naphthalene	ND		25.0		ug/L			02/08/17 07:08	5
n-Butylbenzene	ND		5.00		ug/L			02/08/17 07:08	5
N-Propylbenzene	ND		5.00		ug/L			02/08/17 07:08	5
sec-Butylbenzene	ND		5.00		ug/L			02/08/17 07:08	5
Styrene	ND		5.00		ug/L			02/08/17 07:08	5
tert-Butylbenzene	ND		5.00		ug/L			02/08/17 07:08	5
1,1,1,2-Tetrachloroethane	ND		5.00		ug/L			02/08/17 07:08	5
1,1,2,2-Tetrachloroethane	ND		5.00		ug/L			02/08/17 07:08	5

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-9
Date Collected: 02/03/17 09:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**883**		5.00		ug/L			02/08/17 07:08	5
Toluene	ND		5.00		ug/L			02/08/17 07:08	5
trans-1,2-Dichloroethene	ND		5.00		ug/L			02/08/17 07:08	5
trans-1,3-Dichloropropene	ND		5.00		ug/L			02/08/17 07:08	5
1,2,3-Trichlorobenzene	ND		5.00		ug/L			02/08/17 07:08	5
1,2,4-Trichlorobenzene	ND		5.00		ug/L			02/08/17 07:08	5
1,1,1-Trichloroethane	ND		5.00		ug/L			02/08/17 07:08	5
1,1,2-Trichloroethane	ND		5.00		ug/L			02/08/17 07:08	5
Trichloroethene	**6.80**		5.00		ug/L			02/08/17 07:08	5
Trichlorofluoromethane	ND		5.00		ug/L			02/08/17 07:08	5
1,2,3-Trichloropropane	ND		5.00		ug/L			02/08/17 07:08	5
1,2,4-Trimethylbenzene	ND		5.00		ug/L			02/08/17 07:08	5
1,3,5-Trimethylbenzene	ND		5.00		ug/L			02/08/17 07:08	5
Vinyl chloride	ND		5.00		ug/L			02/08/17 07:08	5
Xylenes, Total	ND		15.0		ug/L			02/08/17 07:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*02/08/17 07:08*	*5*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*02/08/17 07:08*	*5*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*02/08/17 07:08*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 07:08*	*5*

Client Sample ID: MW-10

Date Collected: 02/03/17 09:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-9

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 05:49	1
Benzene	ND		1.00		ug/L			02/08/17 05:49	1
Bromobenzene	ND		1.00		ug/L			02/08/17 05:49	1
Bromoform	ND		1.00		ug/L			02/08/17 05:49	1
Bromomethane	ND		1.00		ug/L			02/08/17 05:49	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 05:49	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 05:49	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 05:49	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 05:49	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 05:49	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 05:49	1
Chloroethane	ND	*	1.00		ug/L			02/08/17 05:49	1
Chloroform	ND		1.00		ug/L			02/08/17 05:49	1
Chloromethane	ND	*	1.00		ug/L			02/08/17 05:49	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 05:49	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 05:49	1
cis-1,2-Dichloroethene	**3.01**		1.00		ug/L			02/08/17 05:49	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 05:49	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 05:49	1
Dibromomethane	ND		1.00		ug/L			02/08/17 05:49	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 05:49	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 05:49	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 05:49	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 05:49	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			02/08/17 05:49	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 05:49	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 05:49	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 05:49	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 05:49	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 05:49	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 05:49	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 05:49	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 05:49	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 05:49	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 05:49	1
2-Hexanone	ND		10.0		ug/L			02/08/17 05:49	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 05:49	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 05:49	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 05:49	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 05:49	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 05:49	1
Naphthalene	ND		5.00		ug/L			02/08/17 05:49	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 05:49	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 05:49	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 05:49	1
Styrene	ND		1.00		ug/L			02/08/17 05:49	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 05:49	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 05:49	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 05:49	1

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-10
Date Collected: 02/03/17 09:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-9
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**544**		5.00		ug/L			02/09/17 17:55	5
Toluene	ND		1.00		ug/L			02/08/17 05:49	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 05:49	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 05:49	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 05:49	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 05:49	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 05:49	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 05:49	1
Trichloroethene	**4.54**		1.00		ug/L			02/08/17 05:49	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 05:49	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 05:49	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 05:49	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 05:49	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 05:49	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*02/08/17 05:49*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/09/17 17:55*	*5*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*02/08/17 05:49*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*02/09/17 17:55*	*5*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/08/17 05:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*02/09/17 17:55*	*5*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/08/17 05:49*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/09/17 17:55*	*5*

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-11
Date Collected: 02/03/17 14:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-10
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 06:15	1
Benzene	ND		1.00		ug/L			02/08/17 06:15	1
Bromobenzene	ND		1.00		ug/L			02/08/17 06:15	1
Bromoform	ND		1.00		ug/L			02/08/17 06:15	1
Bromomethane	ND		1.00		ug/L			02/08/17 06:15	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 06:15	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 06:15	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 06:15	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 06:15	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 06:15	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 06:15	1
Chloroethane	ND	*	1.00		ug/L			02/08/17 06:15	1
Chloroform	ND		1.00		ug/L			02/08/17 06:15	1
Chloromethane	ND	*	1.00		ug/L			02/08/17 06:15	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 06:15	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 06:15	1
cis-1,2-Dichloroethene	**134**		1.00		ug/L			02/08/17 06:15	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 06:15	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 06:15	1
Dibromomethane	ND		1.00		ug/L			02/08/17 06:15	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 06:15	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 06:15	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 06:15	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 06:15	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			02/08/17 06:15	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 06:15	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 06:15	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 06:15	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 06:15	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 06:15	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 06:15	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 06:15	1
Ethylbenzene	**184**		1.00		ug/L			02/08/17 06:15	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 06:15	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 06:15	1
2-Hexanone	ND		10.0		ug/L			02/08/17 06:15	1
Isopropylbenzene	**20.2**		1.00		ug/L			02/08/17 06:15	1
4-Isopropyltoluene	**3.16**		1.00		ug/L			02/08/17 06:15	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 06:15	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 06:15	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 06:15	1
Naphthalene	**149**		5.00		ug/L			02/08/17 06:15	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 06:15	1
N-Propylbenzene	**62.6**		1.00		ug/L			02/08/17 06:15	1
sec-Butylbenzene	**7.11**		1.00		ug/L			02/08/17 06:15	1
Styrene	ND		1.00		ug/L			02/08/17 06:15	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 06:15	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 06:15	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 06:15	1

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-11
Date Collected: 02/03/17 14:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-10
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**30.1**		1.00		ug/L			02/08/17 06:15	1
Toluene	**2.49**		1.00		ug/L			02/08/17 06:15	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 06:15	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 06:15	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 06:15	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 06:15	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 06:15	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 06:15	1
Trichloroethene	**15.7**		1.00		ug/L			02/08/17 06:15	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 06:15	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 06:15	1
1,2,4-Trimethylbenzene	**421**		5.00		ug/L			02/09/17 18:21	5
1,3,5-Trimethylbenzene	**217**		1.00		ug/L			02/08/17 06:15	1
Vinyl chloride	**70.1**		1.00		ug/L			02/08/17 06:15	1
Xylenes, Total	**304**		3.00		ug/L			02/08/17 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*02/08/17 06:15*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*02/09/17 18:21*	*5*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*02/08/17 06:15*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/09/17 18:21*	*5*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*02/08/17 06:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*02/09/17 18:21*	*5*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/08/17 06:15*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/09/17 18:21*	*5*

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-12
Date Collected: 02/03/17 12:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-11
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1250		ug/L			02/08/17 08:27	50
Benzene	ND		50.0		ug/L			02/08/17 08:27	50
Bromobenzene	ND		50.0		ug/L			02/08/17 08:27	50
Bromoform	ND		50.0		ug/L			02/08/17 08:27	50
Bromomethane	ND		50.0		ug/L			02/08/17 08:27	50
2-Butanone (MEK)	ND		2500		ug/L			02/08/17 08:27	50
Carbon disulfide	ND		50.0		ug/L			02/08/17 08:27	50
Carbon tetrachloride	ND		50.0		ug/L			02/08/17 08:27	50
Chlorobenzene	ND		50.0		ug/L			02/08/17 08:27	50
Chlorobromomethane	ND		50.0		ug/L			02/08/17 08:27	50
Chlorodibromomethane	ND		50.0		ug/L			02/08/17 08:27	50
Chloroethane	ND	*	50.0		ug/L			02/08/17 08:27	50
Chloroform	ND		50.0		ug/L			02/08/17 08:27	50
Chloromethane	ND	*	50.0		ug/L			02/08/17 08:27	50
2-Chlorotoluene	ND		50.0		ug/L			02/08/17 08:27	50
4-Chlorotoluene	ND		50.0		ug/L			02/08/17 08:27	50
cis-1,2-Dichloroethene	**738**		50.0		ug/L			02/08/17 08:27	50
cis-1,3-Dichloropropene	ND		50.0		ug/L			02/08/17 08:27	50
1,2-Dibromo-3-Chloropropane	ND		500		ug/L			02/08/17 08:27	50
Dibromomethane	ND		50.0		ug/L			02/08/17 08:27	50
1,2-Dichlorobenzene	ND		50.0		ug/L			02/08/17 08:27	50
1,3-Dichlorobenzene	ND		50.0		ug/L			02/08/17 08:27	50
1,4-Dichlorobenzene	ND		50.0		ug/L			02/08/17 08:27	50
Dichlorobromomethane	ND		50.0		ug/L			02/08/17 08:27	50
Dichlorodifluoromethane	ND	*	50.0		ug/L			02/08/17 08:27	50
1,1-Dichloroethane	ND		50.0		ug/L			02/08/17 08:27	50
1,2-Dichloroethane	ND		50.0		ug/L			02/08/17 08:27	50
1,1-Dichloroethene	ND		50.0		ug/L			02/08/17 08:27	50
1,2-Dichloropropane	ND		50.0		ug/L			02/08/17 08:27	50
1,3-Dichloropropane	ND		50.0		ug/L			02/08/17 08:27	50
2,2-Dichloropropane	ND		50.0		ug/L			02/08/17 08:27	50
1,1-Dichloropropene	ND		50.0		ug/L			02/08/17 08:27	50
Ethylbenzene	**885**		50.0		ug/L			02/08/17 08:27	50
Ethylene Dibromide	ND		50.0		ug/L			02/08/17 08:27	50
Hexachlorobutadiene	ND		100		ug/L			02/08/17 08:27	50
2-Hexanone	ND		500		ug/L			02/08/17 08:27	50
Isopropylbenzene	**176**		50.0		ug/L			02/08/17 08:27	50
4-Isopropyltoluene	ND		50.0		ug/L			02/08/17 08:27	50
Methylene Chloride	ND		250		ug/L			02/08/17 08:27	50
4-Methyl-2-pentanone (MIBK)	ND		500		ug/L			02/08/17 08:27	50
Methyl tert-butyl ether	ND		50.0		ug/L			02/08/17 08:27	50
Naphthalene	**764**		250		ug/L			02/08/17 08:27	50
n-Butylbenzene	ND		50.0		ug/L			02/08/17 08:27	50
N-Propylbenzene	**464**		50.0		ug/L			02/08/17 08:27	50
sec-Butylbenzene	ND		50.0		ug/L			02/08/17 08:27	50
Styrene	ND		50.0		ug/L			02/08/17 08:27	50
tert-Butylbenzene	ND		50.0		ug/L			02/08/17 08:27	50
1,1,1,2-Tetrachloroethane	ND		50.0		ug/L			02/08/17 08:27	50
1,1,2,2-Tetrachloroethane	ND		50.0		ug/L			02/08/17 08:27	50

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-12
Date Collected: 02/03/17 12:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-11
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**110**		50.0		ug/L			02/08/17 08:27	50
Toluene	ND		50.0		ug/L			02/08/17 08:27	50
trans-1,2-Dichloroethene	ND		50.0		ug/L			02/08/17 08:27	50
trans-1,3-Dichloropropene	ND		50.0		ug/L			02/08/17 08:27	50
1,2,3-Trichlorobenzene	ND		50.0		ug/L			02/08/17 08:27	50
1,2,4-Trichlorobenzene	ND		50.0		ug/L			02/08/17 08:27	50
1,1,1-Trichloroethane	ND		50.0		ug/L			02/08/17 08:27	50
1,1,2-Trichloroethane	ND		50.0		ug/L			02/08/17 08:27	50
Trichloroethene	**115**		50.0		ug/L			02/08/17 08:27	50
Trichlorofluoromethane	ND		50.0		ug/L			02/08/17 08:27	50
1,2,3-Trichloropropane	ND		50.0		ug/L			02/08/17 08:27	50
1,2,4-Trimethylbenzene	**6090**		50.0		ug/L			02/08/17 08:27	50
1,3,5-Trimethylbenzene	**1560**		50.0		ug/L			02/08/17 08:27	50
Vinyl chloride	ND		50.0		ug/L			02/08/17 08:27	50
Xylenes, Total	**5160**		150		ug/L			02/08/17 08:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/08/17 08:27*	*50*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*02/08/17 08:27*	*50*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*02/08/17 08:27*	*50*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 08:27*	*50*

Client Sample ID: MW-13

Date Collected: 02/03/17 11:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-12

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		125		ug/L			02/08/17 07:34	5
Benzene	ND		5.00		ug/L			02/08/17 07:34	5
Bromobenzene	ND		5.00		ug/L			02/08/17 07:34	5
Bromoform	ND		5.00		ug/L			02/08/17 07:34	5
Bromomethane	ND		5.00		ug/L			02/08/17 07:34	5
2-Butanone (MEK)	ND		250		ug/L			02/08/17 07:34	5
Carbon disulfide	ND		5.00		ug/L			02/08/17 07:34	5
Carbon tetrachloride	ND		5.00		ug/L			02/08/17 07:34	5
Chlorobenzene	ND		5.00		ug/L			02/08/17 07:34	5
Chlorobromomethane	ND		5.00		ug/L			02/08/17 07:34	5
Chlorodibromomethane	ND		5.00		ug/L			02/08/17 07:34	5
Chloroethane	ND	*	5.00		ug/L			02/08/17 07:34	5
Chloroform	ND		5.00		ug/L			02/08/17 07:34	5
Chloromethane	ND	*	5.00		ug/L			02/08/17 07:34	5
2-Chlorotoluene	ND		5.00		ug/L			02/08/17 07:34	5
4-Chlorotoluene	ND		5.00		ug/L			02/08/17 07:34	5
cis-1,2-Dichloroethene	**310**		5.00		ug/L			02/08/17 07:34	5
cis-1,3-Dichloropropene	ND		5.00		ug/L			02/08/17 07:34	5
1,2-Dibromo-3-Chloropropane	ND		50.0		ug/L			02/08/17 07:34	5
Dibromomethane	ND		5.00		ug/L			02/08/17 07:34	5
1,2-Dichlorobenzene	ND		5.00		ug/L			02/08/17 07:34	5
1,3-Dichlorobenzene	ND		5.00		ug/L			02/08/17 07:34	5
1,4-Dichlorobenzene	ND		5.00		ug/L			02/08/17 07:34	5
Dichlorobromomethane	ND		5.00		ug/L			02/08/17 07:34	5
Dichlorodifluoromethane	ND	*	5.00		ug/L			02/08/17 07:34	5
1,1-Dichloroethane	ND		5.00		ug/L			02/08/17 07:34	5
1,2-Dichloroethane	ND		5.00		ug/L			02/08/17 07:34	5
1,1-Dichloroethene	ND		5.00		ug/L			02/08/17 07:34	5
1,2-Dichloropropane	ND		5.00		ug/L			02/08/17 07:34	5
1,3-Dichloropropane	ND		5.00		ug/L			02/08/17 07:34	5
2,2-Dichloropropane	ND		5.00		ug/L			02/08/17 07:34	5
1,1-Dichloropropene	ND		5.00		ug/L			02/08/17 07:34	5
Ethylbenzene	**117**		5.00		ug/L			02/08/17 07:34	5
Ethylene Dibromide	ND		5.00		ug/L			02/08/17 07:34	5
Hexachlorobutadiene	ND		10.0		ug/L			02/08/17 07:34	5
2-Hexanone	ND		50.0		ug/L			02/08/17 07:34	5
Isopropylbenzene	**29.1**		5.00		ug/L			02/08/17 07:34	5
4-Isopropyltoluene	**27.5**		5.00		ug/L			02/08/17 07:34	5
Methylene Chloride	ND		25.0		ug/L			02/08/17 07:34	5
4-Methyl-2-pentanone (MIBK)	ND		50.0		ug/L			02/08/17 07:34	5
Methyl tert-butyl ether	ND		5.00		ug/L			02/08/17 07:34	5
Naphthalene	**76.1**		25.0		ug/L			02/08/17 07:34	5
n-Butylbenzene	ND		5.00		ug/L			02/08/17 07:34	5
N-Propylbenzene	**150**		5.00		ug/L			02/08/17 07:34	5
sec-Butylbenzene	**33.1**		5.00		ug/L			02/08/17 07:34	5
Styrene	ND		5.00		ug/L			02/08/17 07:34	5
tert-Butylbenzene	ND		5.00		ug/L			02/08/17 07:34	5
1,1,1,2-Tetrachloroethane	ND		5.00		ug/L			02/08/17 07:34	5
1,1,2,2-Tetrachloroethane	ND		5.00		ug/L			02/08/17 07:34	5

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: MW-13
Date Collected: 02/03/17 11:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-12
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**66.2**		5.00		ug/L			02/08/17 07:34	5
Toluene	**49.3**		5.00		ug/L			02/08/17 07:34	5
trans-1,2-Dichloroethene	ND		5.00		ug/L			02/08/17 07:34	5
trans-1,3-Dichloropropene	ND		5.00		ug/L			02/08/17 07:34	5
1,2,3-Trichlorobenzene	ND		5.00		ug/L			02/08/17 07:34	5
1,2,4-Trichlorobenzene	ND		5.00		ug/L			02/08/17 07:34	5
1,1,1-Trichloroethane	ND		5.00		ug/L			02/08/17 07:34	5
1,1,2-Trichloroethane	ND		5.00		ug/L			02/08/17 07:34	5
Trichloroethene	**39.9**		5.00		ug/L			02/08/17 07:34	5
Trichlorofluoromethane	ND		5.00		ug/L			02/08/17 07:34	5
1,2,3-Trichloropropane	ND		5.00		ug/L			02/08/17 07:34	5
1,2,4-Trimethylbenzene	**2420**		20.0		ug/L			02/08/17 19:20	20
1,3,5-Trimethylbenzene	**1050**		5.00		ug/L			02/08/17 07:34	5
Vinyl chloride	ND		5.00		ug/L			02/08/17 07:34	5
Xylenes, Total	**4370**		60.0		ug/L			02/08/17 19:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*02/08/17 07:34*	*5*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*02/08/17 19:20*	*20*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*02/08/17 07:34*	*5*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*02/08/17 19:20*	*20*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*02/08/17 07:34*	*5*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*02/08/17 19:20*	*20*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/08/17 07:34*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 19:20*	*20*

Client Sample ID: Trip Blank

Date Collected: 02/03/17 00:01
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 15:49	1
Benzene	ND		1.00		ug/L			02/08/17 00:59	1
Bromobenzene	ND		1.00		ug/L			02/08/17 00:59	1
Bromoform	ND		1.00		ug/L			02/08/17 00:59	1
Bromomethane	ND		1.00		ug/L			02/08/17 00:59	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 00:59	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 00:59	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 00:59	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 00:59	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 00:59	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 00:59	1
Chloroethane	ND	*	1.00		ug/L			02/08/17 00:59	1
Chloroform	ND		1.00		ug/L			02/08/17 00:59	1
Chloromethane	ND	*	1.00		ug/L			02/08/17 00:59	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 00:59	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 00:59	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 00:59	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 00:59	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 00:59	1
Dibromomethane	ND		1.00		ug/L			02/08/17 00:59	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 00:59	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 00:59	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 00:59	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 00:59	1
Dichlorodifluoromethane	ND	*	1.00		ug/L			02/08/17 00:59	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 00:59	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 00:59	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 00:59	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 00:59	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 00:59	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 00:59	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 00:59	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 00:59	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 00:59	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 00:59	1
2-Hexanone	ND		10.0		ug/L			02/08/17 00:59	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 00:59	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 00:59	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 00:59	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 00:59	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 00:59	1
Naphthalene	ND		5.00		ug/L			02/08/17 00:59	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 00:59	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 00:59	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 00:59	1
Styrene	ND		1.00		ug/L			02/08/17 00:59	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 00:59	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 00:59	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 00:59	1

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: Trip Blank
Date Collected: 02/03/17 00:01
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00		ug/L			02/08/17 00:59	1
Toluene	ND		1.00		ug/L			02/08/17 00:59	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 00:59	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 00:59	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 00:59	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 00:59	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 00:59	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 00:59	1
Trichloroethene	ND		1.00		ug/L			02/08/17 00:59	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 00:59	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 00:59	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 00:59	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 00:59	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 00:59	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*02/08/17 00:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*02/08/17 15:49*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*02/08/17 00:59*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*02/08/17 15:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*02/08/17 00:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*02/08/17 15:49*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/08/17 00:59*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/08/17 15:49*	*1*

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

Lab Sample ID: MB 490-406214/7
Matrix: Water
Analysis Batch: 406214

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 00:32	1
Benzene	ND		1.00		ug/L			02/08/17 00:32	1
Bromobenzene	ND		1.00		ug/L			02/08/17 00:32	1
Bromoform	ND		1.00		ug/L			02/08/17 00:32	1
Bromomethane	ND		1.00		ug/L			02/08/17 00:32	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 00:32	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 00:32	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 00:32	1
Chlorobenzene	ND		1.00		ug/L			02/08/17 00:32	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 00:32	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 00:32	1
Chloroethane	ND		1.00		ug/L			02/08/17 00:32	1
Chloroform	ND		1.00		ug/L			02/08/17 00:32	1
Chloromethane	ND		1.00		ug/L			02/08/17 00:32	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 00:32	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 00:32	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 00:32	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 00:32	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 00:32	1
Dibromomethane	ND		1.00		ug/L			02/08/17 00:32	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 00:32	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 00:32	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 00:32	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 00:32	1
Dichlorodifluoromethane	ND		1.00		ug/L			02/08/17 00:32	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 00:32	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 00:32	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 00:32	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 00:32	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 00:32	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 00:32	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 00:32	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 00:32	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 00:32	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 00:32	1
2-Hexanone	ND		10.0		ug/L			02/08/17 00:32	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 00:32	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 00:32	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 00:32	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 00:32	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 00:32	1
Naphthalene	ND		5.00		ug/L			02/08/17 00:32	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 00:32	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 00:32	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 00:32	1
Styrene	ND		1.00		ug/L			02/08/17 00:32	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 00:32	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 00:32	1

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

Lab Sample ID: MB 490-406214/7
Matrix: Water
Analysis Batch: 406214

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 00:32	1
Tetrachloroethene	ND		1.00		ug/L			02/08/17 00:32	1
Toluene	ND		1.00		ug/L			02/08/17 00:32	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 00:32	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 00:32	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 00:32	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 00:32	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 00:32	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 00:32	1
Trichloroethene	ND		1.00		ug/L			02/08/17 00:32	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 00:32	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 00:32	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 00:32	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 00:32	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 00:32	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 00:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*02/08/17 00:32*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*02/08/17 00:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*02/08/17 00:32*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/08/17 00:32*	*1*

Lab Sample ID: LCS 490-406214/3
Matrix: Water
Analysis Batch: 406214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	80.95		ug/L		81	54 - 145
Benzene	20.0	20.89		ug/L		104	80 - 121
Bromobenzene	20.0	17.12		ug/L		86	68 - 130
Bromoform	20.0	14.68		ug/L		73	46 - 145
Bromomethane	20.0	10.30		ug/L		52	41 - 150
2-Butanone (MEK)	100	81.03		ug/L		81	62 - 133
Carbon disulfide	20.0	18.99		ug/L		95	77 - 126
Carbon tetrachloride	20.0	20.66		ug/L		103	64 - 147
Chlorobenzene	20.0	19.94		ug/L		100	80 - 120
Chlorobromomethane	20.0	18.48		ug/L		92	78 - 129
Chlorodibromomethane	20.0	17.15		ug/L		86	69 - 133
Chloroethane	20.0	23.98		ug/L		120	72 - 120
Chloroform	20.0	20.15		ug/L		101	73 - 129
Chloromethane	20.0	31.82	*	ug/L		159	12 - 150
2-Chlorotoluene	20.0	16.98		ug/L		85	75 - 126
4-Chlorotoluene	20.0	18.47		ug/L		92	75 - 130
cis-1,2-Dichloroethene	20.0	19.41		ug/L		97	76 - 125
cis-1,3-Dichloropropene	20.0	16.86		ug/L		84	74 - 140
1,2-Dibromo-3-Chloropropane	20.0	14.09		ug/L		70	54 - 125
Dibromomethane	20.0	18.53		ug/L		93	71 - 125

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

Lab Sample ID: LCS 490-406214/3
Matrix: Water
Analysis Batch: 406214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	20.0	20.15		ug/L		101	80 - 121
1,3-Dichlorobenzene	20.0	20.25		ug/L		101	80 - 122
1,4-Dichlorobenzene	20.0	20.49		ug/L		102	80 - 120
Dichlorobromomethane	20.0	18.81		ug/L		94	75 - 129
Dichlorodifluoromethane	20.0	26.06	*	ug/L		130	37 - 127
1,1-Dichloroethane	20.0	19.61		ug/L		98	78 - 125
1,2-Dichloroethane	20.0	18.60		ug/L		93	77 - 121
1,1-Dichloroethene	20.0	18.82		ug/L		94	79 - 124
1,2-Dichloropropane	20.0	18.86		ug/L		94	75 - 120
1,3-Dichloropropane	20.0	17.09		ug/L		85	80 - 125
2,2-Dichloropropane	20.0	18.88		ug/L		94	43 - 161
1,1-Dichloropropene	20.0	20.41		ug/L		102	80 - 122
Ethylbenzene	20.0	19.13		ug/L		96	80 - 130
Ethylene Dibromide	20.0	18.00		ug/L		90	80 - 129
Hexachlorobutadiene	20.0	27.50		ug/L		137	49 - 146
2-Hexanone	100	64.41		ug/L		64	60 - 142
Isopropylbenzene	20.0	18.50		ug/L		92	80 - 141
4-Isopropyltoluene	20.0	20.43		ug/L		102	75 - 128
Methylene Chloride	20.0	19.65		ug/L		98	79 - 123
4-Methyl-2-pentanone (MIBK)	100	71.51		ug/L		72	60 - 137
Methyl tert-butyl ether	20.0	16.24		ug/L		81	72 - 133
Naphthalene	20.0	16.67		ug/L		83	62 - 138
n-Butylbenzene	20.0	21.54		ug/L		108	68 - 132
N-Propylbenzene	20.0	18.57		ug/L		93	75 - 129
sec-Butylbenzene	20.0	19.70		ug/L		99	76 - 128
Styrene	20.0	17.64		ug/L		88	80 - 127
tert-Butylbenzene	20.0	19.37		ug/L		97	76 - 126
1,1,1,2-Tetrachloroethane	20.0	18.79		ug/L		94	74 - 135
1,1,2,2-Tetrachloroethane	20.0	14.73		ug/L		74	69 - 131
Tetrachloroethene	20.0	22.23		ug/L		111	80 - 126
Toluene	20.0	19.89		ug/L		99	80 - 126
trans-1,2-Dichloroethene	20.0	20.69		ug/L		103	79 - 126
trans-1,3-Dichloropropene	20.0	16.03		ug/L		80	63 - 134
1,2,3-Trichlorobenzene	20.0	21.04		ug/L		105	62 - 133
1,2,4-Trichlorobenzene	20.0	21.52		ug/L		108	63 - 133
1,1,1-Trichloroethane	20.0	21.32		ug/L		107	78 - 135
1,1,2-Trichloroethane	20.0	17.69		ug/L		88	80 - 124
Trichloroethene	20.0	20.51		ug/L		103	80 - 123
Trichlorofluoromethane	20.0	21.73		ug/L		109	65 - 124
1,2,3-Trichloropropane	20.0	16.76		ug/L		84	70 - 131
1,2,4-Trimethylbenzene	20.0	19.16		ug/L		96	77 - 126
1,3,5-Trimethylbenzene	20.0	20.00		ug/L		100	77 - 127
Vinyl chloride	20.0	21.04		ug/L		105	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*

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

Lab Sample ID: LCS 490-406214/3
Matrix: Water
Analysis Batch: 406214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 490-406214/4
Matrix: Water
Analysis Batch: 406214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	74.79		ug/L		75	54 - 145	8	23
Benzene	20.0	20.37		ug/L		102	80 - 121	3	12
Bromobenzene	20.0	17.00		ug/L		85	68 - 130	1	16
Bromoform	20.0	14.88		ug/L		74	46 - 145	1	14
Bromomethane	20.0	10.10		ug/L		50	41 - 150	2	19
2-Butanone (MEK)	100	74.68		ug/L		75	62 - 133	8	19
Carbon disulfide	20.0	19.06		ug/L		95	77 - 126	0	16
Carbon tetrachloride	20.0	20.28		ug/L		101	64 - 147	2	16
Chlorobenzene	20.0	19.68		ug/L		98	80 - 120	1	12
Chlorobromomethane	20.0	18.60		ug/L		93	78 - 129	1	16
Chlorodibromomethane	20.0	17.10		ug/L		86	69 - 133	0	13
Chloroethane	20.0	19.75	*	ug/L		99	72 - 120	19	15
Chloroform	20.0	20.05		ug/L		100	73 - 129	0	14
Chloromethane	20.0	31.86	*	ug/L		159	12 - 150	0	20
2-Chlorotoluene	20.0	16.86		ug/L		84	75 - 126	1	15
4-Chlorotoluene	20.0	18.68		ug/L		93	75 - 130	1	15
cis-1,2-Dichloroethene	20.0	19.49		ug/L		97	76 - 125	0	15
cis-1,3-Dichloropropene	20.0	16.87		ug/L		84	74 - 140	0	15
1,2-Dibromo-3-Chloropropane	20.0	14.16		ug/L		71	54 - 125	0	19
Dibromomethane	20.0	18.88		ug/L		94	71 - 125	2	14
1,2-Dichlorobenzene	20.0	20.37		ug/L		102	80 - 121	1	12
1,3-Dichlorobenzene	20.0	20.17		ug/L		101	80 - 122	0	13
1,4-Dichlorobenzene	20.0	20.30		ug/L		101	80 - 120	1	12
Dichlorobromomethane	20.0	18.88		ug/L		94	75 - 129	0	14
Dichlorodifluoromethane	20.0	24.32		ug/L		122	37 - 127	7	16
1,1-Dichloroethane	20.0	19.62		ug/L		98	78 - 125	0	17
1,2-Dichloroethane	20.0	18.64		ug/L		93	77 - 121	0	13
1,1-Dichloroethene	20.0	18.49		ug/L		92	79 - 124	2	20
1,2-Dichloropropane	20.0	18.58		ug/L		93	75 - 120	1	15
1,3-Dichloropropane	20.0	17.44		ug/L		87	80 - 125	2	12
2,2-Dichloropropane	20.0	18.59		ug/L		93	43 - 161	2	20
1,1-Dichloropropene	20.0	19.89		ug/L		99	80 - 122	3	16
Ethylbenzene	20.0	19.02		ug/L		95	80 - 130	1	12
Ethylene Dibromide	20.0	17.44		ug/L		87	80 - 129	3	13
Hexachlorobutadiene	20.0	27.65		ug/L		138	49 - 146	1	16
2-Hexanone	100	64.32		ug/L		64	60 - 142	0	17
Isopropylbenzene	20.0	18.49		ug/L		92	80 - 141	0	13
4-Isopropyltoluene	20.0	21.09		ug/L		105	75 - 128	3	13
Methylene Chloride	20.0	19.73		ug/L		99	79 - 123	0	15
4-Methyl-2-pentanone (MIBK)	100	69.91		ug/L		70	60 - 137	2	21
Methyl tert-butyl ether	20.0	16.38		ug/L		82	72 - 133	1	16

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

Lab Sample ID: LCSD 490-406214/4
Matrix: Water
Analysis Batch: 406214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			20.0	16.42		ug/L		82	62 - 138	2	15
n-Butylbenzene			20.0	21.63		ug/L		108	68 - 132	0	14
N-Propylbenzene			20.0	18.00		ug/L		90	75 - 129	3	14
sec-Butylbenzene			20.0	20.42		ug/L		102	76 - 128	4	14
Styrene			20.0	17.54		ug/L		88	80 - 127	1	12
tert-Butylbenzene			20.0	19.93		ug/L		100	76 - 126	3	14
1,1,1,2-Tetrachloroethane			20.0	18.44		ug/L		92	74 - 135	2	13
1,1,2,2-Tetrachloroethane			20.0	14.58		ug/L		73	69 - 131	1	15
Tetrachloroethene			20.0	21.54		ug/L		108	80 - 126	3	17
Toluene			20.0	19.90		ug/L		100	80 - 126	0	13
trans-1,2-Dichloroethene			20.0	19.75		ug/L		99	79 - 126	5	15
trans-1,3-Dichloropropene			20.0	16.03		ug/L		80	63 - 134	0	13
1,2,3-Trichlorobenzene			20.0	21.35		ug/L		107	62 - 133	1	16
1,2,4-Trichlorobenzene			20.0	22.09		ug/L		110	63 - 133	3	15
1,1,1-Trichloroethane			20.0	20.72		ug/L		104	78 - 135	3	15
1,1,2-Trichloroethane			20.0	17.89		ug/L		89	80 - 124	1	13
Trichloroethene			20.0	19.69		ug/L		98	80 - 123	4	14
Trichlorofluoromethane			20.0	20.21		ug/L		101	65 - 124	7	22
1,2,3-Trichloropropane			20.0	15.37		ug/L		77	70 - 131	9	14
1,2,4-Trimethylbenzene			20.0	19.83		ug/L		99	77 - 126	3	13
1,3,5-Trimethylbenzene			20.0	19.43		ug/L		97	77 - 127	3	14
Vinyl chloride			20.0	22.97		ug/L		115	68 - 120	9	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 490-121390-11 MS
Matrix: Ground Water
Analysis Batch: 406214

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		12500	8734		ug/L		70	39 - 150
Benzene	ND		2500	2545		ug/L		102	55 - 147
Bromobenzene	ND		2500	2240		ug/L		90	60 - 133
Bromoform	ND		2500	1931		ug/L		77	53 - 150
Bromomethane	ND		2500	1151		ug/L		46	30 - 150
2-Butanone (MEK)	ND		12500	9444		ug/L		76	50 - 143
Carbon disulfide	ND		2500	2083		ug/L		83	35 - 150
Carbon tetrachloride	ND		2500	2566		ug/L		103	56 - 150
Chlorobenzene	ND		2500	2528		ug/L		101	70 - 130
Chlorobromomethane	ND		2500	2248		ug/L		90	59 - 132
Chlorodibromomethane	ND		2500	2146		ug/L		86	66 - 140
Chloroethane	ND	*	2500	2833		ug/L		113	58 - 141
Chloroform	ND		2500	2534		ug/L		101	66 - 138
Chloromethane	ND	*	2500	2812		ug/L		112	10 - 150

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

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

Lab Sample ID: 490-121390-11 MS
Matrix: Ground Water
Analysis Batch: 406214

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	ND		2500	2631		ug/L		105	67 - 138
4-Chlorotoluene	ND		2500	2437		ug/L		97	69 - 138
cis-1,2-Dichloroethene	738		2500	3161		ug/L		97	68 - 131
cis-1,3-Dichloropropene	ND		2500	2142		ug/L		86	70 - 133
1,2-Dibromo-3-Chloropropane	ND		2500	1832		ug/L		73	38 - 138
Dibromomethane	ND		2500	2333		ug/L		93	70 - 130
1,2-Dichlorobenzene	ND		2500	2521		ug/L		101	70 - 130
1,3-Dichlorobenzene	ND		2500	2589		ug/L		104	68 - 131
1,4-Dichlorobenzene	ND		2500	2548		ug/L		102	70 - 130
Dichlorobromomethane	ND		2500	2396		ug/L		96	70 - 140
Dichlorodifluoromethane	ND	*	2500	2770		ug/L		111	10 - 150
1,1-Dichloroethane	ND		2500	2444		ug/L		98	61 - 139
1,2-Dichloroethane	ND		2500	2236		ug/L		89	64 - 136
1,1-Dichloroethene	ND		2500	2376		ug/L		95	54 - 150
1,2-Dichloropropane	ND		2500	2383		ug/L		95	67 - 130
1,3-Dichloropropane	ND		2500	2167		ug/L		87	70 - 130
2,2-Dichloropropane	ND		2500	2122		ug/L		85	50 - 146
1,1-Dichloropropene	ND		2500	2578		ug/L		103	54 - 150
Ethylbenzene	885		2500	3270		ug/L		95	65 - 139
Ethylene Dibromide	ND		2500	2219		ug/L		89	65 - 137
Hexachlorobutadiene	ND		2500	3443		ug/L		138	61 - 141
2-Hexanone	ND		12500	8130		ug/L		65	44 - 150
Isopropylbenzene	176		2500	2636		ug/L		98	70 - 137
4-Isopropyltoluene	ND		2500	2767		ug/L		110	66 - 137
Methylene Chloride	ND		2500	2424		ug/L		97	64 - 130
4-Methyl-2-pentanone (MIBK)	ND		12500	8956		ug/L		72	50 - 140
Methyl tert-butyl ether	ND		2500	2031		ug/L		81	55 - 141
Naphthalene	764		2500	2921		ug/L		86	32 - 150
n-Butylbenzene	ND		2500	3016		ug/L		121	61 - 141
N-Propylbenzene	464		2500	2936		ug/L		99	53 - 150
sec-Butylbenzene	ND		2500	2780		ug/L		110	55 - 136
Styrene	ND		2500	2307		ug/L		92	70 - 130
tert-Butylbenzene	ND		2500	2695		ug/L		108	70 - 138
1,1,1,2-Tetrachloroethane	ND		2500	2362		ug/L		94	70 - 130
1,1,2,2-Tetrachloroethane	ND		2500	1967		ug/L		79	56 - 145
Tetrachloroethene	110		2500	2813		ug/L		108	57 - 138
Toluene	ND		2500	2531		ug/L		101	64 - 136
trans-1,2-Dichloroethene	ND		2500	2432		ug/L		97	59 - 143
trans-1,3-Dichloropropene	ND		2500	2030		ug/L		81	63 - 142
1,2,3-Trichlorobenzene	ND		2500	2519		ug/L		101	36 - 150
1,2,4-Trichlorobenzene	ND		2500	2786		ug/L		111	47 - 147
1,1,1-Trichloroethane	ND		2500	2580		ug/L		103	68 - 144
1,1,2-Trichloroethane	ND		2500	2225		ug/L		89	70 - 130
Trichloroethene	115		2500	2593		ug/L		99	63 - 135
Trichlorofluoromethane	ND		2500	2938		ug/L		118	44 - 150
1,2,3-Trichloropropane	ND		2500	1970		ug/L		79	65 - 131
1,2,4-Trimethylbenzene	6090		2500	8399		ug/L		92	64 - 136
1,3,5-Trimethylbenzene	1560		2500	4005		ug/L		98	69 - 139

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

Lab Sample ID: 490-121390-11 MS
Matrix: Ground Water
Analysis Batch: 406214

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	ND		2500	2548		ug/L		102	57 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 490-121390-11 MSD
Matrix: Ground Water
Analysis Batch: 406214

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		12500	9903		ug/L		79	39 - 150	13	21
Benzene	ND		2500	2515		ug/L		101	55 - 147	1	17
Bromobenzene	ND		2500	2310		ug/L		92	60 - 133	3	20
Bromoform	ND		2500	1943		ug/L		78	53 - 150	1	16
Bromomethane	ND		2500	1256		ug/L		50	30 - 150	9	50
2-Butanone (MEK)	ND		12500	9536		ug/L		76	50 - 143	1	19
Carbon disulfide	ND		2500	2114		ug/L		85	35 - 150	1	21
Carbon tetrachloride	ND		2500	2564		ug/L		103	56 - 150	0	19
Chlorobenzene	ND		2500	2504		ug/L		100	70 - 130	1	14
Chlorobromomethane	ND		2500	2155		ug/L		86	59 - 132	4	17
Chlorodibromomethane	ND		2500	2179		ug/L		87	66 - 140	2	15
Chloroethane	ND	*	2500	2751		ug/L		110	58 - 141	3	20
Chloroform	ND		2500	2484		ug/L		99	66 - 138	2	18
Chloromethane	ND	*	2500	2811		ug/L		112	10 - 150	0	31
2-Chlorotoluene	ND		2500	2713		ug/L		109	67 - 138	3	17
4-Chlorotoluene	ND		2500	2495		ug/L		100	69 - 138	2	18
cis-1,2-Dichloroethene	738		2500	3169		ug/L		97	68 - 131	0	17
cis-1,3-Dichloropropene	ND		2500	2140		ug/L		86	70 - 133	0	15
1,2-Dibromo-3-Chloropropane	ND		2500	1918		ug/L		77	38 - 138	5	24
Dibromomethane	ND		2500	2292		ug/L		92	70 - 130	2	16
1,2-Dichlorobenzene	ND		2500	2514		ug/L		101	70 - 130	0	15
1,3-Dichlorobenzene	ND		2500	2570		ug/L		103	68 - 131	1	15
1,4-Dichlorobenzene	ND		2500	2557		ug/L		102	70 - 130	0	15
Dichlorobromomethane	ND		2500	2395		ug/L		96	70 - 140	0	18
Dichlorodifluoromethane	ND	*	2500	2651		ug/L		106	10 - 150	4	18
1,1-Dichloroethane	ND		2500	2428		ug/L		97	61 - 139	1	17
1,2-Dichloroethane	ND		2500	2124		ug/L		85	64 - 136	5	17
1,1-Dichloroethene	ND		2500	2343		ug/L		94	54 - 150	1	17
1,2-Dichloropropane	ND		2500	2343		ug/L		94	67 - 130	2	17
1,3-Dichloropropane	ND		2500	2165		ug/L		87	70 - 130	0	14
2,2-Dichloropropane	ND		2500	2063		ug/L		83	50 - 146	3	18
1,1-Dichloropropene	ND		2500	2555		ug/L		102	54 - 150	1	17
Ethylbenzene	885		2500	3251		ug/L		95	65 - 139	1	15
Ethylene Dibromide	ND		2500	2211		ug/L		88	65 - 137	0	15
Hexachlorobutadiene	ND		2500	3398		ug/L		136	61 - 141	1	23

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

Lab Sample ID: 490-121390-11 MSD
Matrix: Ground Water
Analysis Batch: 406214

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone	ND		12500	7906		ug/L		63	44 - 150	3	15
Isopropylbenzene	176		2500	2597		ug/L		97	70 - 137	1	16
4-Isopropyltoluene	ND		2500	2758		ug/L		110	66 - 137	0	16
Methylene Chloride	ND		2500	2373		ug/L		95	64 - 130	2	17
4-Methyl-2-pentanone (MIBK)	ND		12500	8822		ug/L		71	50 - 140	2	17
Methyl tert-butyl ether	ND		2500	1984		ug/L		79	55 - 141	2	16
Naphthalene	764		2500	2968		ug/L		88	32 - 150	2	26
n-Butylbenzene	ND		2500	2949		ug/L		118	61 - 141	2	18
N-Propylbenzene	464		2500	3004		ug/L		102	53 - 150	2	17
sec-Butylbenzene	ND		2500	2765		ug/L		110	55 - 136	1	16
Styrene	ND		2500	2283		ug/L		91	70 - 130	1	24
tert-Butylbenzene	ND		2500	2683		ug/L		107	70 - 138	0	16
1,1,1,2-Tetrachloroethane	ND		2500	2358		ug/L		94	70 - 130	0	16
1,1,2,2-Tetrachloroethane	ND		2500	1952		ug/L		78	56 - 145	1	20
Tetrachloroethene	110		2500	2814		ug/L		108	57 - 138	0	16
Toluene	ND		2500	2524		ug/L		100	64 - 136	0	15
trans-1,2-Dichloroethene	ND		2500	2409		ug/L		96	59 - 143	1	16
trans-1,3-Dichloropropene	ND		2500	2007		ug/L		80	63 - 142	1	14
1,2,3-Trichlorobenzene	ND		2500	2652		ug/L		106	36 - 150	5	25
1,2,4-Trichlorobenzene	ND		2500	2823		ug/L		113	47 - 147	1	19
1,1,1-Trichloroethane	ND		2500	2534		ug/L		101	68 - 144	2	17
1,1,2-Trichloroethane	ND		2500	2224		ug/L		89	70 - 130	0	15
Trichloroethene	115		2500	2568		ug/L		98	63 - 135	1	17
Trichlorofluoromethane	ND		2500	2921		ug/L		117	44 - 150	1	18
1,2,3-Trichloropropane	ND		2500	2081		ug/L		83	65 - 131	5	19
1,2,4-Trimethylbenzene	6090		2500	8342		ug/L		90	64 - 136	1	16
1,3,5-Trimethylbenzene	1560		2500	4227		ug/L		107	69 - 139	5	17
Vinyl chloride	ND		2500	2681		ug/L		107	57 - 150	5	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 490-406439/7
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/08/17 13:10	1
Benzene	ND		1.00		ug/L			02/08/17 13:10	1
Bromobenzene	ND		1.00		ug/L			02/08/17 13:10	1
Bromoform	ND		1.00		ug/L			02/08/17 13:10	1
Bromomethane	ND		1.00		ug/L			02/08/17 13:10	1
2-Butanone (MEK)	ND		50.0		ug/L			02/08/17 13:10	1
Carbon disulfide	ND		1.00		ug/L			02/08/17 13:10	1
Carbon tetrachloride	ND		1.00		ug/L			02/08/17 13:10	1

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

Lab Sample ID: MB 490-406439/7
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.00		ug/L			02/08/17 13:10	1
Chlorobromomethane	ND		1.00		ug/L			02/08/17 13:10	1
Chlorodibromomethane	ND		1.00		ug/L			02/08/17 13:10	1
Chloroethane	ND		1.00		ug/L			02/08/17 13:10	1
Chloroform	ND		1.00		ug/L			02/08/17 13:10	1
Chloromethane	ND		1.00		ug/L			02/08/17 13:10	1
2-Chlorotoluene	ND		1.00		ug/L			02/08/17 13:10	1
4-Chlorotoluene	ND		1.00		ug/L			02/08/17 13:10	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 13:10	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 13:10	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/08/17 13:10	1
Dibromomethane	ND		1.00		ug/L			02/08/17 13:10	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/08/17 13:10	1
1,3-Dichlorobenzene	ND		1.00		ug/L			02/08/17 13:10	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/08/17 13:10	1
Dichlorobromomethane	ND		1.00		ug/L			02/08/17 13:10	1
Dichlorodifluoromethane	ND		1.00		ug/L			02/08/17 13:10	1
1,1-Dichloroethane	ND		1.00		ug/L			02/08/17 13:10	1
1,2-Dichloroethane	ND		1.00		ug/L			02/08/17 13:10	1
1,1-Dichloroethene	ND		1.00		ug/L			02/08/17 13:10	1
1,2-Dichloropropane	ND		1.00		ug/L			02/08/17 13:10	1
1,3-Dichloropropane	ND		1.00		ug/L			02/08/17 13:10	1
2,2-Dichloropropane	ND		1.00		ug/L			02/08/17 13:10	1
1,1-Dichloropropene	ND		1.00		ug/L			02/08/17 13:10	1
Ethylbenzene	ND		1.00		ug/L			02/08/17 13:10	1
Ethylene Dibromide	ND		1.00		ug/L			02/08/17 13:10	1
Hexachlorobutadiene	ND		2.00		ug/L			02/08/17 13:10	1
2-Hexanone	ND		10.0		ug/L			02/08/17 13:10	1
Isopropylbenzene	ND		1.00		ug/L			02/08/17 13:10	1
4-Isopropyltoluene	ND		1.00		ug/L			02/08/17 13:10	1
Methylene Chloride	ND		5.00		ug/L			02/08/17 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/08/17 13:10	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/08/17 13:10	1
Naphthalene	ND		5.00		ug/L			02/08/17 13:10	1
n-Butylbenzene	ND		1.00		ug/L			02/08/17 13:10	1
N-Propylbenzene	ND		1.00		ug/L			02/08/17 13:10	1
sec-Butylbenzene	ND		1.00		ug/L			02/08/17 13:10	1
Styrene	ND		1.00		ug/L			02/08/17 13:10	1
tert-Butylbenzene	ND		1.00		ug/L			02/08/17 13:10	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 13:10	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/08/17 13:10	1
Tetrachloroethene	ND		1.00		ug/L			02/08/17 13:10	1
Toluene	ND		1.00		ug/L			02/08/17 13:10	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/08/17 13:10	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/08/17 13:10	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/08/17 13:10	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/08/17 13:10	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/08/17 13:10	1

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

Lab Sample ID: MB 490-406439/7
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.00		ug/L			02/08/17 13:10	1
Trichloroethene	ND		1.00		ug/L			02/08/17 13:10	1
Trichlorofluoromethane	ND		1.00		ug/L			02/08/17 13:10	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/08/17 13:10	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/08/17 13:10	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/08/17 13:10	1
Vinyl chloride	ND		1.00		ug/L			02/08/17 13:10	1
Xylenes, Total	ND		3.00		ug/L			02/08/17 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*02/08/17 13:10*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/08/17 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*02/08/17 13:10*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/08/17 13:10*	*1*

Lab Sample ID: LCS 490-406439/3
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	81.66		ug/L		82	54 - 145
Benzene	20.0	20.85		ug/L		104	80 - 121
Bromobenzene	20.0	17.75		ug/L		89	68 - 130
Bromoform	20.0	14.13		ug/L		71	46 - 145
Bromomethane	20.0	10.83		ug/L		54	41 - 150
2-Butanone (MEK)	100	77.81		ug/L		78	62 - 133
Carbon disulfide	20.0	20.56		ug/L		103	77 - 126
Carbon tetrachloride	20.0	18.95		ug/L		95	64 - 147
Chlorobenzene	20.0	19.90		ug/L		100	80 - 120
Chlorobromomethane	20.0	17.75		ug/L		89	78 - 129
Chlorodibromomethane	20.0	16.67		ug/L		83	69 - 133
Chloroethane	20.0	23.84		ug/L		119	72 - 120
Chloroform	20.0	19.59		ug/L		98	73 - 129
Chloromethane	20.0	27.93		ug/L		140	12 - 150
2-Chlorotoluene	20.0	18.31		ug/L		92	75 - 126
4-Chlorotoluene	20.0	20.22		ug/L		101	75 - 130
cis-1,2-Dichloroethene	20.0	19.19		ug/L		96	76 - 125
cis-1,3-Dichloropropene	20.0	17.56		ug/L		88	74 - 140
1,2-Dibromo-3-Chloropropane	20.0	14.10		ug/L		70	54 - 125
Dibromomethane	20.0	18.39		ug/L		92	71 - 125
1,2-Dichlorobenzene	20.0	20.49		ug/L		102	80 - 121
1,3-Dichlorobenzene	20.0	20.36		ug/L		102	80 - 122
1,4-Dichlorobenzene	20.0	20.94		ug/L		105	80 - 120
Dichlorobromomethane	20.0	18.55		ug/L		93	75 - 129
Dichlorodifluoromethane	20.0	23.88		ug/L		119	37 - 127
1,1-Dichloroethane	20.0	19.44		ug/L		97	78 - 125
1,2-Dichloroethane	20.0	18.54		ug/L		93	77 - 121
1,1-Dichloroethene	20.0	18.70		ug/L		93	79 - 124

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

Lab Sample ID: LCS 490-406439/3
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	20.0	19.77		ug/L		99	75 - 120
1,3-Dichloropropane	20.0	18.40		ug/L		92	80 - 125
2,2-Dichloropropane	20.0	19.58		ug/L		98	43 - 161
1,1-Dichloropropene	20.0	20.14		ug/L		101	80 - 122
Ethylbenzene	20.0	19.69		ug/L		98	80 - 130
Ethylene Dibromide	20.0	18.57		ug/L		93	80 - 129
Hexachlorobutadiene	20.0	27.29		ug/L		136	49 - 146
2-Hexanone	100	72.63		ug/L		73	60 - 142
Isopropylbenzene	20.0	18.91		ug/L		95	80 - 141
4-Isopropyltoluene	20.0	21.52		ug/L		108	75 - 128
Methylene Chloride	20.0	19.96		ug/L		100	79 - 123
4-Methyl-2-pentanone (MIBK)	100	78.21		ug/L		78	60 - 137
Methyl tert-butyl ether	20.0	17.19		ug/L		86	72 - 133
Naphthalene	20.0	17.96		ug/L		90	62 - 138
n-Butylbenzene	20.0	22.67		ug/L		113	68 - 132
N-Propylbenzene	20.0	19.28		ug/L		96	75 - 129
sec-Butylbenzene	20.0	20.99		ug/L		105	76 - 128
Styrene	20.0	18.13		ug/L		91	80 - 127
tert-Butylbenzene	20.0	20.51		ug/L		103	76 - 126
1,1,1,2-Tetrachloroethane	20.0	18.12		ug/L		91	74 - 135
1,1,2,2-Tetrachloroethane	20.0	16.15		ug/L		81	69 - 131
Tetrachloroethene	20.0	21.63		ug/L		108	80 - 126
Toluene	20.0	20.74		ug/L		104	80 - 126
trans-1,2-Dichloroethene	20.0	20.22		ug/L		101	79 - 126
trans-1,3-Dichloropropene	20.0	16.81		ug/L		84	63 - 134
1,2,3-Trichlorobenzene	20.0	21.34		ug/L		107	62 - 133
1,2,4-Trichlorobenzene	20.0	22.45		ug/L		112	63 - 133
1,1,1-Trichloroethane	20.0	18.79		ug/L		94	78 - 135
1,1,2-Trichloroethane	20.0	19.02		ug/L		95	80 - 124
Trichloroethene	20.0	19.76		ug/L		99	80 - 123
Trichlorofluoromethane	20.0	21.76		ug/L		109	65 - 124
1,2,3-Trichloropropane	20.0	17.37		ug/L		87	70 - 131
1,2,4-Trimethylbenzene	20.0	20.58		ug/L		103	77 - 126
1,3,5-Trimethylbenzene	20.0	20.88		ug/L		104	77 - 127
Vinyl chloride	20.0	21.85		ug/L		109	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 490-406439/4
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	92.21		ug/L		92	54 - 145	12	23

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

Lab Sample ID: LCSD 490-406439/4
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	20.0	21.42		ug/L		107	80 - 121	3	12
Bromobenzene	20.0	18.13		ug/L		91	68 - 130	2	16
Bromoform	20.0	14.68		ug/L		73	46 - 145	4	14
Bromomethane	20.0	11.16		ug/L		56	41 - 150	3	19
2-Butanone (MEK)	100	83.86		ug/L		84	62 - 133	7	19
Carbon disulfide	20.0	20.90		ug/L		105	77 - 126	2	16
Carbon tetrachloride	20.0	18.01		ug/L		90	64 - 147	5	16
Chlorobenzene	20.0	20.23		ug/L		101	80 - 120	2	12
Chlorobromomethane	20.0	18.46		ug/L		92	78 - 129	4	16
Chlorodibromomethane	20.0	16.86		ug/L		84	69 - 133	1	13
Chloroethane	20.0	23.70		ug/L		118	72 - 120	1	15
Chloroform	20.0	19.53		ug/L		98	73 - 129	0	14
Chloromethane	20.0	26.64		ug/L		133	12 - 150	5	20
2-Chlorotoluene	20.0	17.90		ug/L		89	75 - 126	2	15
4-Chlorotoluene	20.0	19.93		ug/L		100	75 - 130	1	15
cis-1,2-Dichloroethene	20.0	20.58		ug/L		103	76 - 125	7	15
cis-1,3-Dichloropropene	20.0	18.24		ug/L		91	74 - 140	4	15
1,2-Dibromo-3-Chloropropane	20.0	14.66		ug/L		73	54 - 125	4	19
Dibromomethane	20.0	19.30		ug/L		97	71 - 125	5	14
1,2-Dichlorobenzene	20.0	20.25		ug/L		101	80 - 121	1	12
1,3-Dichlorobenzene	20.0	20.68		ug/L		103	80 - 122	2	13
1,4-Dichlorobenzene	20.0	20.83		ug/L		104	80 - 120	1	12
Dichlorobromomethane	20.0	19.16		ug/L		96	75 - 129	3	14
Dichlorodifluoromethane	20.0	26.40	*	ug/L		132	37 - 127	10	16
1,1-Dichloroethane	20.0	20.48		ug/L		102	78 - 125	5	17
1,2-Dichloroethane	20.0	18.47		ug/L		92	77 - 121	0	13
1,1-Dichloroethene	20.0	18.92		ug/L		95	79 - 124	1	20
1,2-Dichloropropane	20.0	19.83		ug/L		99	75 - 120	0	15
1,3-Dichloropropane	20.0	18.40		ug/L		92	80 - 125	0	12
2,2-Dichloropropane	20.0	20.64		ug/L		103	43 - 161	5	20
1,1-Dichloropropene	20.0	18.40		ug/L		92	80 - 122	9	16
Ethylbenzene	20.0	20.01		ug/L		100	80 - 130	2	12
Ethylene Dibromide	20.0	18.38		ug/L		92	80 - 129	1	13
Hexachlorobutadiene	20.0	26.53		ug/L		133	49 - 146	3	16
2-Hexanone	100	72.90		ug/L		73	60 - 142	0	17
Isopropylbenzene	20.0	19.23		ug/L		96	80 - 141	2	13
4-Isopropyltoluene	20.0	21.58		ug/L		108	75 - 128	0	13
Methylene Chloride	20.0	19.60		ug/L		98	79 - 123	2	15
4-Methyl-2-pentanone (MIBK)	100	79.40		ug/L		79	60 - 137	2	21
Methyl tert-butyl ether	20.0	17.71		ug/L		89	72 - 133	3	16
Naphthalene	20.0	17.92		ug/L		90	62 - 138	0	15
n-Butylbenzene	20.0	23.06		ug/L		115	68 - 132	2	14
N-Propylbenzene	20.0	19.62		ug/L		98	75 - 129	2	14
sec-Butylbenzene	20.0	21.44		ug/L		107	76 - 128	2	14
Styrene	20.0	18.67		ug/L		93	80 - 127	3	12
tert-Butylbenzene	20.0	21.29		ug/L		106	76 - 126	4	14
1,1,1,2-Tetrachloroethane	20.0	18.13		ug/L		91	74 - 135	0	13
1,1,2,2-Tetrachloroethane	20.0	16.48		ug/L		82	69 - 131	2	15

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

Lab Sample ID: LCSD 490-406439/4
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene			20.0	21.86		ug/L		109	80 - 126	1	17
Toluene			20.0	20.82		ug/L		104	80 - 126	0	13
trans-1,2-Dichloroethene			20.0	20.72		ug/L		104	79 - 126	2	15
trans-1,3-Dichloropropene			20.0	16.62		ug/L		83	63 - 134	1	13
1,2,3-Trichlorobenzene			20.0	21.67		ug/L		108	62 - 133	2	16
1,2,4-Trichlorobenzene			20.0	22.96		ug/L		115	63 - 133	2	15
1,1,1-Trichloroethane			20.0	18.80		ug/L		94	78 - 135	0	15
1,1,2-Trichloroethane			20.0	18.58		ug/L		93	80 - 124	2	13
Trichloroethene			20.0	20.14		ug/L		101	80 - 123	2	14
Trichlorofluoromethane			20.0	21.84		ug/L		109	65 - 124	0	22
1,2,3-Trichloropropane			20.0	17.18		ug/L		86	70 - 131	1	14
1,2,4-Trimethylbenzene			20.0	20.44		ug/L		102	77 - 126	1	13
1,3,5-Trimethylbenzene			20.0	20.76		ug/L		104	77 - 127	1	14
Vinyl chloride			20.0	22.40		ug/L		112	68 - 120	2	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 490-121320-B-2 MS
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		12500	8781		ug/L		70	39 - 150
Benzene	ND		2500	2553		ug/L		102	55 - 147
Bromobenzene	ND		2500	2281		ug/L		91	60 - 133
Bromoform	ND		2500	2019		ug/L		81	53 - 150
Bromomethane	ND		2500	1411		ug/L		56	30 - 150
2-Butanone (MEK)	ND		12500	10140		ug/L		81	50 - 143
Carbon disulfide	ND		2500	2081		ug/L		83	35 - 150
Carbon tetrachloride	ND		2500	2558		ug/L		102	56 - 150
Chlorobenzene	ND		2500	2555		ug/L		102	70 - 130
Chlorobromomethane	ND		2500	2276		ug/L		91	59 - 132
Chlorodibromomethane	ND		2500	2220		ug/L		89	66 - 140
Chloroethane	ND		2500	2804		ug/L		112	58 - 141
Chloroform	ND		2500	2557		ug/L		102	66 - 138
Chloromethane	ND		2500	2687		ug/L		107	10 - 150
2-Chlorotoluene	ND		2500	2279		ug/L		91	67 - 138
4-Chlorotoluene	ND		2500	2446		ug/L		98	69 - 138
cis-1,2-Dichloroethene	ND		2500	2428		ug/L		97	68 - 131
cis-1,3-Dichloropropene	ND		2500	2261		ug/L		90	70 - 133
1,2-Dibromo-3-Chloropropane	ND		2500	1846		ug/L		74	38 - 138
Dibromomethane	ND		2500	2376		ug/L		95	70 - 130
1,2-Dichlorobenzene	ND		2500	2549		ug/L		102	70 - 130
1,3-Dichlorobenzene	ND		2500	2570		ug/L		103	68 - 131

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

Lab Sample ID: 490-121320-B-2 MS
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND		2500	2626		ug/L		105	70 - 130
Dichlorobromomethane	ND		2500	2451		ug/L		98	70 - 140
Dichlorodifluoromethane	ND	*	2500	2998		ug/L		120	10 - 150
1,1-Dichloroethane	ND		2500	2472		ug/L		99	61 - 139
1,2-Dichloroethane	ND		2500	2129		ug/L		85	64 - 136
1,1-Dichloroethene	ND		2500	2361		ug/L		94	54 - 150
1,2-Dichloropropane	ND		2500	2419		ug/L		97	67 - 130
1,3-Dichloropropane	ND		2500	2246		ug/L		90	70 - 130
2,2-Dichloropropane	ND		2500	2576		ug/L		103	50 - 146
1,1-Dichloropropene	ND		2500	2574		ug/L		103	54 - 150
Ethylbenzene	ND		2500	2476		ug/L		99	65 - 139
Ethylene Dibromide	ND		2500	2270		ug/L		91	65 - 137
Hexachlorobutadiene	ND	F1	2500	3461		ug/L		138	61 - 141
2-Hexanone	ND		12500	8599		ug/L		69	44 - 150
Isopropylbenzene	ND		2500	2462		ug/L		98	70 - 137
4-Isopropyltoluene	ND		2500	2747		ug/L		110	66 - 137
Methylene Chloride	ND		2500	2434		ug/L		97	64 - 130
4-Methyl-2-pentanone (MIBK)	ND		12500	9601		ug/L		77	50 - 140
Methyl tert-butyl ether	ND		2500	2153		ug/L		86	55 - 141
Naphthalene	ND		2500	2138		ug/L		86	32 - 150
n-Butylbenzene	ND		2500	2950		ug/L		118	61 - 141
N-Propylbenzene	ND		2500	2528		ug/L		101	53 - 150
sec-Butylbenzene	ND		2500	2731		ug/L		109	55 - 136
Styrene	ND		2500	2327		ug/L		93	70 - 130
tert-Butylbenzene	ND		2500	2639		ug/L		106	70 - 138
1,1,1,2-Tetrachloroethane	ND		2500	2367		ug/L		95	70 - 130
1,1,2,2-Tetrachloroethane	ND		2500	2055		ug/L		82	56 - 145
Tetrachloroethene	ND		2500	2738		ug/L		110	57 - 138
Toluene	ND		2500	2559		ug/L		102	64 - 136
trans-1,2-Dichloroethene	ND		2500	2392		ug/L		96	59 - 143
trans-1,3-Dichloropropene	ND		2500	2151		ug/L		86	63 - 142
1,2,3-Trichlorobenzene	ND		2500	2554		ug/L		102	36 - 150
1,2,4-Trichlorobenzene	ND		2500	2807		ug/L		112	47 - 147
1,1,1-Trichloroethane	ND		2500	2609		ug/L		104	68 - 144
1,1,2-Trichloroethane	ND		2500	2408		ug/L		96	70 - 130
Trichloroethene	77.4		2500	2550		ug/L		99	63 - 135
Trichlorofluoromethane	2330		2500	4390		ug/L		82	44 - 150
1,2,3-Trichloropropane	ND		2500	2156		ug/L		86	65 - 131
1,2,4-Trimethylbenzene	ND		2500	2518		ug/L		101	64 - 136
1,3,5-Trimethylbenzene	ND		2500	2575		ug/L		103	69 - 139
Vinyl chloride	ND		2500	2541		ug/L		102	57 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: 490-121320-B-2 MSD
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		12500	8630		ug/L		69	39 - 150	2	21
Benzene	ND		2500	2528		ug/L		101	55 - 147	1	17
Bromobenzene	ND		2500	2379		ug/L		95	60 - 133	4	20
Bromoform	ND		2500	1993		ug/L		80	53 - 150	1	16
Bromomethane	ND		2500	1521		ug/L		61	30 - 150	8	50
2-Butanone (MEK)	ND		12500	9860		ug/L		79	50 - 143	3	19
Carbon disulfide	ND		2500	1996		ug/L		80	35 - 150	4	21
Carbon tetrachloride	ND		2500	2466		ug/L		99	56 - 150	4	19
Chlorobenzene	ND		2500	2530		ug/L		101	70 - 130	1	14
Chlorobromomethane	ND		2500	2292		ug/L		92	59 - 132	1	17
Chlorodibromomethane	ND		2500	2208		ug/L		88	66 - 140	1	15
Chloroethane	ND		2500	2777		ug/L		111	58 - 141	1	20
Chloroform	ND		2500	2557		ug/L		102	66 - 138	0	18
Chloromethane	ND		2500	2800		ug/L		112	10 - 150	4	31
2-Chlorotoluene	ND		2500	2313		ug/L		93	67 - 138	1	17
4-Chlorotoluene	ND		2500	2521		ug/L		101	69 - 138	3	18
cis-1,2-Dichloroethene	ND		2500	2467		ug/L		99	68 - 131	2	17
cis-1,3-Dichloropropene	ND		2500	2254		ug/L		90	70 - 133	0	15
1,2-Dibromo-3-Chloropropane	ND		2500	1953		ug/L		78	38 - 138	6	24
Dibromomethane	ND		2500	2387		ug/L		95	70 - 130	0	16
1,2-Dichlorobenzene	ND		2500	2601		ug/L		104	70 - 130	2	15
1,3-Dichlorobenzene	ND		2500	2551		ug/L		102	68 - 131	1	15
1,4-Dichlorobenzene	ND		2500	2583		ug/L		103	70 - 130	2	15
Dichlorobromomethane	ND		2500	2455		ug/L		98	70 - 140	0	18
Dichlorodifluoromethane	ND	*	2500	2519		ug/L		101	10 - 150	17	18
1,1-Dichloroethane	ND		2500	2506		ug/L		100	61 - 139	1	17
1,2-Dichloroethane	ND		2500	2177		ug/L		87	64 - 136	2	17
1,1-Dichloroethene	ND		2500	2284		ug/L		91	54 - 150	3	17
1,2-Dichloropropane	ND		2500	2434		ug/L		97	67 - 130	1	17
1,3-Dichloropropane	ND		2500	2248		ug/L		90	70 - 130	0	14
2,2-Dichloropropane	ND		2500	2561		ug/L		102	50 - 146	1	18
1,1-Dichloropropene	ND		2500	2523		ug/L		101	54 - 150	2	17
Ethylbenzene	ND		2500	2444		ug/L		98	65 - 139	1	15
Ethylene Dibromide	ND		2500	2306		ug/L		92	65 - 137	2	15
Hexachlorobutadiene	ND	F1	2500	3594	F1	ug/L		144	61 - 141	4	23
2-Hexanone	ND		12500	8713		ug/L		70	44 - 150	1	15
Isopropylbenzene	ND		2500	2444		ug/L		98	70 - 137	1	16
4-Isopropyltoluene	ND		2500	2744		ug/L		110	66 - 137	0	16
Methylene Chloride	ND		2500	2394		ug/L		96	64 - 130	2	17
4-Methyl-2-pentanone (MIBK)	ND		12500	9592		ug/L		77	50 - 140	0	17
Methyl tert-butyl ether	ND		2500	2174		ug/L		87	55 - 141	1	16
Naphthalene	ND		2500	2324		ug/L		93	32 - 150	8	26
n-Butylbenzene	ND		2500	2998		ug/L		120	61 - 141	2	18
N-Propylbenzene	ND		2500	2553		ug/L		102	53 - 150	1	17
sec-Butylbenzene	ND		2500	2747		ug/L		110	55 - 136	1	16
Styrene	ND		2500	2312		ug/L		92	70 - 130	1	24
tert-Butylbenzene	ND		2500	2692		ug/L		108	70 - 138	2	16
1,1,1,2-Tetrachloroethane	ND		2500	2404		ug/L		96	70 - 130	2	16

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

Lab Sample ID: 490-121320-B-2 MSD
Matrix: Water
Analysis Batch: 406439

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	ND		2500	2138		ug/L		86	56 - 145	4	20
Tetrachloroethene	ND		2500	2674		ug/L		107	57 - 138	2	16
Toluene	ND		2500	2518		ug/L		101	64 - 136	2	15
trans-1,2-Dichloroethene	ND		2500	2386		ug/L		95	59 - 143	0	16
trans-1,3-Dichloropropene	ND		2500	2145		ug/L		86	63 - 142	0	14
1,2,3-Trichlorobenzene	ND		2500	2712		ug/L		108	36 - 150	6	25
1,2,4-Trichlorobenzene	ND		2500	2894		ug/L		116	47 - 147	3	19
1,1,1-Trichloroethane	ND		2500	2577		ug/L		103	68 - 144	1	17
1,1,2-Trichloroethane	ND		2500	2374		ug/L		95	70 - 130	1	15
Trichloroethene	77.4		2500	2478		ug/L		96	63 - 135	3	17
Trichlorofluoromethane	2330		2500	4230		ug/L		76	44 - 150	4	18
1,2,3-Trichloropropane	ND		2500	2256		ug/L		90	65 - 131	5	19
1,2,4-Trimethylbenzene	ND		2500	2565		ug/L		103	64 - 136	2	16
1,3,5-Trimethylbenzene	ND		2500	2616		ug/L		105	69 - 139	2	17
Vinyl chloride	ND		2500	2460		ug/L		98	57 - 150	3	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 490-406697/7
Matrix: Water
Analysis Batch: 406697

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			02/09/17 12:39	1
Benzene	ND		1.00		ug/L			02/09/17 12:39	1
Bromobenzene	ND		1.00		ug/L			02/09/17 12:39	1
Bromoform	ND		1.00		ug/L			02/09/17 12:39	1
Bromomethane	ND		1.00		ug/L			02/09/17 12:39	1
2-Butanone (MEK)	ND		50.0		ug/L			02/09/17 12:39	1
Carbon disulfide	ND		1.00		ug/L			02/09/17 12:39	1
Carbon tetrachloride	ND		1.00		ug/L			02/09/17 12:39	1
Chlorobenzene	ND		1.00		ug/L			02/09/17 12:39	1
Chlorobromomethane	ND		1.00		ug/L			02/09/17 12:39	1
Chlorodibromomethane	ND		1.00		ug/L			02/09/17 12:39	1
Chloroethane	ND		1.00		ug/L			02/09/17 12:39	1
Chloroform	ND		1.00		ug/L			02/09/17 12:39	1
Chloromethane	ND		1.00		ug/L			02/09/17 12:39	1
2-Chlorotoluene	ND		1.00		ug/L			02/09/17 12:39	1
4-Chlorotoluene	ND		1.00		ug/L			02/09/17 12:39	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			02/09/17 12:39	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			02/09/17 12:39	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			02/09/17 12:39	1
Dibromomethane	ND		1.00		ug/L			02/09/17 12:39	1
1,2-Dichlorobenzene	ND		1.00		ug/L			02/09/17 12:39	1

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

Lab Sample ID: MB 490-406697/7
Matrix: Water
Analysis Batch: 406697

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.00		ug/L			02/09/17 12:39	1
1,4-Dichlorobenzene	ND		1.00		ug/L			02/09/17 12:39	1
Dichlorobromomethane	ND		1.00		ug/L			02/09/17 12:39	1
Dichlorodifluoromethane	ND		1.00		ug/L			02/09/17 12:39	1
1,1-Dichloroethane	ND		1.00		ug/L			02/09/17 12:39	1
1,2-Dichloroethane	ND		1.00		ug/L			02/09/17 12:39	1
1,1-Dichloroethene	ND		1.00		ug/L			02/09/17 12:39	1
1,2-Dichloropropane	ND		1.00		ug/L			02/09/17 12:39	1
1,3-Dichloropropane	ND		1.00		ug/L			02/09/17 12:39	1
2,2-Dichloropropane	ND		1.00		ug/L			02/09/17 12:39	1
1,1-Dichloropropene	ND		1.00		ug/L			02/09/17 12:39	1
Ethylbenzene	ND		1.00		ug/L			02/09/17 12:39	1
Ethylene Dibromide	ND		1.00		ug/L			02/09/17 12:39	1
Hexachlorobutadiene	ND		2.00		ug/L			02/09/17 12:39	1
2-Hexanone	ND		10.0		ug/L			02/09/17 12:39	1
Isopropylbenzene	ND		1.00		ug/L			02/09/17 12:39	1
4-Isopropyltoluene	ND		1.00		ug/L			02/09/17 12:39	1
Methylene Chloride	ND		5.00		ug/L			02/09/17 12:39	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			02/09/17 12:39	1
Methyl tert-butyl ether	ND		1.00		ug/L			02/09/17 12:39	1
Naphthalene	ND		5.00		ug/L			02/09/17 12:39	1
n-Butylbenzene	ND		1.00		ug/L			02/09/17 12:39	1
N-Propylbenzene	ND		1.00		ug/L			02/09/17 12:39	1
sec-Butylbenzene	ND		1.00		ug/L			02/09/17 12:39	1
Styrene	ND		1.00		ug/L			02/09/17 12:39	1
tert-Butylbenzene	ND		1.00		ug/L			02/09/17 12:39	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			02/09/17 12:39	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			02/09/17 12:39	1
Tetrachloroethene	ND		1.00		ug/L			02/09/17 12:39	1
Toluene	ND		1.00		ug/L			02/09/17 12:39	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			02/09/17 12:39	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			02/09/17 12:39	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			02/09/17 12:39	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			02/09/17 12:39	1
1,1,1-Trichloroethane	ND		1.00		ug/L			02/09/17 12:39	1
1,1,2-Trichloroethane	ND		1.00		ug/L			02/09/17 12:39	1
Trichloroethene	ND		1.00		ug/L			02/09/17 12:39	1
Trichlorofluoromethane	ND		1.00		ug/L			02/09/17 12:39	1
1,2,3-Trichloropropane	ND		1.00		ug/L			02/09/17 12:39	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			02/09/17 12:39	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			02/09/17 12:39	1
Vinyl chloride	ND		1.00		ug/L			02/09/17 12:39	1
Xylenes, Total	ND		3.00		ug/L			02/09/17 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/09/17 12:39*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*02/09/17 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*02/09/17 12:39*	*1*

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

Lab Sample ID: MB 490-406697/7
Matrix: Water
Analysis Batch: 406697

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		02/09/17 12:39	1

Lab Sample ID: LCS 490-406697/3
Matrix: Water
Analysis Batch: 406697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	83.94		ug/L		84	54 - 145
Benzene	20.0	21.06		ug/L		105	80 - 121
Bromobenzene	20.0	18.62		ug/L		93	68 - 130
Bromoform	20.0	15.28		ug/L		76	46 - 145
Bromomethane	20.0	15.50		ug/L		77	41 - 150
2-Butanone (MEK)	100	80.55		ug/L		81	62 - 133
Carbon disulfide	20.0	21.13		ug/L		106	77 - 126
Carbon tetrachloride	20.0	19.92		ug/L		100	64 - 147
Chlorobenzene	20.0	20.66		ug/L		103	80 - 120
Chlorobromomethane	20.0	17.94		ug/L		90	78 - 129
Chlorodibromomethane	20.0	17.22		ug/L		86	69 - 133
Chloroethane	20.0	23.81		ug/L		119	72 - 120
Chloroform	20.0	19.89		ug/L		99	73 - 129
Chloromethane	20.0	26.08		ug/L		130	12 - 150
2-Chlorotoluene	20.0	18.96		ug/L		95	75 - 126
4-Chlorotoluene	20.0	20.57		ug/L		103	75 - 130
cis-1,2-Dichloroethene	20.0	20.76		ug/L		104	76 - 125
cis-1,3-Dichloropropene	20.0	17.96		ug/L		90	74 - 140
1,2-Dibromo-3-Chloropropane	20.0	14.27		ug/L		71	54 - 125
Dibromomethane	20.0	18.33		ug/L		92	71 - 125
1,2-Dichlorobenzene	20.0	20.40		ug/L		102	80 - 121
1,3-Dichlorobenzene	20.0	20.82		ug/L		104	80 - 122
1,4-Dichlorobenzene	20.0	20.99		ug/L		105	80 - 120
Dichlorobromomethane	20.0	19.00		ug/L		95	75 - 129
Dichlorodifluoromethane	20.0	24.10		ug/L		120	37 - 127
1,1-Dichloroethane	20.0	20.24		ug/L		101	78 - 125
1,2-Dichloroethane	20.0	17.63		ug/L		88	77 - 121
1,1-Dichloroethene	20.0	18.61		ug/L		93	79 - 124
1,2-Dichloropropane	20.0	19.64		ug/L		98	75 - 120
1,3-Dichloropropane	20.0	18.61		ug/L		93	80 - 125
2,2-Dichloropropane	20.0	19.21		ug/L		96	43 - 161
1,1-Dichloropropene	20.0	20.72		ug/L		104	80 - 122
Ethylbenzene	20.0	20.25		ug/L		101	80 - 130
Ethylene Dibromide	20.0	18.15		ug/L		91	80 - 129
Hexachlorobutadiene	20.0	25.17		ug/L		126	49 - 146
2-Hexanone	100	70.48		ug/L		70	60 - 142
Isopropylbenzene	20.0	19.57		ug/L		98	80 - 141
4-Isopropyltoluene	20.0	21.20		ug/L		106	75 - 128
Methylene Chloride	20.0	19.37		ug/L		97	79 - 123
4-Methyl-2-pentanone (MIBK)	100	76.37		ug/L		76	60 - 137
Methyl tert-butyl ether	20.0	16.70		ug/L		83	72 - 133

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

Lab Sample ID: LCS 490-406697/3
Matrix: Water
Analysis Batch: 406697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	20.0	17.31		ug/L		87	62 - 138
n-Butylbenzene	20.0	21.72		ug/L		109	68 - 132
N-Propylbenzene	20.0	20.13		ug/L		101	75 - 129
sec-Butylbenzene	20.0	21.33		ug/L		107	76 - 128
Styrene	20.0	18.72		ug/L		94	80 - 127
tert-Butylbenzene	20.0	21.30		ug/L		107	76 - 126
1,1,1,2-Tetrachloroethane	20.0	19.15		ug/L		96	74 - 135
1,1,2,2-Tetrachloroethane	20.0	16.61		ug/L		83	69 - 131
Tetrachloroethene	20.0	22.41		ug/L		112	80 - 126
Toluene	20.0	21.42		ug/L		107	80 - 126
trans-1,2-Dichloroethene	20.0	20.56		ug/L		103	79 - 126
trans-1,3-Dichloropropene	20.0	17.05		ug/L		85	63 - 134
1,2,3-Trichlorobenzene	20.0	20.15		ug/L		101	62 - 133
1,2,4-Trichlorobenzene	20.0	21.17		ug/L		106	63 - 133
1,1,1-Trichloroethane	20.0	20.23		ug/L		101	78 - 135
1,1,2-Trichloroethane	20.0	18.84		ug/L		94	80 - 124
Trichloroethene	20.0	19.99		ug/L		100	80 - 123
Trichlorofluoromethane	20.0	19.16		ug/L		96	65 - 124
1,2,3-Trichloropropane	20.0	16.79		ug/L		84	70 - 131
1,2,4-Trimethylbenzene	20.0	20.42		ug/L		102	77 - 126
1,3,5-Trimethylbenzene	20.0	21.50		ug/L		107	77 - 127
Vinyl chloride	20.0	21.48		ug/L		107	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-406697/4
Matrix: Water
Analysis Batch: 406697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	82.49		ug/L		82	54 - 145	2	23
Benzene	20.0	21.42		ug/L		107	80 - 121	2	12
Bromobenzene	20.0	18.85		ug/L		94	68 - 130	1	16
Bromoform	20.0	14.88		ug/L		74	46 - 145	3	14
Bromomethane	20.0	15.98		ug/L		80	41 - 150	3	19
2-Butanone (MEK)	100	74.30		ug/L		74	62 - 133	8	19
Carbon disulfide	20.0	21.27		ug/L		106	77 - 126	1	16
Carbon tetrachloride	20.0	19.84		ug/L		99	64 - 147	0	16
Chlorobenzene	20.0	20.38		ug/L		102	80 - 120	1	12
Chlorobromomethane	20.0	18.38		ug/L		92	78 - 129	2	16
Chlorodibromomethane	20.0	17.06		ug/L		85	69 - 133	1	13
Chloroethane	20.0	24.34	*	ug/L		122	72 - 120	2	15
Chloroform	20.0	20.59		ug/L		103	73 - 129	3	14
Chloromethane	20.0	26.80		ug/L		134	12 - 150	3	20

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

Lab Sample ID: LCSD 490-406697/4
Matrix: Water
Analysis Batch: 406697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	20.0	18.68		ug/L		93	75 - 126	1	15
4-Chlorotoluene	20.0	20.21		ug/L		101	75 - 130	2	15
cis-1,2-Dichloroethene	20.0	19.96		ug/L		100	76 - 125	4	15
cis-1,3-Dichloropropene	20.0	17.97		ug/L		90	74 - 140	0	15
1,2-Dibromo-3-Chloropropane	20.0	14.51		ug/L		73	54 - 125	2	19
Dibromomethane	20.0	18.16		ug/L		91	71 - 125	1	14
1,2-Dichlorobenzene	20.0	20.24		ug/L		101	80 - 121	1	12
1,3-Dichlorobenzene	20.0	21.18		ug/L		106	80 - 122	2	13
1,4-Dichlorobenzene	20.0	21.17		ug/L		106	80 - 120	1	12
Dichlorobromomethane	20.0	18.99		ug/L		95	75 - 129	0	14
Dichlorodifluoromethane	20.0	22.95		ug/L		115	37 - 127	5	16
1,1-Dichloroethane	20.0	20.65		ug/L		103	78 - 125	2	17
1,2-Dichloroethane	20.0	18.45		ug/L		92	77 - 121	5	13
1,1-Dichloroethene	20.0	18.96		ug/L		95	79 - 124	2	20
1,2-Dichloropropane	20.0	19.78		ug/L		99	75 - 120	1	15
1,3-Dichloropropane	20.0	17.95		ug/L		90	80 - 125	4	12
2,2-Dichloropropane	20.0	19.66		ug/L		98	43 - 161	2	20
1,1-Dichloropropene	20.0	20.83		ug/L		104	80 - 122	1	16
Ethylbenzene	20.0	20.24		ug/L		101	80 - 130	0	12
Ethylene Dibromide	20.0	18.20		ug/L		91	80 - 129	0	13
Hexachlorobutadiene	20.0	28.64		ug/L		143	49 - 146	13	16
2-Hexanone	100	69.02		ug/L		69	60 - 142	2	17
Isopropylbenzene	20.0	19.73		ug/L		99	80 - 141	1	13
4-Isopropyltoluene	20.0	22.56		ug/L		113	75 - 128	6	13
Methylene Chloride	20.0	19.62		ug/L		98	79 - 123	1	15
4-Methyl-2-pentanone (MIBK)	100	73.81		ug/L		74	60 - 137	3	21
Methyl tert-butyl ether	20.0	16.72		ug/L		84	72 - 133	0	16
Naphthalene	20.0	17.51		ug/L		88	62 - 138	1	15
n-Butylbenzene	20.0	23.56		ug/L		118	68 - 132	8	14
N-Propylbenzene	20.0	20.47		ug/L		102	75 - 129	2	14
sec-Butylbenzene	20.0	21.75		ug/L		109	76 - 128	2	14
Styrene	20.0	18.81		ug/L		94	80 - 127	0	12
tert-Butylbenzene	20.0	21.18		ug/L		106	76 - 126	1	14
1,1,1,2-Tetrachloroethane	20.0	18.39		ug/L		92	74 - 135	4	13
1,1,2,2-Tetrachloroethane	20.0	16.36		ug/L		82	69 - 131	2	15
Tetrachloroethene	20.0	22.32		ug/L		112	80 - 126	0	17
Toluene	20.0	21.11		ug/L		106	80 - 126	1	13
trans-1,2-Dichloroethene	20.0	20.89		ug/L		104	79 - 126	2	15
trans-1,3-Dichloropropene	20.0	16.82		ug/L		84	63 - 134	1	13
1,2,3-Trichlorobenzene	20.0	21.34		ug/L		107	62 - 133	6	16
1,2,4-Trichlorobenzene	20.0	22.68		ug/L		113	63 - 133	7	15
1,1,1-Trichloroethane	20.0	20.24		ug/L		101	78 - 135	0	15
1,1,2-Trichloroethane	20.0	18.62		ug/L		93	80 - 124	1	13
Trichloroethene	20.0	20.11		ug/L		101	80 - 123	1	14
Trichlorofluoromethane	20.0	19.63		ug/L		98	65 - 124	2	22
1,2,3-Trichloropropane	20.0	16.74		ug/L		84	70 - 131	0	14
1,2,4-Trimethylbenzene	20.0	20.27		ug/L		101	77 - 126	1	13
1,3,5-Trimethylbenzene	20.0	20.99		ug/L		105	77 - 127	2	14

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

Lab Sample ID: LCSD 490-406697/4
Matrix: Water
Analysis Batch: 406697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			20.0	22.31		ug/L		112	68 - 120	4	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 490-121390-9 MS
Matrix: Ground Water
Analysis Batch: 406697

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		1250	912.8		ug/L		73	39 - 150
Benzene	ND		250	282.3		ug/L		113	55 - 147
Bromobenzene	ND		250	242.2		ug/L		97	60 - 133
Bromoform	ND		250	205.5		ug/L		82	53 - 150
Bromomethane	ND		250	165.9		ug/L		66	30 - 150
2-Butanone (MEK)	ND		1250	972.4		ug/L		78	50 - 143
Carbon disulfide	ND		250	296.0		ug/L		118	35 - 150
Carbon tetrachloride	ND		250	275.6		ug/L		110	56 - 150
Chlorobenzene	ND		250	265.4		ug/L		106	70 - 130
Chlorobromomethane	ND		250	249.4		ug/L		100	59 - 132
Chlorodibromomethane	ND		250	224.0		ug/L		90	66 - 140
Chloroethane	ND	*	250	317.0		ug/L		127	58 - 141
Chloroform	ND		250	272.3		ug/L		109	66 - 138
Chloromethane	ND		250	265.4		ug/L		106	10 - 150
2-Chlorotoluene	ND		250	247.3		ug/L		99	67 - 138
4-Chlorotoluene	ND		250	266.0		ug/L		106	69 - 138
cis-1,2-Dichloroethene	ND		250	270.2		ug/L		107	68 - 131
cis-1,3-Dichloropropene	ND		250	232.7		ug/L		93	70 - 133
1,2-Dibromo-3-Chloropropane	ND		250	188.1		ug/L		75	38 - 138
Dibromomethane	ND		250	257.7		ug/L		103	70 - 130
1,2-Dichlorobenzene	ND		250	272.6		ug/L		109	70 - 130
1,3-Dichlorobenzene	ND		250	270.4		ug/L		108	68 - 131
1,4-Dichlorobenzene	ND		250	273.8		ug/L		110	70 - 130
Dichlorobromomethane	ND		250	252.7		ug/L		101	70 - 140
Dichlorodifluoromethane	ND		250	331.8		ug/L		133	10 - 150
1,1-Dichloroethane	ND		250	266.9		ug/L		107	61 - 139
1,2-Dichloroethane	ND		250	232.7		ug/L		93	64 - 136
1,1-Dichloroethene	ND		250	273.2		ug/L		109	54 - 150
1,2-Dichloropropane	ND		250	255.3		ug/L		102	67 - 130
1,3-Dichloropropane	ND		250	228.7		ug/L		91	70 - 130
2,2-Dichloropropane	ND		250	267.9		ug/L		107	50 - 146
1,1-Dichloropropene	ND		250	287.5		ug/L		115	54 - 150
Ethylbenzene	ND		250	263.0		ug/L		105	65 - 139
Ethylene Dibromide	ND		250	228.6		ug/L		91	65 - 137
Hexachlorobutadiene	ND	F1	250	364.7	F1	ug/L		146	61 - 141

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

Lab Sample ID: 490-121390-9 MS
Matrix: Ground Water
Analysis Batch: 406697

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	ND		1250	828.0		ug/L		66	44 - 150
Isopropylbenzene	ND		250	259.9		ug/L		104	70 - 137
4-Isopropyltoluene	ND		250	289.7		ug/L		116	66 - 137
Methylene Chloride	ND		250	264.5		ug/L		106	64 - 130
4-Methyl-2-pentanone (MIBK)	ND		1250	935.6		ug/L		75	50 - 140
Methyl tert-butyl ether	ND		250	218.4		ug/L		87	55 - 141
Naphthalene	ND		250	227.8		ug/L		91	32 - 150
n-Butylbenzene	ND		250	314.0		ug/L		126	61 - 141
N-Propylbenzene	ND		250	273.4		ug/L		109	53 - 150
sec-Butylbenzene	ND		250	289.4		ug/L		116	55 - 136
Styrene	ND		250	242.8		ug/L		97	70 - 130
tert-Butylbenzene	ND		250	285.0		ug/L		114	70 - 138
1,1,1,2-Tetrachloroethane	ND		250	247.8		ug/L		99	70 - 130
1,1,2,2-Tetrachloroethane	ND		250	212.3		ug/L		85	56 - 145
Tetrachloroethene	544		250	815.6		ug/L		109	57 - 138
Toluene	ND		250	274.3		ug/L		110	64 - 136
trans-1,2-Dichloroethene	ND		250	282.6		ug/L		113	59 - 143
trans-1,3-Dichloropropene	ND		250	220.6		ug/L		88	63 - 142
1,2,3-Trichlorobenzene	ND		250	269.9		ug/L		108	36 - 150
1,2,4-Trichlorobenzene	ND		250	292.3		ug/L		117	47 - 147
1,1,1-Trichloroethane	ND		250	282.0		ug/L		113	68 - 144
1,1,2-Trichloroethane	ND		250	236.7		ug/L		95	70 - 130
Trichloroethene	ND		250	271.2		ug/L		107	63 - 135
Trichlorofluoromethane	ND		250	258.0		ug/L		103	44 - 150
1,2,3-Trichloropropane	ND		250	213.1		ug/L		85	65 - 131
1,2,4-Trimethylbenzene	ND		250	271.1		ug/L		108	64 - 136
1,3,5-Trimethylbenzene	ND		250	277.4		ug/L		111	69 - 139
Vinyl chloride	ND		250	299.9		ug/L		120	57 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 490-121390-9 MSD
Matrix: Ground Water
Analysis Batch: 406697

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		1250	880.2		ug/L		70	39 - 150	4	21
Benzene	ND		250	279.7		ug/L		112	55 - 147	1	17
Bromobenzene	ND		250	241.3		ug/L		97	60 - 133	0	20
Bromoform	ND		250	206.5		ug/L		83	53 - 150	1	16
Bromomethane	ND		250	191.5		ug/L		77	30 - 150	14	50
2-Butanone (MEK)	ND		1250	995.1		ug/L		80	50 - 143	2	19
Carbon disulfide	ND		250	298.4		ug/L		119	35 - 150	1	21
Carbon tetrachloride	ND		250	277.5		ug/L		111	56 - 150	1	19

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

Lab Sample ID: 490-121390-9 MSD
Matrix: Ground Water
Analysis Batch: 406697

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	ND		250	267.8		ug/L		107	70 - 130	1	14
Chlorobromomethane	ND		250	246.0		ug/L		98	59 - 132	1	17
Chlorodibromomethane	ND		250	224.7		ug/L		90	66 - 140	0	15
Chloroethane	ND	*	250	320.2		ug/L		128	58 - 141	1	20
Chloroform	ND		250	273.7		ug/L		109	66 - 138	1	18
Chloromethane	ND		250	276.8		ug/L		111	10 - 150	4	31
2-Chlorotoluene	ND		250	238.7		ug/L		95	67 - 138	4	17
4-Chlorotoluene	ND		250	258.8		ug/L		104	69 - 138	3	18
cis-1,2-Dichloroethene	ND		250	267.0		ug/L		106	68 - 131	1	17
cis-1,3-Dichloropropene	ND		250	233.5		ug/L		93	70 - 133	0	15
1,2-Dibromo-3-Chloropropane	ND		250	194.7		ug/L		78	38 - 138	3	24
Dibromomethane	ND		250	252.6		ug/L		101	70 - 130	2	16
1,2-Dichlorobenzene	ND		250	271.2		ug/L		108	70 - 130	1	15
1,3-Dichlorobenzene	ND		250	274.0		ug/L		110	68 - 131	1	15
1,4-Dichlorobenzene	ND		250	272.5		ug/L		109	70 - 130	0	15
Dichlorobromomethane	ND		250	253.8		ug/L		102	70 - 140	0	18
Dichlorodifluoromethane	ND		250	332.8		ug/L		133	10 - 150	0	18
1,1-Dichloroethane	ND		250	265.9		ug/L		106	61 - 139	0	17
1,2-Dichloroethane	ND		250	231.5		ug/L		93	64 - 136	1	17
1,1-Dichloroethene	ND		250	271.0		ug/L		108	54 - 150	1	17
1,2-Dichloropropane	ND		250	254.4		ug/L		102	67 - 130	0	17
1,3-Dichloropropane	ND		250	231.0		ug/L		92	70 - 130	1	14
2,2-Dichloropropane	ND		250	269.0		ug/L		108	50 - 146	0	18
1,1-Dichloropropene	ND		250	288.4		ug/L		115	54 - 150	0	17
Ethylbenzene	ND		250	264.0		ug/L		106	65 - 139	0	15
Ethylene Dibromide	ND		250	233.7		ug/L		93	65 - 137	2	15
Hexachlorobutadiene	ND	F1	250	372.9	F1	ug/L		149	61 - 141	2	23
2-Hexanone	ND		1250	847.4		ug/L		68	44 - 150	2	15
Isopropylbenzene	ND		250	260.3		ug/L		104	70 - 137	0	16
4-Isopropyltoluene	ND		250	294.7		ug/L		118	66 - 137	2	16
Methylene Chloride	ND		250	234.5		ug/L		94	64 - 130	12	17
4-Methyl-2-pentanone (MIBK)	ND		1250	941.5		ug/L		75	50 - 140	1	17
Methyl tert-butyl ether	ND		250	220.9		ug/L		88	55 - 141	1	16
Naphthalene	ND		250	233.1		ug/L		93	32 - 150	2	26
n-Butylbenzene	ND		250	308.6		ug/L		123	61 - 141	2	18
N-Propylbenzene	ND		250	269.3		ug/L		108	53 - 150	2	17
sec-Butylbenzene	ND		250	293.7		ug/L		117	55 - 136	1	16
Styrene	ND		250	243.6		ug/L		97	70 - 130	0	24
tert-Butylbenzene	ND		250	284.6		ug/L		114	70 - 138	0	16
1,1,1,2-Tetrachloroethane	ND		250	247.3		ug/L		99	70 - 130	0	16
1,1,2,2-Tetrachloroethane	ND		250	208.3		ug/L		83	56 - 145	2	20
Tetrachloroethene	544		250	810.7		ug/L		107	57 - 138	1	16
Toluene	ND		250	275.1		ug/L		110	64 - 136	0	15
trans-1,2-Dichloroethene	ND		250	280.5		ug/L		112	59 - 143	1	16
trans-1,3-Dichloropropene	ND		250	223.7		ug/L		89	63 - 142	1	14
1,2,3-Trichlorobenzene	ND		250	286.1		ug/L		114	36 - 150	6	25
1,2,4-Trichlorobenzene	ND		250	294.3		ug/L		118	47 - 147	1	19
1,1,1-Trichloroethane	ND		250	283.4		ug/L		113	68 - 144	1	17

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

Lab Sample ID: 490-121390-9 MSD
Matrix: Ground Water
Analysis Batch: 406697

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND		250	240.0		ug/L		96	70 - 130	1	15
Trichloroethene	ND		250	277.3		ug/L		109	63 - 135	2	17
Trichlorofluoromethane	ND		250	248.5		ug/L		99	44 - 150	4	18
1,2,3-Trichloropropane	ND		250	217.1		ug/L		87	65 - 131	2	19
1,2,4-Trimethylbenzene	ND		250	274.4		ug/L		110	64 - 136	1	16
1,3,5-Trimethylbenzene	ND		250	274.4		ug/L		110	69 - 139	1	17
Vinyl chloride	ND		250	324.2		ug/L		130	57 - 150	8	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

GC/MS VOA

Analysis Batch: 406214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-121390-1	MW-1	Total/NA	Ground Water	8260C	
490-121390-2	MW-2	Total/NA	Ground Water	8260C	
490-121390-3	MW-3	Total/NA	Ground Water	8260C	
490-121390-4	MW-4	Total/NA	Ground Water	8260C	
490-121390-5	MW-5	Total/NA	Ground Water	8260C	
490-121390-6	MW-7	Total/NA	Ground Water	8260C	
490-121390-7	MW-8	Total/NA	Ground Water	8260C	
490-121390-8	MW-9	Total/NA	Ground Water	8260C	
490-121390-9	MW-10	Total/NA	Ground Water	8260C	
490-121390-10	MW-11	Total/NA	Ground Water	8260C	
490-121390-11	MW-12	Total/NA	Ground Water	8260C	
490-121390-12	MW-13	Total/NA	Ground Water	8260C	
490-121390-13	Trip Blank	Total/NA	Water	8260C	
MB 490-406214/7	Method Blank	Total/NA	Water	8260C	
LCS 490-406214/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-406214/4	Lab Control Sample Dup	Total/NA	Water	8260C	
490-121390-11 MS	MW-12	Total/NA	Ground Water	8260C	
490-121390-11 MSD	MW-12	Total/NA	Ground Water	8260C	

Analysis Batch: 406439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-121390-1	MW-1	Total/NA	Ground Water	8260C	
490-121390-3	MW-3	Total/NA	Ground Water	8260C	
490-121390-5	MW-5	Total/NA	Ground Water	8260C	
490-121390-6	MW-7	Total/NA	Ground Water	8260C	
490-121390-7	MW-8	Total/NA	Ground Water	8260C	
490-121390-12	MW-13	Total/NA	Ground Water	8260C	
490-121390-13	Trip Blank	Total/NA	Water	8260C	
MB 490-406439/7	Method Blank	Total/NA	Water	8260C	
LCS 490-406439/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-406439/4	Lab Control Sample Dup	Total/NA	Water	8260C	
490-121320-B-2 MS	Matrix Spike	Total/NA	Water	8260C	
490-121320-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 406697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-121390-2	MW-2	Total/NA	Ground Water	8260C	
490-121390-9	MW-10	Total/NA	Ground Water	8260C	
490-121390-10	MW-11	Total/NA	Ground Water	8260C	
MB 490-406697/7	Method Blank	Total/NA	Water	8260C	
LCS 490-406697/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-406697/4	Lab Control Sample Dup	Total/NA	Water	8260C	
490-121390-9 MS	MW-10	Total/NA	Ground Water	8260C	
490-121390-9 MSD	MW-10	Total/NA	Ground Water	8260C	

Client Sample ID: MW-1
Date Collected: 02/03/17 11:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	406214	02/08/17 03:37	BBR	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	406439	02/08/17 17:08	AK1	TAL NSH

Client Sample ID: MW-2
Date Collected: 02/03/17 10:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	406214	02/08/17 04:03	BBR	TAL NSH
Total/NA	Analysis	8260C		1	10 mL	10 mL	406697	02/09/17 13:32	NC	TAL NSH

Client Sample ID: MW-3
Date Collected: 02/03/17 12:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	10 mL	10 mL	406214	02/08/17 08:01	BBR	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	406439	02/08/17 17:34	AK1	TAL NSH

Client Sample ID: MW-4
Date Collected: 02/03/17 14:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	406214	02/08/17 04:30	BBR	TAL NSH

Client Sample ID: MW-5
Date Collected: 02/03/17 13:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	406214	02/08/17 04:56	BBR	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	406439	02/08/17 18:01	AK1	TAL NSH

Client Sample ID: MW-7
Date Collected: 02/03/17 10:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	406214	02/08/17 05:22	BBR	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	406439	02/08/17 18:27	AK1	TAL NSH

Client Sample ID: MW-8
Date Collected: 02/03/17 13:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	10 mL	10 mL	406214	02/08/17 06:41	BBR	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	406439	02/08/17 18:53	AK1	TAL NSH

Client Sample ID: MW-9
Date Collected: 02/03/17 09:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	10 mL	10 mL	406214	02/08/17 07:08	BBR	TAL NSH

Client Sample ID: MW-10
Date Collected: 02/03/17 09:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	406214	02/08/17 05:49	BBR	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	406697	02/09/17 17:55	NC	TAL NSH

Client Sample ID: MW-11
Date Collected: 02/03/17 14:00
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	406214	02/08/17 06:15	BBR	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	406697	02/09/17 18:21	NC	TAL NSH

Client Sample ID: MW-12
Date Collected: 02/03/17 12:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-11
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	10 mL	10 mL	406214	02/08/17 08:27	BBR	TAL NSH

Client Sample ID: MW-13
Date Collected: 02/03/17 11:30
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-12
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	10 mL	10 mL	406214	02/08/17 07:34	BBR	TAL NSH
Total/NA	Analysis	8260C		20	10 mL	10 mL	406439	02/08/17 19:20	AK1	TAL NSH

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Client Sample ID: Trip Blank

Date Collected: 02/03/17 00:01
Date Received: 02/04/17 08:55

Lab Sample ID: 490-121390-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	406214	02/08/17 00:59	BBR	TAL NSH
Total/NA	Analysis	8260C		1	10 mL	10 mL	406439	02/08/17 15:49	AK1	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: PMG #8541 Hollis

TestAmerica Job ID: 490-121390-1
SDG: 202-06 Hillside Ave, Hollis NY

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11342	03-31-17

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-121390 Chain of Custody

Cooler Received/Opened On 2/4/2017 @ 0855

Time Samples Removed From Cooler 1208 Time Samples Placed In Storage 1249 (2 Hour Window)

1. Tracking # 2182 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID_160406069_ pH Strip Lot HC693126 Chlorine Strip Lot 08MG IC

2. Temperature of rep. sample or temp blank when opened: 0.9 *Degrees Celsius*

3. If Item #2 temperatures is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: NA

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) SW

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

PM 2/14/17

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (initial) PM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) PM

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) PM

I certify that I attached a label with the unique LIMS number to each container (initial) PM

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 12/15/15

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: GES

Address: 88 Cabot Ct Suite A

City/State/Zip: Hauppauge N.Y.

Project Manager: Jaclyn Jaeger

Telephone Number: 800-460-9405 Fax No.:

Sampler Name: (Print) Brian Lukas

Sampler Signature:

Site State: New York

PO#:

TA Quote #:

Project ID: PMG #8541, 202-06 Hillside Ave, Hollis N.Y.

Project #: 050/333 [002/206

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: Full List VOCs	Loc: 490 121390	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
MW-1	2/3/17	1100	3						X						No						X					
MW-2	"	1000	"						"						"						"					
MW-3		1200																								
MW-4		1430																								
MW-5		1330																								
MW-7		1030																								
MW-8		1300																								
MW-9		0930																								
MW-10		0900																								
MW-11		1400																								

Special Instructions: Email EQEDD package to: ges@equisonline.com ; LILABS@gesonline.com

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	2/3/17	1600	FED EX	2/3/17	1660
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				2/4/17	8:55

Laboratory Comments:

Temperature Upon Receipt:

VOCs Free of Headspace? Y N

Page 63 of 65

2/14/2017

THE LEADER IN ENVIRONMENTAL TESTING
Nashville Division
2960 Foster Creighton
Nashville, TN 37204
Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: GES

Address: 89 CABOT AVE SUITE A

City/State/Zip: HAUPPAUGE N.Y.

Project Manager: SARKEN DRESSLER

Telephone Number: 800-960-9405 Fax No.:

Sampler Name: (Print) BRIAN J. DUNN

Sampler Signature:

Site State: NEW YORK

PO#:

TA Quote #:

Project ID: PMG #8541, 202-06 HILLSIDE AVE HOLLIS N.Y.

Project #: 050 1333 / 002 / 226

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	Preservative: HNO_3 (Red Label)	Preservative: HCl (Blue Label)	Preservative: NaOH (Orange Label)	Preservative: H_2SO_4 Plastic (Yellow Label)	Preservative: H_2SO_4 Glass(Yellow Label)	Preservative: None (Black Label)	Preservative: Other (Specify)	Matrix: Groundwater	Matrix: Wastewater	Matrix: Drinking Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: FULL LIST VOCs	Analyze For: Loc: 490 121390 #1 B	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
MW-12	2/3/17	1230	3	X					X						WG						X					
MW-13	2/3/17	1130	3	X					X						WG						X					

Special Instructions: Email EQEDD package to: ges@equisonline.com ; LILABS@gesonline.com

Method of Shipment: FEDEX

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
	2/3/17	1600	FEDEX	2/3/17	1600
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			-09	2/4/17	8:55

Page 64 of 65

2/14/2017

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 490-121390-1
SDG Number: 202-06 Hillside Ave, Hollis NY

Login Number: 121390
List Number: 1
Creator: Ngo, Phiet

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT F

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

Groundwater & Environmental Services

Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY

SGS Accutest Job Number: JC38907

Sampling Date: 03/13/17



Report to:

Groundwater & Environmental Services
89 Cabot Court Suite A
Hauppauge, NY 11788
matthew.cordova@sgs.com

ATTN: Jessica Thomas

Total number of pages in report: 17

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

SGS Accutest is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.

Sections: 1 2 3 4

Table of Contents

Section 1: Sample Summary **3**
Section 2: Summary of Hits **4**
Section 3: Sample Results **6**
3.1: JC38907-1: SVED STEP 1-20IW 7
3.2: JC38907-2: SVED STEP 2-52IW 9
3.3: JC38907-3: AS/SVE-D STEP 1-52IW 11
3.4: JC38907-4: SVE-S STEP 1-48IW 13
Section 4: Misc. Forms **15**
4.1: Chain of Custody 16

Sample Summary

Groundwater & Environmental Services

Job No: JC38907

Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC38907-1	03/13/17	10:05	JT	03/15/17	AIR	Air	SVED STEP 1-20IW
JC38907-2	03/13/17	10:50	JT	03/15/17	AIR	Air	SVED STEP 2-52IW
JC38907-3	03/13/17	13:45	JT	03/15/17	AIR	Air	AS/SVE-D STEP 1-52IW
JC38907-4	03/13/17	15:00	JT	03/15/17	AIR	Air	SVE-S STEP 1-48IW

Summary of Hits

Job Number: JC38907
Account: Groundwater & Environmental Services
Project: Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY
Collected: 03/13/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC38907-1	**SVED STEP 1-20IW**					
Tetrachloroethylene [a]		758	32	18	ppbv	TO-15
Tetrachloroethylene [a]		5140	220	120	ug/m3	TO-15
Toluene		7.6	0.050	0.012	ppmv	EPA TO-3
Ethylbenzene		5.5	0.050	0.015	ppmv	EPA TO-3
Xylenes (total)		216	0.10	0.014	ppmv	EPA TO-3
TPH (C1-C4) as Methane		32.1	5.0	0.75	ppmv	EPA TO-3
TPH (C5-C10) as Pentane		1420	5.0	0.11	ppmv	EPA TO-3
Toluene		29	0.19	0.045	mg/m3	EPA TO-3
Ethylbenzene		24	0.22	0.065	mg/m3	EPA TO-3
Xylenes (total)		938	0.43	0.061	mg/m3	EPA TO-3
TPH (C1-C4) as Methane		21.0	3.3	0.49	mg/m3	EPA TO-3
TPH (C5-C10) as Pentane		4180	15	0.32	mg/m3	EPA TO-3
JC38907-2	**SVED STEP 2-52IW**					
Tetrachloroethylene [a]		565	32	18	ppbv	TO-15
Tetrachloroethylene [a]		3830	220	120	ug/m3	TO-15
Toluene		4.8	0.050	0.012	ppmv	EPA TO-3
Ethylbenzene		3.2	0.050	0.015	ppmv	EPA TO-3
Xylenes (total)		99.1	0.10	0.014	ppmv	EPA TO-3
TPH (C1-C4) as Methane		16.3	5.0	0.75	ppmv	EPA TO-3
TPH (C5-C10) as Pentane		796	5.0	0.11	ppmv	EPA TO-3
Toluene		18	0.19	0.045	mg/m3	EPA TO-3
Ethylbenzene		14	0.22	0.065	mg/m3	EPA TO-3
Xylenes (total)		430	0.43	0.061	mg/m3	EPA TO-3
TPH (C1-C4) as Methane		10.7	3.3	0.49	mg/m3	EPA TO-3
TPH (C5-C10) as Pentane		2340	15	0.32	mg/m3	EPA TO-3
JC38907-3	**AS/SVE-D STEP 1-52IW**					
Tetrachloroethylene [a]		918	32	18	ppbv	TO-15
Trichloroethylene [a]		45.5	32	15	ppbv	TO-15
Tetrachloroethylene [a]		6230	220	120	ug/m3	TO-15
Trichloroethylene [a]		245	170	81	ug/m3	TO-15
Toluene		6.6	0.050	0.012	ppmv	EPA TO-3
Ethylbenzene		6.6	0.050	0.015	ppmv	EPA TO-3
Xylenes (total)		181	0.10	0.014	ppmv	EPA TO-3
TPH (C1-C4) as Methane		11.6	5.0	0.75	ppmv	EPA TO-3
TPH (C5-C10) as Pentane		1100	5.0	0.11	ppmv	EPA TO-3
Toluene		25	0.19	0.045	mg/m3	EPA TO-3
Ethylbenzene		29	0.22	0.065	mg/m3	EPA TO-3
Xylenes (total)		786	0.43	0.061	mg/m3	EPA TO-3
TPH (C1-C4) as Methane		7.59	3.3	0.49	mg/m3	EPA TO-3

Summary of Hits

Job Number: JC38907
Account: Groundwater & Environmental Services
Project: Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY
Collected: 03/13/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
TPH (C5-C10) as Pentane		3240	15	0.32	mg/m3	EPA TO-3
JC38907-4	**SVE-S STEP 1-48IW**					
Tetrachloroethylene [a]		739	16	9.2	ppbv	TO-15
Tetrachloroethylene [a]		5010	110	62	ug/m3	TO-15
Toluene		1.0	0.050	0.012	ppmv	EPA TO-3
Ethylbenzene		0.67	0.050	0.015	ppmv	EPA TO-3
Xylenes (total)		25.6	0.10	0.014	ppmv	EPA TO-3
TPH (C1-C4) as Methane		5.4	5.0	0.75	ppmv	EPA TO-3
TPH (C5-C10) as Pentane		154	5.0	0.11	ppmv	EPA TO-3
Toluene		3.8	0.19	0.045	mg/m3	EPA TO-3
Ethylbenzene		2.9	0.22	0.065	mg/m3	EPA TO-3
Xylenes (total)		111	0.43	0.061	mg/m3	EPA TO-3
TPH (C1-C4) as Methane		3.5	3.3	0.49	mg/m3	EPA TO-3
TPH (C5-C10) as Pentane		453	15	0.32	mg/m3	EPA TO-3

(a) Sample analyzed by modified Method TO-15 - Tedlar bag sample containers substituted for passivated stainless steel canisters. Dilution required due to high levels of non-target compounds.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SVED STEP 1-20IW		
Lab Sample ID:	JC38907-1	**Date Sampled:**	03/13/17
Matrix:	AIR - Air Summa ID: TBAG,A691	**Date Received:**	03/15/17
Method:	TO-15	**Percent Solids:**	n/a
Project:	Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W23201.D	200	03/17/17	LM	n/a	n/a	V5W918
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
127-18-4	165.8	Tetrachloroethylene	758	32	18	ppbv		5140	220	120	ug/m3
79-01-6	131.4	Trichloroethylene	ND	32	15	ppbv		ND	170	81	ug/m3
75-01-4	62.5	Vinyl chloride	ND	160	16	ppbv		ND	410	41	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		65-128%

(a) Sample analyzed by modified Method TO-15 - Tedlar bag sample containers substituted for passivated stainless steel canisters. Dilution required due to high levels of non-target compounds.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVED STEP 1-20IW		
Lab Sample ID:	JC38907-1	**Date Sampled:**	03/13/17
Matrix:	AIR - Air	**Date Received:**	03/15/17
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT216967.D	1	03/15/17	HT	n/a	n/a	GQT1668
Run #2 [a]	QT216968.D	1	03/15/17	HT	n/a	n/a	GQT1668

	Initial Volume
Run #1	0.50 ml
Run #2	0.50 ml

Purgeable Aromatics

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-43-2	78.11	Benzene	ND	0.050	0.014	ppmv		ND	0.16	0.045	mg/m3
108-88-3	92.14	Toluene	7.6	0.050	0.012	ppmv		29	0.19	0.045	mg/m3
100-41-4	106.2	Ethylbenzene	5.5	0.050	0.015	ppmv		24	0.22	0.065	mg/m3
1330-20-7	106.2	Xylenes (total)	216	0.10	0.014	ppmv		938	0.43	0.061	mg/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.10	0.050	ppmv		ND	0.36	0.18	mg/m3
	16	TPH (C1-C4) as Methane	32.1	5.0	0.75	ppmv		21.0	3.3	0.49	mg/m3
	72	TPH (C5-C10) as Pentane	1420	5.0	0.11	ppmv		4180	15	0.32	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	172% [b]	178% [b]	59-135%
460-00-4	4-Bromofluorobenzene	121%	121%	59-135%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVED STEP 2-52IW		
Lab Sample ID:	JC38907-2	**Date Sampled:**	03/13/17
Matrix:	AIR - Air Summa ID: TBAG,A1118	**Date Received:**	03/15/17
Method:	TO-15	**Percent Solids:**	n/a
Project:	Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W23202.D	200	03/17/17	LM	n/a	n/a	V5W918
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
127-18-4	165.8	Tetrachloroethylene	565	32	18	ppbv		3830	220	120	ug/m3
79-01-6	131.4	Trichloroethylene	ND	32	15	ppbv		ND	170	81	ug/m3
75-01-4	62.5	Vinyl chloride	ND	160	16	ppbv		ND	410	41	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

(a) Sample analyzed by modified Method TO-15 - Tedlar bag sample containers substituted for passivated stainless steel canisters. Dilution required due to high levels of non-target compounds.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVED STEP 2-52IW		
Lab Sample ID:	JC38907-2	**Date Sampled:**	03/13/17
Matrix:	AIR - Air	**Date Received:**	03/15/17
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT216969.D	1	03/15/17	HT	n/a	n/a	GQT1668
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

Purgeable Aromatics

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-43-2	78.11	Benzene	ND	0.050	0.014	ppmv		ND	0.16	0.045	mg/m3
108-88-3	92.14	Toluene	4.8	0.050	0.012	ppmv		18	0.19	0.045	mg/m3
100-41-4	106.2	Ethylbenzene	3.2	0.050	0.015	ppmv		14	0.22	0.065	mg/m3
1330-20-7	106.2	Xylenes (total)	99.1	0.10	0.014	ppmv		430	0.43	0.061	mg/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.10	0.050	ppmv		ND	0.36	0.18	mg/m3
	16	TPH (C1-C4) as Methane	16.3	5.0	0.75	ppmv		10.7	3.3	0.49	mg/m3
	72	TPH (C5-C10) as Pentane	796	5.0	0.11	ppmv		2340	15	0.32	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	134%		59-135%
460-00-4	4-Bromofluorobenzene	109%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS/SVE-D STEP 1-52IW		
Lab Sample ID:	JC38907-3	**Date Sampled:**	03/13/17
Matrix:	AIR - Air Summa ID: TBAG,A790	**Date Received:**	03/15/17
Method:	TO-15	**Percent Solids:**	n/a
Project:	Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W23203.D	200	03/17/17	LM	n/a	n/a	V5W918
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
127-18-4	165.8	Tetrachloroethylene	918	32	18	ppbv		6230	220	120	ug/m3
79-01-6	131.4	Trichloroethylene	45.5	32	15	ppbv		245	170	81	ug/m3
75-01-4	62.5	Vinyl chloride	ND	160	16	ppbv		ND	410	41	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

(a) Sample analyzed by modified Method TO-15 - Tedlar bag sample containers substituted for passivated stainless steel canisters. Dilution required due to high levels of non-target compounds.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AS/SVE-D STEP 1-52IW		
Lab Sample ID:	JC38907-3	**Date Sampled:**	03/13/17
Matrix:	AIR - Air	**Date Received:**	03/15/17
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT216970.D	1	03/15/17	HT	n/a	n/a	GQT1668
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

Purgeable Aromatics

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-43-2	78.11	Benzene	ND	0.050	0.014	ppmv		ND	0.16	0.045	mg/m3
108-88-3	92.14	Toluene	6.6	0.050	0.012	ppmv		25	0.19	0.045	mg/m3
100-41-4	106.2	Ethylbenzene	6.6	0.050	0.015	ppmv		29	0.22	0.065	mg/m3
1330-20-7	106.2	Xylenes (total)	181	0.10	0.014	ppmv		786	0.43	0.061	mg/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.10	0.050	ppmv		ND	0.36	0.18	mg/m3
	16	TPH (C1-C4) as Methane	11.6	5.0	0.75	ppmv		7.59	3.3	0.49	mg/m3
	72	TPH (C5-C10) as Pentane	1100	5.0	0.11	ppmv		3240	15	0.32	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	155% [a]		59-135%
460-00-4	4-Bromofluorobenzene	118%		59-135%

(a) Outside control limits due to matrix interference, confirmed by sample duplicate.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVE-S STEP 1-48IW		
Lab Sample ID:	JC38907-4	**Date Sampled:**	03/13/17
Matrix:	AIR - Air Summa ID: TBAG,M196	**Date Received:**	03/15/17
Method:	TO-15	**Percent Solids:**	n/a
Project:	Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W23204.D	200	03/18/17	LM	n/a	n/a	V5W918
Run #2							

	Initial Volume
Run #1	200 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
127-18-4	165.8	Tetrachloroethylene	739	16	9.2	ppbv		5010	110	62	ug/m3
79-01-6	131.4	Trichloroethylene	ND	16	7.4	ppbv		ND	86	40	ug/m3
75-01-4	62.5	Vinyl chloride	ND	80	8.2	ppbv		ND	200	21	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		65-128%

(a) Sample analyzed by modified Method TO-15 - Tedlar bag sample containers substituted for passivated stainless steel canisters. Dilution required due to high levels of non-target compounds.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SVE-S STEP 1-48IW		
Lab Sample ID:	JC38907-4	**Date Sampled:**	03/13/17
Matrix:	AIR - Air	**Date Received:**	03/15/17
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Former Exxon PMG, 202-06 Hillside Avenue, Hollis, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT216973.D	1	03/15/17	HT	n/a	n/a	GQT1668
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

Purgeable Aromatics

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
71-43-2	78.11	Benzene	ND	0.050	0.014	ppmv		ND	0.16	0.045	mg/m3
108-88-3	92.14	Toluene	1.0	0.050	0.012	ppmv		3.8	0.19	0.045	mg/m3
100-41-4	106.2	Ethylbenzene	0.67	0.050	0.015	ppmv		2.9	0.22	0.065	mg/m3
1330-20-7	106.2	Xylenes (total)	25.6	0.10	0.014	ppmv		111	0.43	0.061	mg/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.10	0.050	ppmv		ND	0.36	0.18	mg/m3
	16	TPH (C1-C4) as Methane	5.4	5.0	0.75	ppmv		3.5	3.3	0.49	mg/m3
	72	TPH (C5-C10) as Pentane	154	5.0	0.11	ppmv		453	15	0.32	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		59-135%
460-00-4	4-Bromofluorobenzene	100%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

AIR

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

E

FED-EX Tracking # 678097374073 | Bottle Order Control #
Accutest Quote # | Accutest Job # JC38907

Client / Reporting Information

Company Name: GES
Street Address: 202-06 Hillside Ave
City: Hollis State: NY Zip:
Project Contact: Jessica Thomas E-mail: jthomas@gesonline.com
Phone #: 8003609405 x4328 Fax #:
Sampler(s) Name(s): Jessica Thomas Phone #:

Project Information

Project Name: PMG Hollis
Street: 89 Cabot Court
City: Hauppauge State: NY Zip: 11788
Project#: 0501333/002/870
Client PO#: Alt Org: 1105
Project Manager: Dennis Shin

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

BTEX/MTBE; C1-C4 Hydrocarbons; C4-C10 Hydrocarbons; TCE, PCE, vinyl chloride

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
1	SVE-1 step 1 – 20 i.w		3/13/17	1005	JT	Air	1					X					
2	SVE-1 step 2 – 52 i.w			1050													TEDLAR
3	AS/SVE-1 step 1 – 52 i.w			1345													
4	SVE-5 step 1 – 48 i.w			1500													

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

INITIAL ASESSMENT
LABEL VERIFICATION

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

send results to lilabs@gesonline.com
and jthomas@gesonline.com

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Jessica Thomas	3/13/17	FedEx	FEDEX	3/15/17 1050	DH
2						
3						
4						
5						

Custody Seal # | [ ] Intact [ ] Not intact | Preserved where applicable [ ] | On Ice [ ] | Cooler Temp.

JC38907: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC38907 **Client:** _____ **Project:** _____

Date / Time Received: 3/15/2017 10:50:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

SM089-02
Rev. Date 12/1/16

JC38907: Chain of Custody
Page 2 of 2

ATTACHMENT G

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NONHAZARDOUS

2. Page 1 of: 1

3. Emergency Response Phone:

4. Waste Tracking Number:

GENERATOR

5. Generator's Name and Mailing Address: PMG Northeast LLC
2359 Research Court
Woodridge, VA 22192

Generator's Phone: 800-360-9405 Xt 4336

Generator's Site Address (if different than mailing address): PMG Station
202-06 Hillside Ave
Hollis, NY 11423

6. Transporter 1 Company Name: Clean Earth of North Jersey

U.S. EPA ID Number: NJD991291105

7. Transporter 2 Company Name:

U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey
105 Jacobus Ave.
Kearny NJ 07032

U.S. EPA ID Number: NJD991291105

Facility's Phone: 9733444004

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA solids, D.O.T. Non-regulated	43	DM		P	ID27
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

(1) 173081721 - IDW drill cuttings

Order#: 176511 - Note:

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

RECEIVED
AUG 30 2016

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-862

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

CLEAN EARTH OF NORTH JERSEY
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032

CONTACT NAME: CHUCK MANGES
COUNTY: OUT OF STATE
TELEPHONE NO: (724)933-4133

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 09/12/2016
EXPIRATION DATE: **09/11/2017**
US EPA ID NUMBER: NJD991291105

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial Waste Oil	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
TCI of NY, LLC	Coeymans , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____ Date: 08/12/16

NOTICE

This renewed permit is not valid until the effective date listed on the permit

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-862

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

CLEAN EARTH OF NORTH JERSEY
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032

PERMIT TYPE:

- ☐ NEW
- ■ RENEWAL
- ☐ MODIFICATION

CONTACT NAME:	CHUCK MANGES
COUNTY:	OUT OF STATE
TELEPHONE NO:	(724)933-4133
EFFECTIVE DATE:	09/12/2016
EXPIRATION DATE:	**09/11/2017**
US EPA ID NUMBER:	NJD991291105

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:
(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

1 (One) Permitted Vehicle(s)

NJ AN481Y
End of List

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NON-HAZARDOUS	1		

GENERATOR

5. Generator's Name and Mailing Address
PMG Northeast LLC
2359 Research Court
Woodridge, VA 22192
Generator's Phone: 908-301-9405 X 4336

Generator's Site Address (if different than mailing address)
PMG Station
302-06 Hillside Ave
Hollis, NY 11423

6. Transporter 1 Company Name: WT Transport Inc.
U.S. EPA ID Number: NJ2986528162

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of North Jersey
115 Jacobus Ave.
Kearny NJ 07032
U.S. EPA ID Number: NJD981231105
Facility's Phone: 973-344-0004

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA solids, D.O.T. Non-regulated	43	DM	2,120	P	NA27
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
(1) 17081721 - DW drill cuttings
Order#: 176511 - Note:

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month 3 | Day 13 | Year 17

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month 3 | Day 13 | Year 17

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

169-BLC-O 6 10498 (Rev. 9/09)

GENERATOR'S/SHIPPER'S INITIAL COPY

3/13/2017

Workorder: 176511

CLEANEARTH
Faster, smarter, greener solutions.

Customer: Groundwater & Environmental Services, Inc (Broker)
Contact:
Phone: 800-360-9405 Xt 4333
Job Site: PMG Northeast, LLC-GES
202-06 Hillside Ave
Hollis,NY 11423

Departed CEI	
Time	AM PM
Arrived at Cust.	
Time 730	AM PM
Departed Cust.	
Time 1205	AM PM
Arrived at CEI	
Time	AM PM

Transporter: IWT Transport Inc.-CENJ
Driver: C'Felli
EPA ID: NONHAZARDOUS

CONT. IN: 20C
CONT. OUT:

THE UNDERSIGNED AGREES THAT ALL THE ABOVE SERVICE INFORMATION IS CORRECT
CUSTOMER SIGNATURE on behalf of PMG (Dan Kinchen) PRINTED NAME Dan K DATE 3/17/17

Friday 3-17-17 @ 8:00 am
Pickup 43 Drums Non haz
Contact: Dennis Shin 800-360-9405 Ext 4333

Manifest.for.Workorder.176511

1 - 43 - 43.00 - DM - 173081721 - IDW drill cuttings

IWT TRANSPORT INC.

ENVIRONMENTAL SERVICE • HAZARDOUS WASTE MANAGEMENT

306 RAMAPO VALLEY ROAD, SUITE 2 • OAKLAND, NJ 07436

(201) 644-0485 • FAX: (201) 644-0489 • E:MAIL: dobrieniwt@optimum.net

ICC# MC787352
US DOT# 2306223
NJDEP# 0050277
NYDEC# NJ-880
EPA ID # NJR986628162

DATE 3/17/17

PICK UP		DELIVERY	
SHIPPER NAME	PMG Northeast	CONSIGNEE NAME	Clean Earth
SHIPPER STREET	202-06 Hillside Ave.	CONSIGNEE STREET	115 Jacobus Ave.
SHIPPER CITY / STATE / ZIP	Hollis, NY	CONSIGNEE CITY / STATE / ZIP	S. Kearny NJ
SHIPPER CONTACT NAME		CONSIGNEE CONTACT NAME	
SHIPPER SCHEDULED TIME		CONSIGNEE SCHEDULED TIME	

ADDITIONAL INFORMATION

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING REFERENCE
308-31151	I170276		Clean1715
LOAD NUMBER	**TRACTOR NUMBER**	**TRAILER NUMBER/CAN NUMBER**	**DRIVER'S NAME**

NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	DESCRIPTION OF WASTE(S) PER 49 CFR	CUSTOMER CODE #
			Pickup 4/3 drums at	
			202-06 hillside Ave Hollis	
			Drums inspected sealed and labeled 815	
			Stacked loading 915	
			Finished 930	

TYPE (CIRCLE ONE)	PLACARDS PROVIDED OR AFFIXED	WHEN "RQ" QUANTITY RELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE CENTER - 800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR	EMERGENCY RESPONSE PHONE NUMBER:
DUMP VAN ROLL-OFF FLATBED STR.	SHIPPER'S CHECK LIST DOT LABELS APPLIED AND SECURE DOT AUTHORIZED CONTAINERS PROPER DOT NAME ON ALL PACKAGES CHECKED FOR PROPER SEALING		973-768-5107

PICK UP	DELIVERY
ARRIVAL DATE 3/17/17	DRIVER Cirello DATE 3/17/17
ARRIVAL TIME 730 AM PM RELEASE TIME 1000 AM PM	ARRIVAL TIME ____ AM PM RELEASE TIME ____ AM PM
TRAILER EMPTY UPON ARRIVAL ☑ YES ☐ NO (If not, explain below)	TRAILER EMPTY UPON DEPARTURE ☑ YES ☐ NO (If not, explain below)
COMMENTS: (EXPLAIN ALL DELAYS)	COMMENTS: (EXPLAIN ALL DELAYS)

SHIPPERS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

X _____ TITLE PM

SHIPPER'S SIGNATURE

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

X _____

CONSIGNEE'S SIGNATURE

Appendix C Health and Safety Plan



GEI Safety
EVERYONE LIVE SAFE EVERYDAY

GEI Consultants

Consulting
Engineers and
Scientists

Health and Safety Plan

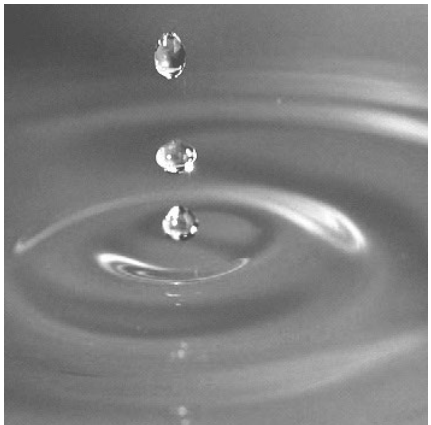
Clearview Cleaners
202-16 Hillside Avenue
Queens, New York

JAB Property Corp.
202-16 Hillside Avenue
Queens, New York 11423

Prepared by:
GEI Consultants, Inc.
1000 New York Avenue, Suite B
Huntington Station, NY 11746
631-760-9300

August 2024

Project No. 1607000



William J. Fitchett
Project Manager

Jessie Papageorge
Regional Safety Manager

Table of Contents

1. Emergency Contact Information 1

2. GEI Safety Practices to Live By 2

3. Site Background 3
3.1 Site Description 3
3.2 Scope of Field Work 3

4. Potential Hazards 5
4.1 General Site Hazards 5
4.1.1 Hazard Controls 8
4.1.2 Personal Safety 9
4.1.3 Vehicle Safety 9
4.1.4 Communicable Diseases 10
4.2 Job Hazard Analysis 11
4.3 Heat and Cold Stress 11
4.3.1 Heat Stress 11
4.3.2 Cold Stress 12
4.4 Constituents of Concern 12
4.4.1 Site-Specific COC 12
4.4.2 Chemicals Brought on Site 13

5. Personal Protective Equipment 14
5.1 Respiratory PPE 14

6. Responsibilities and Lines of Authority 15
6.1 GEI Personnel Responsibilities 15
6.1.1 GEI Safety Director 15
6.1.2 GEI Project Manager 15
6.1.3 GEI Regional Safety Manager 15
6.1.4 GEI Site Safety Manager 16
6.1.5 All GEI Field Personnel 16
6.2 Lines of Authority 16
6.2.1 Stop Work Authority 17
6.3 Subcontractors 17

7. Training Requirements 18
7.1 On-Site Safety Briefings 18

8. Medical Surveillance Program 19

9. Personal/Work Zone Air Monitoring 20

9.1 Calibration 20
9.2 Action Levels 20
9.2.1 VOC Monitoring and Control 21
9.2.2 Dust Monitoring and Control 21

10. Site Control 23
10.1 Site Zones 23
10.2 Buddy System 23
10.3 Sanitation for Temporary Work Sites 23
10.4 Illumination 23
10.5 Smoking 23
10.6 Alcohol and Drug Abuse Prevention 24

11. Incident Reporting 25
11.1 Injury Triage Service 25

12. Decontamination Procedures 26
12.1 Personnel and PPE Decontamination 26
12.2 Equipment Decontamination 26

13. Emergency Response 27
13.1 Evacuation 27
13.2 Fire 27
13.3 Spills or Material Release 27
13.4 Medical Support 28
13.5 Severe Weather 28
13.6 Hazard Communication Plan 28

14. Health and Safety Plan Sign-Off 29

Tables

1. Emergency Contact Information
2. GEI Employee Site Tasks and Descriptions
3. General Site Hazards
4. Primary Constituents of Concern Data

Figure

1. Site Location and Muster Point

Appendices

A. Map to Hospital and Occupational Health Clinic
B. Job Hazard Analyses
C. Safety Data Sheets
D. Forms
E. GEI Health and Safety SOPs and Programs

1. Emergency Contact Information

Table 1. Emergency Contact Information

Site Information	
Project Name:	Clearview Cleaners
Project Address:	202-16 Hillside Avenue, Queens, New York
Project Number:	1607000
Important Phone Numbers	
Emergency (Police/Fire/Medical):	911
Local Police:	(718776-9090
Fire Department:	(718) 542-1132
Hospital and Occupational Clinic Information *(See Attached Map and Directions in Appendix A)*	
Local Hospital: **St. Joseph's Medical Center** 202-16 Hillside Avenue Queens, New York 11423 **Urgent Care/Occupational Health Clinic: Contact Medcor Triage**	(718) 558-7230 Call Medcor Triage 1-800-775-5866
Contacts	
Project Manager: William J. Fitchett	(631) 479-3509 office (631) 905-7636 cell
Safety Director: Steve Hawkins	(860) 368-5348 office (860) 916-4167 cell
Regional Safety Manager: Jessie Papageorge	(973) 873-7117 office (862) 432-2283 cell
Site Safety Manager: TBD	(631) 760-9300
Medcor Triage	1-800-775-5866
Client Contact: Joe Burachio	(718) 465-0727
Other Information	
Contractor Requesting/Performing Utility Clearance: TBD	Utility Clearance Ticket Number: XXXXXXXXXXX

2. GEI Safety Practices to Live By

Safety is what we do and how we do it every day. These Everyday Practices to Live Safe are simple yet concise reminders to our employees, clients, contractors, visitors of the steps that must be taken to avoid injury, illness, and incident so everyone can live safe every day. To maintain a safe work environment, GEI has established an organizational structure and a Corporate Health and Safety Program along with these safety practices.

1. Stop work if it is unsafe to continue, after any incident, injury, or near miss.
2. Prepare before starting work. Complete safety training and project-related safety requirements, such as preparation and review Health and Safety Plans (HASPs) as required by project or job-related duties.
3. Assess and control safety hazards/risks before starting any tasks and when previously unidentified safety hazards are observed.
4. Be attentive and aware of your environment. Constant focus and awareness will avoid complacency.
5. Properly use and maintain GEI-approved and required PPE in all appropriate circumstances.
6. Do not work or drive impaired, including under the influence of alcohol/drugs or while fatigued.
7. Follow all safety practices when operating a vehicle. Always wear your seatbelt while in any vehicle. Do not drive distracted, including using hand-held cell phones, when operating any vehicle.
8. Use tools, equipment, and safety devices in accordance with manufacturers recommendations and GEI expectations. Never modify or override safety devices.
9. When activities involve chemicals or hazardous substances, follow GEI's hazard communication requirements, including labeling, reviewing Safety Data Sheets (SDS), and keeping proper protections in place.
10. Be aware of and keep clear of equipment moving in all work areas, at all times.
11. Follow GEI's incident reporting procedure in the event of safety incidents, including injuries, illness, near misses, or observation of unsafe behaviors.

3. Site Background

This Health and Safety Plan (HASP) establishes policies and procedures to protect GEI Consultants, Inc. (GEI) personnel from the potential hazards posed by the activities at the Clearview Cleaners property (site) in Queens, New York (Figure 1). Reading, understanding, and compliance with the contents of the HASP is required for on-site GEI personnel and will be reviewed by GEI subcontractors. Subcontractors will prepare their own site-specific HASP but may use this HASP as a guide. This HASP identifies measures to minimize accidents and injuries which may result from site conditions or activities. A copy of this HASP will be maintained on site for the duration of the work.

3.1 Site Description

The Site is located at 202-16 Hillside Avenue, Queens, New York. The Site is approximately 9,838 square feet in area. The Site is improved with a one-story commercial retail dry cleaner, currently known as Clearview Cleaners, with a paved parking lot in the front of the property along Hillside Avenue and a landscaped area on the west side of the building. The property fronts Hillside Avenue, a major thoroughfare, which is used by the community for commercial and retail establishments. The Environmental Protection Agency (EPA) ID for the site is NYD045423035 and has been generating and manifesting spent solvent (F002) waste for off-Site disposal since at least 1988.

3.2 Scope of Field Work

Scope of work for the proposed Work Plan is as follows:

- Install and sample sub-slab soil vapor points, collect indoor air samples (located in nearby off-site residential dwellings), and outdoor ambient air samples.
- Install permanent 2-inch monitoring wells at the Site and/or surrounding areas.
- Sample newly installed monitoring wells and existing off-site monitoring wells associated with the adjoining Gulf Filling Station.
- Install soil borings to vertically delineate the extent of contamination in the previously identified area of concern located in the grassy area off the west side of the subject building.
- Oversee the installation of a Sub-Slab Depressurization System (SSDS) at the neighboring building.
- Collect SSDS effluent samples

Table 2. GEI Employee Site Tasks and Descriptions

Task Number	Task Titles	Task Descriptions
1.	Air Monitoring- SUMMA Canister	Collect sub-slab soil vapor, indoor air, and outdoor air samples in SUMMA Canisters.
2.	Construction Observation	Oversee subcontractors install a SSDS
3.	Drilling Oversight	Oversee subcontractors install monitoring wells, soil borings, and soil vapor points
4.	Effluent Sampling	Collect effluent samples from SSDS
5.	Groundwater Sampling (Low-Flow)	Collect Groundwater Samples
6.	Monitoring Well Installation and Development	Develop newly installed monitoring wells.
7.	Soil Sampling – Drill Rig	Collect soil samples from drill rig.
8.	Soil Vapor Sampling – Hammer Drill use	Collect soil vapor samples from on and off-Site.

Notes:
Task Titles correlate to a prepared site-specific JHAs.
Task Descriptions are a brief summary of the task being performed by GEI.

4. Potential Hazards

The potential hazards associated with site conditions and activity hazards related to GEI on-site activities have been identified in this section. Detailed information for these hazards and their control methods are discussed further in the Table 3 and the job hazard analysis (JHAs) included in Appendix B.

4.1 General Site Hazards

General hazards and control measures that are applicable to all site activities have been identified in Table 3.

Table 3. General Site Hazards

General Hazards These Hazards Apply to All Site Activities	Control Measure
Cell Phone Use On Project Site	• Look and listen for potential hazards while using a cell phone for work related activities. • Limit your cell phone use for personal calls or other activities to non-working hours in areas free of hazards. • Do not use your cell phone when safety hazards are present. • Do not use headphones or ear buds while performing work related activities. Headphone or ear bud use can prevent you from hearing hazards around you. • Noise canceling headphones or earbuds are not to be used in place of hearing protection. • Never use a cell phone while operating any equipment or vehicle. • Consider using the "do not disturb" or "silent" functions to allow you to focus on your task.
Cold Stress Hypothermia, Frostbite	• Take breaks in heated shelters when working in extremely cold temperatures. • Drink warm liquids to reduce the susceptibility to cold stress. • Wear protective clothing (recommended three layers: an outside layer to break the wind, a middle layer to provide insulation, and an inner layer of cotton of synthetic weave to allow ventilation). • Wear a hat and insulated boots. • Keep a change of dry clothing available in case clothes become wet. • Do heavy work during the warmer parts of the day and take breaks from the cold. • If possible, shield work areas from drafts of wind and use insulating material on equipment handles when temperatures are below 30°F • Watch for symptoms of cold stress and initiate first aid procedures (Section 4.3.2).

General Hazards These Hazards Apply to All Site Activities	Control Measure
Coronavirus **COVID-19**	• Do not go to work if you are sick. • Maintain distance from others when possible. • Frequent washing of hands with soap and warm water for 20 seconds. If soap is not available, use hand sanitizer with 60% alcohol. • Wipe down high contact surfaces with disinfectant routinely before and after use. • Avoid sharing equipment when possible. • Use good hygiene practices. **1.** See COVID-19 Consolidated Workplace Guidelines
Heat stress Fainting, Fatigue, Heat Stroke	• Increase water intake while working. • Increase number of rest breaks and/or rotate workers in shorter work shifts. Rest in cool, dry areas. • Watch for signs and symptoms of heat exhaustion and fatigue. • Plan work for early morning or evening during hot months. • Use ice vests when necessary. • Watch for symptoms of heat stress and initiate first aid procedures (Section 4.3.1).
Heavy Equipment Working Near Struck-by, caught-in-between equipment, crushing, pinch points	• Wear hardhat; high visibility reflective safety vest; steel-toed, steel-shank boots or (electrical hazard) EH-rated safety boots with composite toe and shank; safety glasses; nitrile/neoprene gloves; and earplugs. • Identify yourself and your work location to heavy equipment operators, so they may incorporate you into their operations. • Coordinate hand signals with operators. • Stay Alert! Pay attention to equipment backup alarms and swing radii. • Wear a high-visibility, reflective vest when working near equipment or motor vehicle traffic. • Position yourself in a safe location when filling out logs or talking with the contractor. • Notify the contractor immediately if any problems arise. • Do not stand or sit under suspended loads or near any pressurized equipment lines. • Do not operate cellular telephones in the vicinity of heavy equipment operation. **2.** See SOP HS-018

General Hazards These Hazards Apply to All Site Activities	Control Measure
Insects Bites, Stings, Allergic Reactions	• Apply insect repellent prior to performing field work and as often as needed throughout the work shift. • Wear proper protective clothing (work boots, socks, and light-colored clothing) • Wear shoes, long pants with bottoms tucked into boots or socks, and a long-sleeved shirt when outdoors for extended periods of time, or when many insects are most active (between dawn and dusk). • When walking in wooded areas, avoid contact with bushes, tall grass, or brush as much as possible • Field personnel who may have insect allergies will have allergy medication on site and will provide this information to the SSM prior to commencing work. • Field personnel will perform a self-check at the end of the day for ticks. • See SOP HS-001
Inclement Weather	• Listen to local forecasts for warnings about specific weather hazards such as tornados, thunderstorms, and flash floods. • If storms produce thunder and/or lightning, leave the work area immediately and move to a safe area. • Discuss an action plan prior to the severe weather. • Wear appropriate PPE for the type of weather that could be encountered. • Stop work until conditions are suitable. Take cover in vehicles or shelter as appropriate. • See SOP HS-010
Physical Injury Slips, Trips and Falls	• Wear PPE that properly fits, is in good condition, and is appropriate for the activities and hazards. • Maintain good visibility of the work area. • Avoid walking on uneven, steeply sloped, or debris ridden ground surfaces. • Plan tasks prior to preforming them including an activity hazard analysis. • Keep trafficked areas free from slip/trip/fall hazards. • Maintain weed growth in sampling areas, especially on slopes. • Wear shoes with traction. • Avoid traversing steep areas in slippery conditions. • Do not carry heavy objects to work areas, on steeply sloped areas, or where steep areas must be traversed.
Repetitive Motion Injury Standing, Squatting, and Bending Over	• Take regular breaks and do not work in unusual positions for extended periods of time. • Walk and stretch between tasks. • See SOP HS-025

General Hazards These Hazards Apply to All Site Activities	Control Measure
Sun Exposure	• Liberally apply sunscreen, with a minimum broad-spectrum sun protection factor (SPF) of 30 • Wear safety glasses that offer protection from ultraviolet A and B (UVA/UVB) rays. • Bring shade to the site to reduce exposure. • When possible, wear long-sleeved shirts and long pants. • Clothes made from tightly woven fabric and darker colors offer the best protection. Some clothing is certified as offering UV protection. • Wear a hat that has a brim all the way around that shades your face, ears, and the back of your neck. A tightly woven fabric, such as canvas, works best to protect your skin from UV rays. • Sunscreen wears off. Put it on again if you stay out in the sun for more than 2 hours. **3.** Check the sunscreen's expiration date. Sunscreen without an expiration date has a shelf life of no more than 3 years.
Vehicular Traffic Struck by injury, crushing	• Do not turn your back on traffic. • Use situational awareness to identify concerns like erratic motorist movements, sudden stops, squealing tires, or other indicators that motorists are having difficulty in maneuvering through the work zone. If observed notify the workers and suspend work until safe restart work. • Have a bail-out plan in case of an errant vehicle. Warn other workers of errant vehicles. Increase visibility of the work area to others by using cones, flags, barricades, proper lighting, and caution tape to define work area. • Use a "spotter" to locate oncoming vehicles. • Use vehicle to block work area. • Engage police detail for all work conducted in appropriate areas. • Wear high-visibility, reflective vest at all times. • Maintain minimum DOT defined distances to other traffic lanes. • See SOP HS-016.

4.1.1 Hazard Controls

On-site safety equipment to control the hazards listed above will include:

Site-Specific Safety Equipment *(check all that apply)*		
☒ Drinking water/electrolyte fluids	☒ Hand cleaner/sanitizer	☐ Tick removal kit
☒ Eye wash bottles	☒ Insect repellent	☐ Other:
☒ Fire extinguisher	☒ Phone charger	☐ Other:
☒ First aid kit	☐ Poison ivy/oak cleanser	☐ Other:
☐ Flashlight/head lamp	☒ Sunscreen	

Personal protective equipment (PPE) is discussed in further detail in Section 5.

4.1.2 Personal Safety

Field activities have the potential to take employees into areas which may pose a risk to personal safety. The following websites have been researched to identify potential crime activity in the area of the project:

- https://communitycrimemap.com/
- www.cityrating.com/crimestatistics.asp
- www.crimemapping.com

Employees must not knowingly enter into a situation where there is the potential for physical and violent behaviors to occur. If employees encounter hostile individuals or a confrontation develops in the work area, suspend work activities, immediately leave the area of concern, and contact local 911 for assistance. Notify the Site Safety Manager (SSM) and Safety Team (Safety Director and Regional Safety Managers – Safety_Team@geiconsultants.com)of any incidents once you are out of potential danger.

In the event of an emergency, prompt communications with local emergency responders are essential. At least one charged and functioning cell phone to enable emergency communications will be on site. Confirmation of cellular phone operation will be confirmed at the start of each working day.

4.1.3 Vehicle Safety

Mobilization to and from the field will likely require the use of a personal, GEI fleet, or rental vehicle. When operating a vehicle while conducting business on behalf of GEI, employees must follow safe driving practices as outlined in the GEI Safe Driving SOP.

In conjunction with the hazard controls listed in the Site Mobilization JHA, GEI employees should follow these guidelines to operate a vehicle safely:

- Do not drive distracted, including using hand-held cell phones, when operating any vehicle.
- Complete a 360° inspection of the vehicle and surrounding area to identify vehicle safety issues and hazards that could be within the travel path.
- Confirm cell phones, tablets, or other potentially distracting equipment are safely secured and put away prior to operating the vehicle.
- Park in designated areas or a safe area away from heavy equipment.
- When parking a vehicle at a job site, the employee should make an effort to position the vehicle in a manner which reduces or eliminates the need to operate the vehicle in reverse.

- Use a spotter whenever possible.

GEI personnel will follow the GEI Incident Reporting (and client specific reporting) procedures if a vehicle accident occurs involving another vehicle, results in injury, or the damage to property.

4.1.4 Communicable Diseases

Communicable diseases are illnesses caused by viruses or bacteria that people spread to one another through contact with contaminated surfaces, bodily fluids, blood products, insect bites, or through the air. Examples of communicable diseases include influenza, coronavirus 2019, hepatitis B, salmonella, measles, and blood-borne illnesses. Most common forms of spread include food, insect bites, droplets, or skin contact. Infections may range in severity from asymptomatic (without symptoms) to severe and fatal. Transmission of these biologic agents can occur in a variety of ways including airborne (inhalation), direct physical contact with an infectious person, consuming contaminated foods or beverages, contact with contaminated body fluids, contact with contaminated inanimate objects, or being bitten by an infected insect or tick. Below are ways to prevent the infection or spread of communicable diseases:

1. **Distancing:** Maintain distance from others when possible. Minimize the number of employees in one location to the extent possible.
2. **Wash Hands Often:** Frequent hand washing with soap and warm water for 20 seconds. If soap and water are not readily available, use hand sanitizer (containing 60% alcohol) until soap and water can be used.
3. **Clean and Disinfect Commonly Used Surfaces:** Wipe down surfaces with disinfectant on a routine basis. This includes field equipment and other items that may have previously been used by others. This is especially important while working in construction trailers. When using company and personal vehicles, wipe surfaces including the steering wheel, gear shifter, controls, and door handles before and after use.
4. **Use Good Hygiene Practices:** These include washing hands frequently, avoid touching your eyes, nose, and mouth, and cover coughs and sneezes.
5. **Get Vaccinated:** Vaccines can prevent many infectious diseases. There are also vaccines that are recommended or required for travel to certain parts of the world.
6. **Avoid Touching Wild Animals:** Be cautious around wild animals as they can spread infectious diseases.
7. Stay home when you are sick.

4.2 Job Hazard Analysis

The site-specific tasks, potential hazards, and control measures established to reduce the risk of injury or illness are identified in step-by-step JHAs included in Appendix B. Prior to the start of work, project team members will determine what tasks are covered in the scope of work (Table 2) and then develop a JHA for each of these tasks and have them reviewed by the Project Manager (PM) or their designee and approved by a member of the Safety Team. Indicated in each JHA are the specific PPE, training, equipment, health and safety SOPs and programs that apply to each task. Additional information on hazard controls can be found in GEI's SOPs and programs that apply to this project which are indicated in Appendix E.

4.3 Heat and Cold Stress

4.3.1 Heat Stress

Employees may be exposed to the hazards associated with heat stress when ambient temperatures exceed 80ºF. To prevent heat-related illness, Project Managers (PMs) should plan for proper hydration (drinking plenty of water), acclimatization (getting used to weather conditions), and schedules that alternate work with rest. Employees should also be trained to recognize the symptoms of heat related illnesses and know how to administer first aid for heat-related illnesses and activate emergency medical services quickly when needed. Water and shade will be available to all project employees and located as close as practicable to the work areas when temperatures exceed 80°F.

CDC Heat Planning Tool
For the most recent details and tools for heat stress, use your smart phone to access the Centers for Disease Control for the latest information. Additional details can be found in GEI's Heat Stress Program located on the Safety Resources page of GEI Connections.

Prior to each workday, the forecasted temperature and humidity for the worksite will be reviewed and will be compared against the National Weather Service Heat Index to evaluate the risk level for heat illness. When the temperature equals or exceeds 95°F, or during a heat wave, high heat procedures will be used which include additional preventive measures including pre-shift meetings to encourage employees to drink plenty of water, working in the buddy system or regular communication so observations can be made for heat related illness, and to remind employees of their right to take a cool-down rest when necessary.

4.3.2 Cold Stress

Employees may be exposed to the hazards associated with cold stress when working in cold, wet, and/or windy conditions. Potential hazards in cold environments include frostbite, trench foot or immersion foot, hypothermia, as well as slippery surfaces, brittle equipment, and poor judgment.

CDC Cold Stress Info

For the most recent details and tools for cold stress, use your smart phone to access the Centers for Disease Control for the latest information. Additional details can be found in GEI's Cold Stress Program located on the Safety Resources page of GEI Connections.

4.4 Constituents of Concern

The characteristics of constituents of concern (COC) at the site are discussed below for safety information purposes. A COC is any substance classified or defined as hazardous, extremely hazardous, toxic, or dangerous. The COC included in this health and safety plan will be the primary constituents that have been detected, are anticipated to be detected, or are being evaluated for the presence of, on the project site. These COC will be used to determine the action levels and PPE necessary for site personnel. Adherence to the safety and health guidelines in this HASP should reduce the potential for exposure to the COC discussed below.

4.4.1 Site-Specific COC

Chlorinated Hydrocarbons

Chlorinated hydrocarbons (organochlorides) are a very large and diverse group of hydrocarbon molecules that also have at least one covalently bound chlorine atom chemically bonded to them. Chlorinated hydrocarbons are used predominantly as solvents and have historically been used as industrial degreasers, dry cleaning solvents, anesthetic agents and as refrigerants. They are colorless, volatile liquids with a moderately sweet aroma and partially soluble in but denser than water, therefore they are commonly found as a dense non-aqueous phase liquid (DNAPL).

The more common forms of chlorinated solvent contamination of soils and ground waters include:

- Tetrachloroethene (PCE, Tetrachloroethylene)
- Carbon tetrachloride (Tetrachloromethane or carbon tet)
- Trichloroethylene (TCE,Trichloroethene)
- 1,1,1-TrichloroMethane (Chloroform)
- 1,1,1 - Trichloroethane (TCA, methyl chloroform, chlorothene, Solvent 111)

- Dichloromethane (DCM or methylene chloride)

As a class, the chlorinated hydrocarbons are potent central nervous system depressants or stimulants. They also cause greater liver and kidney damage compared to other organic solvents. Many have been shown to cause cancer in laboratory animals; due to widespread industrial use, the issue of carcinogenic risk to humans is one of the most controversial issues in regulatory toxicology.

Exposure to chlorinated hydrocarbon compounds in the occupational setting is primarily through inhalation. Skin absorption is variable and usually insignificant, although dermal absorption following prolonged or extensive skin contact can cause systemic toxicity.

Table 4. Primary Constituents of Concern Data

Constituent	Exposure Limit(s)	Route of Exposure	Primary Hazard/ Symptoms of Exposure
(Link to COC Data Table) If a COC for your site is not included in this table, use The CDC NIOSH Guide			
PCE (tetrachloroethene or perchloroethylene)	100 ppm TWA 200 ppm C 300 ppm (5 minutes in any 3 hours)	Inhalation, Ingestion, Skin Contact	Irritation, nausea, vomiting, chest pain, difficulty breathing, headache, drowsiness, dizziness, disorientation, loss of coordination, blurred vision, loss of appetite, stomach pain, pain in extremities
TCE (trichloroethylene)	100 ppm TWA 200 ppm C 300 ppm (5 minutes in any 3 hours)	Inhalation, ingestion, skin contact	Irritation to eyes, skin, dizziness, fatigue, blurred vision, tremors, nausea, vomiting, drowsiness, headache

Notes:
A.L. - Action Level
C - ceiling limit, not to be exceeded
Ca – carcinogen
f/cc - fibers per cubic centimeter
mg/m^3 - micrograms per cubic meter
mppcf - millions of particulates per cubic foot of air
ppm - parts per million
STEL - Short-term exposure limit (15 minutes)
TWA - Time-weighted average (8 hours)

4.4.2 Chemicals Brought on Site

Potential hazards associated with chemicals brought on site (e.g., decontamination chemicals, sample preservatives, fuels, calibration fluids) for the work will be mitigated through training, administrative controls (e.g., proper labeling and storage), and proper use of PPE. Safety data sheets (SDSs) for all chemicals brought on site shall be maintained by the SSM and are included in Appendix C.

5. Personal Protective Equipment

The PPE required to be worn on the project site is listed in the table below. Additional PPE required for the tasks to be performed is listed on the JHAs in Appendix B.

Site Required PPE *(check all that apply)*		
☒ Hard Hat	☐ Respirator	☐ Tyvek clothing/boots
☒ Safety Glasses	☐ Flame Resistant Clothing	☒ Hearing Protection
☒ Safety Boots	☐ Personal Flotation Device	☐ Long Sleeve Shirt
☒ Gloves (task specific)	☐ Snake Chaps	☐ Other:
☒ High Visibility Safety Vest	☐ EH-Rated Boots	☐ Other:

If site conditions suggest the existence of a situation more hazardous than anticipated, the site personnel will evacuate the area to a safe distance. The hazard, the level of precautions, and the PPE will then be reevaluated with the assistance and approval of the Safety Director and the PM. If conditions indicating the need for Level A or Level B PPE are encountered, personnel will leave the site and notify the PM or a member of the Safety Team. GEI's PPE Program can be found on the Safety Resources page of GEI Connections.

5.1 Respiratory PPE

GEI personnel who have the potential to don a respirator must have a valid fit test certification and medical clearance. Both the respirator and cartridges specified for use in Level C protection must be fit-tested prior to use in accordance with OSHA regulations (29 CFR 1910.134). Air purifying respirators cannot be worn under the following conditions:

- Oxygen deficiency (less than 20.7%).
- Imminent Danger to Life and Health (IDLH) concentrations.
- If contaminant levels exceed designated use concentrations.

Upgrades to respiratory protection may be required based on the designated Action Levels found in Section 9.

6. Responsibilities and Lines of Authority

6.1 GEI Personnel Responsibilities

The implementation of health and safety at this project location will be the shared responsibility of the Safety Director, Regional Safety Director, PM, the Site Safety Manager (SSM), and each GEI personnel implementing the proposed scope of work.

6.1.1 GEI Safety Director

The Safety Director is responsible for the overall management of GEI's safety programs, policies, and procedures. Modifications to this HASP which may result in the reduction in the identification, evaluation, and control of safety and health hazards cannot be undertaken by the project team without the approval of the Safety Director.

6.1.2 GEI Project Manager

The PM is responsible for confirming that the requirements of this HASP are implemented. The PM's specific responsibilities include:

- Conducting and documenting the Project Safety Briefing.
- Verifying that the GEI staff and subcontractors selected to work on this program are sufficiently trained for site activities and have reviewed this HASP.
- Maintaining regular communications with the SSM and, if necessary, the Safety Director.

6.1.3 GEI Regional Safety Manager

The RSM is responsible for supporting the safety needs and requirements specified in this HASP. The RSM's specific responsibilities include:

- Reviewing and approving the HASP and applicable JHAs.
- Working with the PM and SSM to meet client safety requirements.
- Providing approval for fall protection plans and confined space entries (permit numbers), as applicable.
- Providing safety support regarding safety programs and procedures as applicable to the project.

6.1.4 GEI Site Safety Manager

The SSM is responsible for implementing and enforcing the safety requirements specified in this HASP and will be on-site during activities covered in the HASP. The SSM's specific responsibilities include:

- Enforcing the requirements of this HASP and notify the PM of noncompliance.
- Conduct daily Safety Tailgate meetings for site-related work.
- Maintaining a high level of health and safety consciousness among employees implementing the proposed activities.
- Procuring the air monitoring instrumentation, PPE, and safety equipment needed for GEI project employees and verifying that each is in good working order.
- Verifying that GEI subcontractors are utilizing the correct PPE and safety equipment.

6.1.5 All GEI Field Personnel

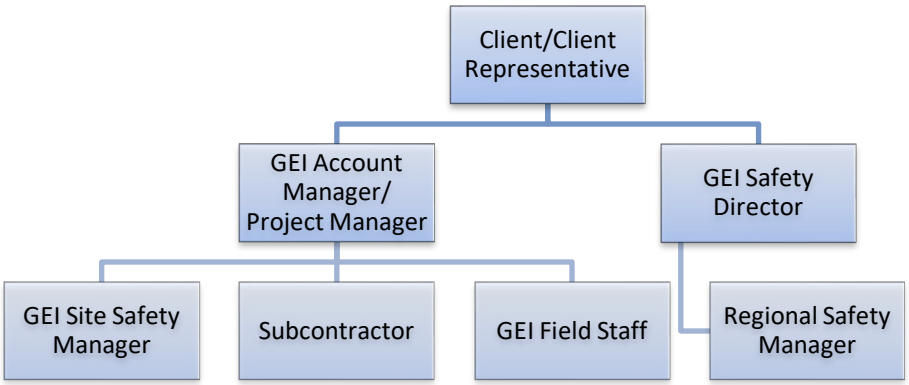
All GEI field personnel (including the PM and SSM) covered by this HASP are responsible for following the health and safety procedures in this HASP and for performing their work in a safe and responsible manner. The specific responsibilities that apply to all field personnel include:

- Reading and signing the HASP prior to the start of on-site work.
- Bringing forth any questions or concerns regarding the content of the HASP to the PM or the SSM.
- Attending and actively participating in the required Project Safety Briefing prior to beginning on-site work and any subsequent safety meetings.
- Complying with the requirements of this HASP and the requests of the SSM.
- Stopping work in the event that an immediate danger situation is perceived.
- Reporting accidents, injuries, and illnesses, regardless of their severity by following GEI's incident reporting procedures.

6.2 Lines of Authority

GEI will have responsibility for safety of its employees during the work performed at the site. GEI's SSM will have a cell phone available to contact the appropriate local authorities, in the event of an emergency. GEI's SSM will be available for communication with the GEI PM and with the Client's representative.

Project Lines of Authority



6.2.1 Stop Work Authority

GEI employees have the authority to stop work activities if an unanticipated hazard is encountered or a potential unsafe condition is observed. The GEI employee should contact the Safety Director and the Project Manager to discuss the stop work conditions and potential control methods that can be implemented.

6.3 Subcontractors

GEI has subcontracted the following firms to assist in performing work on this project:

Subcontractor Information	
TBD	
Contact Name:	Cell: (XXX) XXX-XXXX
Scope of Work:	

GEI requires its subcontractors to work in a responsible and safe manner. Subcontractors hired by GEI are required to submit documentation of their safety practices as part of GEI's Subcontractor Safety Prequalification for evaluation and approval before the start of work. Subcontractors for this project will be required to develop their own HASP for protection of their employees, but, at a minimum, must adhere to applicable requirements set forth in this HASP. The PM will obtain applicable safety certifications and training records from the subcontractor's site supervisor prior to the initiation of work.

7. Training Requirements

Prior to commencement of field activities, the PM or their designee will verify GEI field personnel assigned to the project will have completed training that will specifically address the activities, procedures, monitoring, and equipment used in the site operations. This training will be documented on the applicable JHAs (Appendix B). Personnel that have not received project-specific training will not be allowed on site.

Applicable Site-Specific Training Requirements *(check all that apply)*		
✔ HAZWOPER (8Hr Refresher)	☐ Railroad Specific Training	☐ Other:
☐ HAZWOPER (Site Supervisor)	☐ Transportation Worker Identification Credential (TWIC)	☐ Other:
✔ First Aid/CPR	☐ MSHA (Mine Safety and Health Administration)	☐ Other:

7.1 On-Site Safety Briefings

GEI personnel will be given health and safety briefings daily (or as frequently as needed) by the SSM or their designee to plan for conducting work activities safely. The briefing will include GEI subcontractors and others as appropriate. The briefings can include information on:

- Applicable JHAs
- Changes in work practices
- Changes in environmental conditions
- Anticipated weather
- Evacuation/emergency procedures
- Air monitoring results
- Safety inspection results

Documentation of these briefings will be recorded in the GEI field book or the Tailgate Safety Briefing Form (Appendix D). For long-term projects, the Tailgate Safety Briefing Form is preferred.

8. Medical Surveillance Program

GEI maintains a medical surveillance program under the supervision of the Safety Director that includes a plan designed specifically for field personnel engaged in work at sites where hazardous materials may be present. Field personnel undergo an initial physical examination, including a detailed medical and occupational history before they are able to engage in work at hazardous waste sites. Upon successful completion of the examination, personnel are provided a medical clearance from an occupational health physician stating their fitness to perform the specified work activities. Employees who are part of this program will schedule and attend annual exams 12 months from the date of their previous exam.

If a GEI employee or other project worker shows symptoms of exposure to a hazardous substance and wishes to be seen by a doctor, GEI will consult with their third-party medical administrator and provide access to the nearest area hospital or medical facility.

GEI subcontractor personnel that will enter any hazardous waste sites must certify that they are participating in a medical surveillance program that complies with OSHA regulations for hazardous waste operations (i.e., 29 CFR 1910.120 and 29 CFR 1926.65). A copy of their medical clearance will be submitted to the GEI PM or SSM prior to the start of field activities.

9. Personal/Work Zone Air Monitoring

Personal/Work Zone Air Monitoring Required?	
☒ Yes	☐ No*

Air monitoring, in the form of personal or work zone monitoring, will be performed to identify and quantify airborne levels of hazardous substances and atmospheric hazards to determine the appropriate level of worker protection needed on-site.

Work on this project requiring air monitoring includes:

Personal/Work Zone Air Monitoring Tasks *(check all that apply)*		
☒ Excavation	☐ Confined Space Entry	☐ Other:
☒ Soil Sampling	☐ Indoor Drilling	☐ Other:
☐ GW Monitoring Well Headspace	☐ Product Sampling	☐ Other:

The following air monitoring equipment will be on site:

Personal/Work Zone Air Monitoring Equipment *(check all that apply)*	
☒ PID with 10.6 eV lamp or equivalent	☒ Particulate Meter (PM-10 capable)
☐ Drager Chip Measurement System (CMS) with appropriate gas detection chips	☐ Multi-gas meter: lower explosive limit (LEL) / oxygen (O_2) / hydrogen sulfide (H_2S) / hydrogen cyanide (HCN) or carbon monoxide (CO) meter
☐ Sensidyne Gas Detection Pump with appropriate gas detector tubes (or equivalent colorimetric tube)	☐ Other:

GEI will conduct and document on-site work zone monitoring and will inform GEI employees of the results. ***If Action Levels are exceeded, immediately implement site action(s) according to Action Table below and notify the PM***.

9.1 Calibration

Air monitoring equipment will be calibrated and maintained in accordance with manufacturer's requirements. Calibrations will be recorded in the project notes daily or on a daily calibration form.

9.2 Action Levels

The tables below provide a summary of real time air monitoring Action Levels and contingency plans for work zone activities. The below Action Levels are determined by halving the Permissible Exposure Limits (PELs) or Threshold Limit Values (TLVs) as set

forth by OSHA and the American Conference of Government Industrial Hygienists (ACGIH).

9.2.1 VOC Monitoring and Control

Air monitoring reduces the risk of overexposure by indicating when action levels have been exceeded and when PPE must be upgraded or changed. Based on the volatile organic compounds (VOCs) listed in Table 4, determine which constituent has the lowest permissible exposure limit (PEL). This data is used to determine the action levels needed including respiratory protection at the project site. GEI's action level is half of the PEL listed in Table 4 (exception is made for benzene).

Exposure to organic COC can be evaluated and/or controlled by:

- Monitoring worker breathing zone atmospheric concentrations for organic COC in the breathing zone with a photoionization detector (PID).
- When possible, engineering control measures will be utilized to suppress the volatile organic vapors. Engineering methods can include utilizing a fan to promote air circulation, utilizing volatile suppressant foam, providing artificial ground cover, or covering up the impacted material with a tarp to mitigate volatile odors.
- When volatile suppression engineering controls are not effective and organic vapor meters indicate concentrations above the action levels, then appropriate respiratory protection (i.e., air purifying respirator with organic vapor cartridge) will be employed.

Air Monitoring Instrument	Action Level (above background)	Site Action
Action Levels for the following parameters are 15-minute time weighted averages (TWA), not a single exceedance.		
PID (Monitoring for VOCs)	0.0 – 50 ppm	No respiratory protection is required if VOCs are not present. (If benzene or naphthalene are constituents of interest at this site, follow the action levels below for benzene and/or naphthalene.)
	> 50 ppm	Stop work, withdrawal from work area, institute engineering controls, if levels persist, upgrade to Level C. Notify PM and Safety Team.

9.2.2 Dust Monitoring and Control

Some COC hazards may become hazardous when they are associated with dust/particles and become airborne. For worker safety, dust levels must be managed to eliminate this hazard. Dust generated during activities can cause irritation to the respiratory system and eyes. Contaminants can also be carried in airborne dust causing potential exposure to workers

through skin contact and inhalation. Constituent concentrations on site are expected to be low therefore the exposure hazard through inhalation should be minimal; however, contaminant contact through skin and clothing can introduce additional exposures.

For dust generated during site activities which exceed site-specific limits, engineering controls such as water application will be used to control dust concentrations. However, if excessive dust concentrations cannot to be handled through engineering controls, then respirators will be required to be worn.

Air Monitoring Instrument	Action Level (above background)	Site Action
Action Levels for the following parameters are 15-minute time weighted averages (TWA), not a single exceedance.		
Particulate Meter	150 µg/m^3	Implement work practices to reduce/minimize airborne dust generation, e.g., spray/misting of soil with water. Don respirator with particulate filters if action levels remain in exceedance.

10. Site Control

10.1 Site Zones

Site zones are intended to control the potential spread of contamination and to assure that only authorized individuals are permitted into potentially hazardous areas. This project is being conducted under the requirements of 29 CFR 1910.120, and any personnel working in an area where the potential for exposure to site contaminants exists, will only be allowed access after proper training and medical documentation.

10.2 Buddy System

GEI personnel should be in line-of-site or communication contact with another on-site person. The other on-site person should be aware of his or her role as a "buddy" and be able to help in the event of an emergency. Some projects may not support the need for the buddy system to be implemented. If this is the case, the PM is required to conduct regular check-ins with the employee on site.

10.3 Sanitation for Temporary Work Sites

Sanitation requirements identified in the OSHA Standard 29 CFR 1926.51 "Sanitation" specifies that employees working at temporary project sites have at least one sanitary facility available to them. Sanitary facilities are located within the Clearview Cleaners building.

10.4 Illumination

Illumination requirements identified by OSHA are directed to work efforts inside buildings and/or during non-daylight hours. Activities planned for the site are anticipated to occur outside during daylight hours. However, if work areas do not meet illumination requirements, they will be equipped with appropriate illumination that meets or exceeds requirements specified in OSHA Standard 29 CFR 1926.56. Employees will not work on sites that are not properly lighted.

10.5 Smoking

Smoking is prohibited at or in the vicinity of hazardous operations or materials. Where smoking is permitted, safe receptacles will be provided for smoking materials.

10.6 Alcohol and Drug Abuse Prevention

Alcohol and drugs will not be allowed on the site. Project personnel under the influence of alcohol or drugs will not be allowed to enter the site. All GEI employees must comply with GEI's Controlled Substance Use & Alcohol Misuse Policy found on the Safety Resources page of GEI Connections. Employees may be subject to random drug and/or alcohol testing if required by a client at a project site.

11. Incident Reporting

GEI will report incidents involving GEI personnel or subcontractor personnel, such as: lost time injuries, injuries requiring medical attention, near miss incidents, fires, fatalities, accidents involving the public, chemical spills, vehicle accidents, and property damage. The following steps must be followed when an incident occurs:

1. For incidents involving life-threatening situations or serious injury that require emergency response personnel (Police, Fire, EMS), call 9-1-1 from a safe area.
2. **Stop work** activity to address any injury, illness, property damage, spill, or other emergency.
3. Call Medcor Triage at 1-800-775-5866 to speak with a medical professional following any injury or illness.
4. Notify your Supervisor/Project Manager of the incident or injury.
5. Complete an incident report using the GEI Incident Report Form located on the GEI Safety Smartphone App, GEI Connections intranet page, or in the project HASP.
6. Resume work activity if all steps above have been completed and it is safe to do so.

For vehicle accidents involving another vehicle or damage to property, the employee will take pictures of each vehicle or property involved in the incident and obtain a police report. In some municipalities police will not be dispatched to a non-injury accident, but every effort needs to be made to try and obtain the report.

The Incident Report Form and the Near Miss Reporting Form can be found in Appendix D, on the GEI Health and Safety smartphone app, or on the Safety Resources page of GEI Connections. To report subcontractor injuries or incidents, follow the same verbal reporting procedures and submit an email describing the event to the PM and the Safety Team.

11.1 Injury Triage Service

If a GEI employee experiences a work-related injury that is not life-threatening, the employee will initiate a call to Medcor Triage at 1-800-775-5866. The injured employee will detail any medical symptoms or complaints which will be evaluated by a Registered Nurse (RN) specially trained to perform telephonic triage. The RN will recommend first aid self-treatment or refer the injured employee for an off-site medical evaluation by a health professional at a clinic within GEI's workers compensation provider network. GEI employees are still required to follow our Accident Reporting procedures as listed above.

12. Decontamination Procedures

Site decontamination procedures are designed to achieve an orderly, controlled removal or neutralization of contaminants that may come in contact with personnel or equipment. These procedures minimize contact with contaminants and protect against the transfer of contaminants to clean areas. They also extend the useful life of PPE by reducing the amount of time that contaminants contact and can permeate PPE surfaces. This project is being conducted under the requirements of 29 CFR 1910.120(k), and any personnel or equipment that are exposed to site contaminants will follow applicable decontamination procedures.

12.1 Personnel and PPE Decontamination

Contaminated PPE (gloves, suits, etc.) will be decontaminated and stored for reuse or placed in plastic bags (or other appropriate containers) and disposed of in an approved facility. Decontamination wastewater and used cleaning fluids will be collected and disposed of in accordance with applicable state and federal regulations.

12.2 Equipment Decontamination

All tools, equipment, and machinery that have come into contact with contaminated media, will be decontaminated on site prior to departure. Equipment decontamination procedures are designed to minimize the potential for hazardous skin or inhalation exposure and to avoid cross-contamination and chemical incompatibilities. If your project has equipment decontamination specification refer to where those can be found (work plan, specs, etc.)

13. Emergency Response

13.1 Evacuation

Prior to the start of work, emergency procedures must be identified and communicated to workers on site. This includes evacuation routes, safe areas, and/or muster points (Figure 1). Figure 1 can be a screen shot from Google Maps or a site map already created from a project document with points dropped on the map identifying at a minimum a muster point (delete this text once addressed). Also communicate how employees will be notified that an emergency or evacuation of the site is occurring (audio alarms, visible (light) alarms, radios, sirens, etc.) Upon discovering an emergency situation, personnel will notify the SSM, who will initiate an appropriate response. Once the scene is safe, use the incident report procedures to report the evacuation to the PM and Safety Team.

13.2 Fire

In the event of a fire personnel will evacuate the area to the muster point located on Figure 1. GEI's SSM will contact the local fire department and report the fire. The SSM will account for GEI personnel and subcontractor personnel and report their status to the PM. Incident reporting procedures will be followed once the scene is safe.

13.3 Spills or Material Release

If a hazardous waste spill or material release occurs, if safe, the SSM or their representative will immediately assess the magnitude and potential seriousness of the spill or release based on the following:

- SDS for the material spilled or released.
- Source of the release or spillage of hazardous material.
- An estimate of the quantity released and the rate at which it is being released.
- The direction in which the spill or air release is moving.
- Personnel who may be or may have been in contact with the material, or air release, and possible injury or sickness as a result.
- Potential for fire and/or explosion resulting from the situation; and
- Estimates of area under influence of release.

If the spill or release is determined to be within the on-site emergency response capabilities, the SSM will verify implementation of the necessary remedial action. If the release is beyond the capabilities of the site personnel, personnel will be evacuated from the immediate

area and the fire department will be contacted. The SSM will notify the PM and follow the incident reporting procedures.

13.4 Medical Support

In case of minor injuries, on-site care will be administered with the site first aid kit. A GEI employee certified by the American Red Cross or other American Health & Safety Institute (ASHI) will be on-site at all times. For serious injuries, call 911 and request emergency medical assistance. Seriously injured persons should not be moved unless they are in immediate danger. Notify the PM of the emergency and follow incident reporting procedures.

In the event of an emergency, prompt communications with local emergency responders are essential. At least one charged and functioning cell phone to enable emergency communications will be on site. Confirmation of cellular phone operation will be confirmed at the start of each working day.

Table 1 of this HASP contains detailed emergency information, including directions to the nearest hospital, and a list of emergency services and their telephone numbers. In addition, Appendix A includes a map to the local hospital/emergency room and Figure 1 indicates the evacuation route (including muster point).

13.5 Severe Weather

The contingency plan for severe weather includes reviewing the expected weather to determine if severe weather is in the forecast. Severe weather includes high winds over 40 miles per hour (mph), heavy rains or snow squalls, thunderstorms, tornados, and lightning storms. If severe weather is approaching, the decision to evacuate GEI personnel and subcontractor personnel from the site will be the responsibility of GEI's SSM. Notification of evacuation will be made to the PM. The SSM will account for GEI personnel and subcontractor personnel and report their status to the PM. If safe, work can resume 30 minutes after the last clap of thunder or flash of lightning.

13.6 Hazard Communication Plan

GEI personnel have received hazard communication (HAZCOM) training as part of their annual safety training and new employee safety orientation training. Hazardous materials brought on site will be properly labeled, stored, and handled. SDSs for each chemical will be included in this HASP in Appendix C. GEI's HAZCOM program can be found on the Safety Resources page of GEI Connections (Appendix E).

14. Health and Safety Plan Sign-Off

GEI personnel conducting site activities will be familiar with the information in this HASP. After reviewing this plan, please sign the copy in the project files, and bring a copy of the plan with you to the site. By signing this site-specific HASP, you are agreeing that you have read, understand, and will adhere to the provisions described in this plan while working on the site below.

Site Name: Clearview Cleaners

GEI Project No: 1607000

Print Name	Signature
Project Manager: William J. Fitchett	

Figure

Figure 1. Site Location and Muster Point

Figure 1 - Site Location Map
202-16 Hillside Avenue
Queens, New York
BCP Site No. C241153
August 2024



Imagery ©2024 Airbus, Maxar Technologies, Map data ©2024 Google 50 ft

Appendix A

Hospital Directions

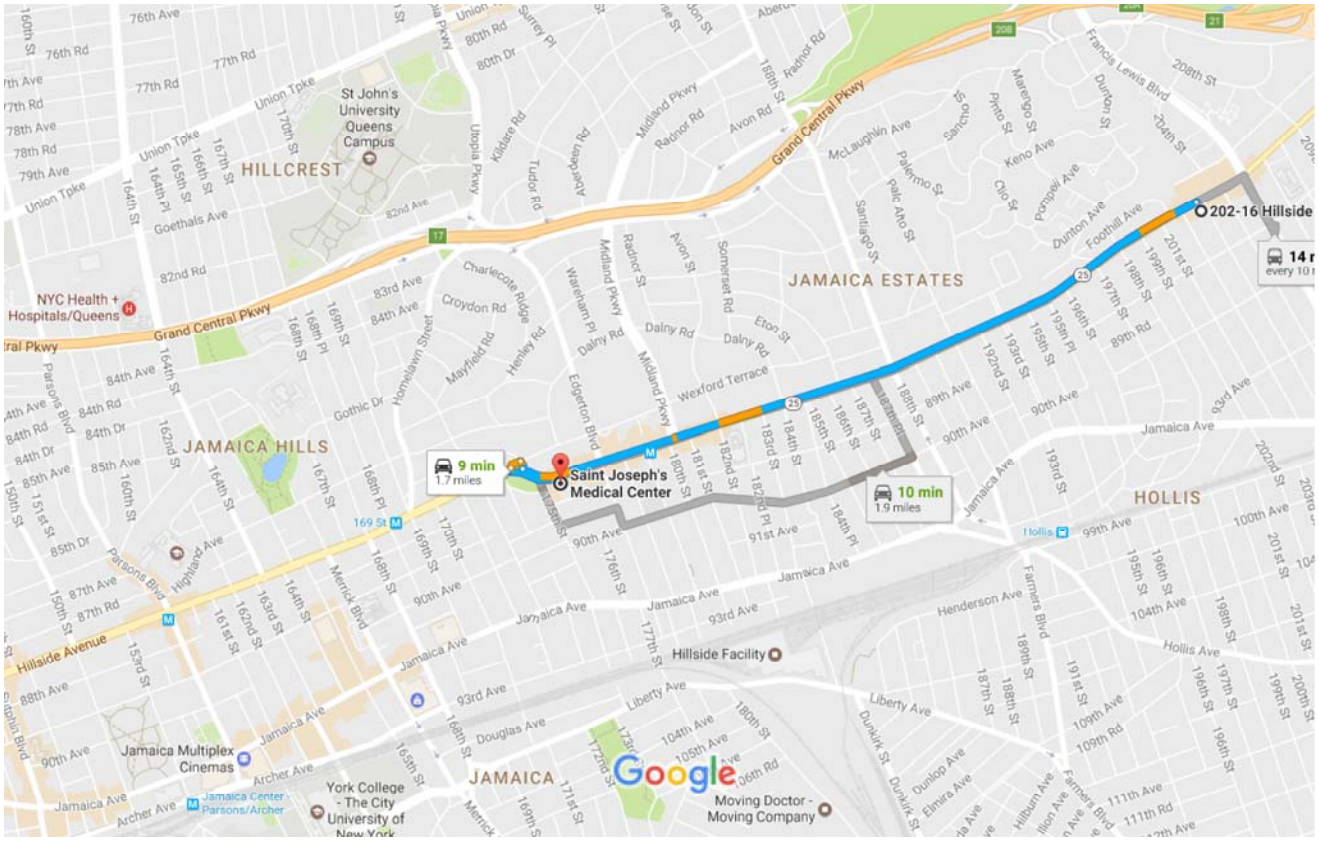
Hospital Information	
Local Hospital: **St. Joseph's Medical Center** 202-16 Hillside Avenue Queens, New York 11423	(718) 558-7230

Scan this QR code or click the link for access to Google Maps to type in the address of your local hospital.

Google Maps

202-16 Hillside Avenue, Jamaica, NY 11423 to Saint Joseph's Medical Center

Drive 1.7 miles, 9 min



Map data ©2017 Google 1000 ft

202-16 Hillside Avenue

Jamaica, NY 11423

1. Head southwest on Hillside Avenue toward 202nd St — 1.6 mi
2. Turn right to stay on Hillside Avenue — 108 ft
3. Turn left at the 1st cross street onto Wexford Terrace — 144 ft
4. Turn left at the 1st cross street onto Hillside Avenue
   Destination will be on the right — 0.1 mi

Saint Joseph's Medical Center

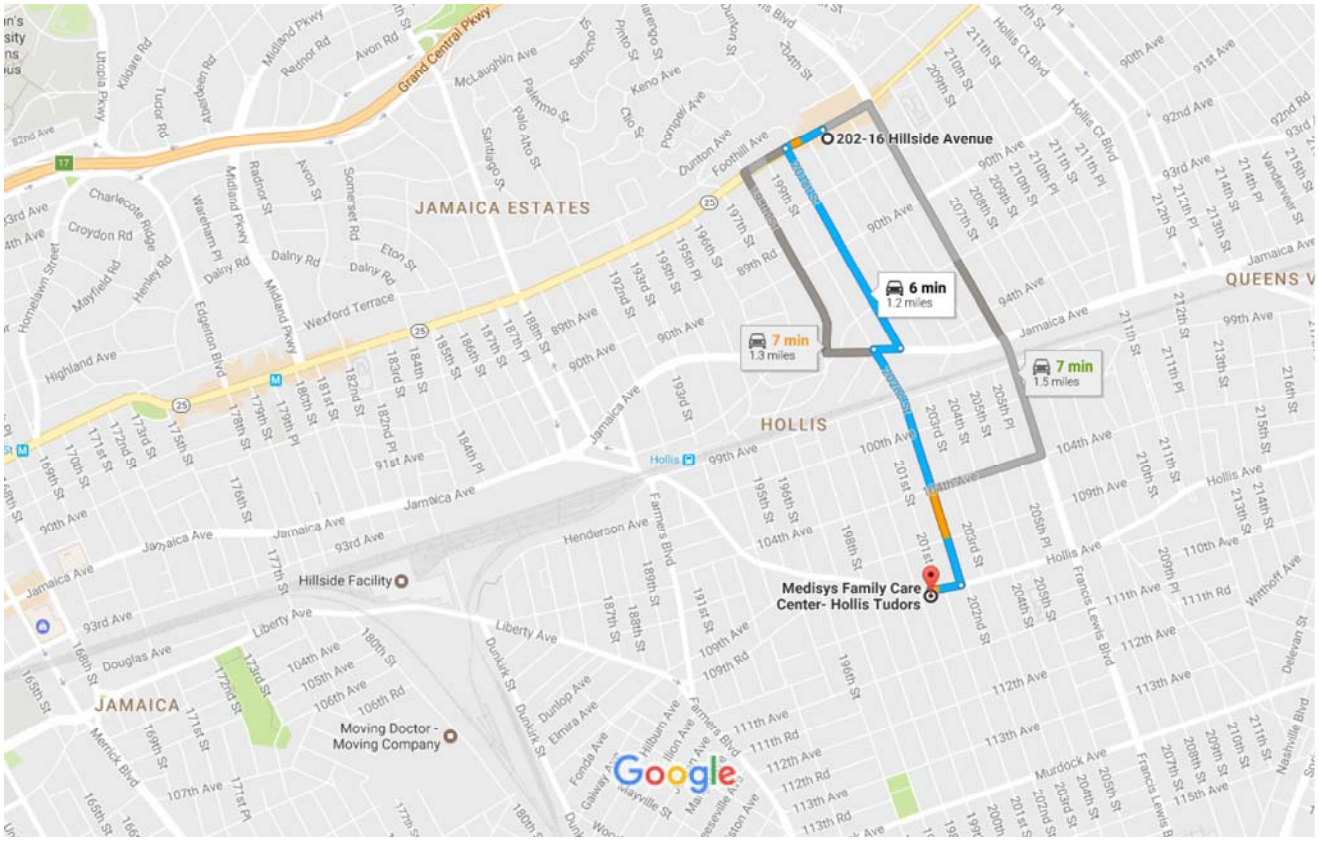
175-20 Hillside Avenue, Jamaica, NY 11432

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Google Maps

202-16 Hillside Avenue, Jamaica, NY 11423 to Medisys Family Care Center- Hollis Tudors

Drive 1.2 miles, 6 min



Map data ©2017 Google 1000 ft

202-16 Hillside Avenue
Jamaica, NY 11423

1. Head southwest on Hillside Avenue [illegible]

463 ft

[illegible]

0.5 mi

[illegible]

295 ft

[illegible]

0.5 mi

[illegible]

Destination will be on the left

351 ft

Medisys Family Care Center- Hollis Tudors

200-16 Hollis Ave, St. Albans, NY 11412

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Appendix B

Job Hazard Analyses

MATERIAL SAFETY DATA SHEET

ALCONOX®

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

ALCONOX

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	**ALCONOX®**
CHEMICAL FAMILY NAME:	Detergent.
PRODUCT USE:	Critical-cleaning detergent for laboratory, healthcare and industrial applications
U.N. NUMBER:	Not Applicable
U.N. DANGEROUS GOODS CLASS:	Non-Regulated Material
SUPPLIER/MANUFACTURER'S NAME:	Alconox, Inc.
ADDRESS:	30 Glenn St., Suite 309, White Plains, NY 10603. USA
EMERGENCY PHONE:	**TOLL-FREE in USA/Canada** 800-255-3924
	International calls 813-248-0585
BUSINESS PHONE:	914-948-4040
DATE OF PREPARATION:	May 2011
DATE OF LAST REVISION:	February 2008

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a white granular powder with little or no odor. Exposure can be irritating to eyes, respiratory system and skin. It is a non-flammable solid. The Environmental effects of this product have not been investigated.

US DOT SYMBOLS

Non-Regulated

CANADA (WHMIS) SYMBOLS



EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Warning!**

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1
EC# 205-633-8 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 268-356-1 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 231-838-7 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 231-767-1 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 207-638-8 Index# 011-005-00-2
EC# 205-788-1 This substance is not classified in the Annex I of Directive 67/548/EEC

GHS Hazard Classification(s):
Eye Irritant Category 2A

Hazard Statement(s):
H319: Causes serious eye irritation

Precautionary Statement(s):
P260: Do not breath dust/fume/gas/mist/vapors/spray
P264: Wash hands thoroughly after handling
P271: Use only in well ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection/

Hazard Symbol(s):
[Xi] Irritant

Risk Phrases:
R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin

Safety Phrases:
S8: Keep container dry
S22: Do not breath dust
S24/25: Avoid contact with skin and eyes

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: Exposure to this product may cause irritation of the eyes, respiratory system and skin. Ingestion may cause gastrointestinal irritation including pain, vomiting or diarrhea.

CHRONIC: This product contains an ingredient which may be corrosive.

TARGET ORGANS: ACUTE: Eye, respiratory System, Skin CHRONIC: None Known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Sodium Bicarbonate	144-55-8	205-633-8	1044	33 - 43%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium (C10 – C16) Alkylbenzene Sulfonate	68081-81-2	268-356-1	Not Listed	10 – 20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Tripolyphosphate	7758-29-4	231-838-7	1469	5 - 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Tetrasodium Pyrophosphate	7722-88-5	231-767-1	1140	5 - 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Carbonate	497-19-8	207-638-8	1135	1 - 10%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36
Sodium Alcohol Sulfate	151-21-3	205-788-1	0502	1 – 5%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000.*

SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing dificulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, or eye problems may be aggravated by prolonged contact.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

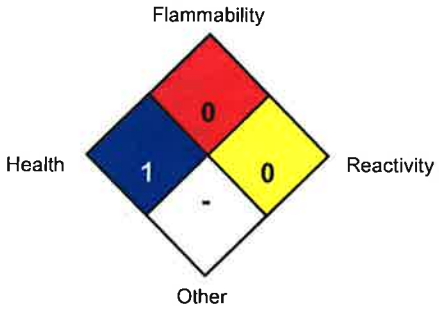
SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: Not Flammable
AUTOIGNITION TEMPERATURE: Not Applicable
FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): NA Upper (UEL): NA
FIRE EXTINGUISHING MATERIALS: As appropriate for surrounding fire. Carbon dioxide, foam, dry chemical, halon, or water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product is non-flammable and has no known explosion hazards.
Explosion Sensitivity to Mechanical Impact: Not Sensitive.
Explosion Sensitivity to Static Discharge: Not Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	1
FLAMMABILITY HAZARD (RED)	0
PHYSICAL HAZARD (YELLOW)	0

PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8

For Routine Industrial Use and Handling Applications

Hazard Scale: **0** = Minimal **1** = Slight **2** = Moderate **3** = Serious **4** = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.
SPILLS: Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Sweep, shovel or vacuum spilled material and place in an appropriate container for re-use or disposal. Avoid dust generation if possible. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dusts generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Store away from strong acids or oxidizers.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	SWA
Sodium Bicarbonate	144-55-8	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium (C10 – C16) Alkylbenzene Sulfonate	68081-81-2	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium Tripolyphosphate	7758-29-4	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Tetrasodium Pyrophosphate	7722-88-5	5 mg/m³	5 mg/m³	5 mg/m³
Sodium Carbonate	497-19-8	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium Alcohol Sulfate	151-21-3	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Based on test data, exposure limits should not be exceeded under normal use conditions when using Alconox Detergent. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use chemical resistant gloves to prevent skin contact.. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
APPEARANCE & ODOR:	White granular powder with little or no odor.
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	Not Applicable
VAPOR DENSITY (AIR=1):	Not Applicable.
BY WEIGHT:	Not Available
EVAPORATION RATE (nBuAc = 1):	Not Applicable.
BOILING POINT (C°):	Not Applicable.
FREEZING POINT (C°):	Not Applicable.
pH:	9.5 (1% aqueous solution)
SPECIFIC GRAVITY 20°C: (WATER =1)	0.85 – 1.1
SOLUBILITY IN WATER (%)	>10% w/w
COEFFICIENT OF WATER/OIL DIST.:	Not Available
VOC:	None
CHEMICAL FAMILY:	Detergent

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable
DECOMPOSITION PRODUCTS: When heated to decomposition this product produces Oxides of carbon (COx)
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong acids and strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with incompatible materials and dust generation.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is available for mixture:

CAS# 497-19-8 LD50 Oral (Rat)	4090 mg/kg
CAS# 497-19-8 LD50 Oral (Mouse)	6600 mg/kg
CAS# 497-19-8 LC50 Inhalation (Rat)	2300 mg/m³ 2H
CAS# 497-19-8 LC50 Inhalation (Mouse)	1200 mg/m³ 2H
CAS# 7758-29-4 LD50 Oral (Rat)	3120 mg/kg
CAS# 7758-29-4 LD50 Oral (Mouse)	3100 mg/kg
CAS# 7722-88-5 LD50 Oral (Rat)	4000 mg/kg

SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.
IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes and respiratory system.
SENSITIZATION OF PRODUCT: This product is not considered a sensitizer.
REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ENVIRONMENTAL STABILITY: No Data available at this time.
EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on this product's effects on aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.
PROPER SHIPPING NAME: Non-Regulated Material
HAZARD CLASS NUMBER and DESCRIPTION: Not Applicable
UN IDENTIFICATION NUMBER: Not Applicable
PACKING GROUP: Not Applicable.
DOT LABEL(S) REQUIRED: Not Applicable
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): Not Applicable
MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:
This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:
This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):
This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:
This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients are on the California Proposition 65 lists.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as a Controlled Product, Hazard Class D2B as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory if Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett Global Safety Management, 10006 Cross Creek Blvd. Suite 440, Tampa, FL 33647

MATERIAL SAFETY DATA SHEET

ALCONOX®

Disclaimer: To the best of Alconox, Inc. knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type either express or implied are provided. The information contained herein relates only to this specific product.

ANNEX:

IDENTIFIED USES OF ALCONOX® AND DIRECTIONS FOR USE

Used to clean: Healthcare instruments, laboratory ware, vacuum equipment, tissue culture ware, personal protective equipment, sampling apparatus, catheters, tubing, pipes, radioactive contaminated articles, optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, metal castings, forgings and stampings, industrial parts, tanks and reactors. Authorized by USDA for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis. FDA certified.

Used to remove: Soil, grit, grime, buffing compound, slime, grease, oils, blood, tissue, salts, deposits, particulates, solvents, chemicals, radioisotopes, radioactive contaminations, silicon oils, mold release agents.

Surfaces cleaned: Corrosion inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, rubber and fiberglass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Corrosion testing may be advisable.

Cleaning method: Soak, brush, sponge, cloth, ultrasonic, flow through clean-inplace. Will foam—not for spray or machine use.

Directions: Make a fresh 1% solution (2 1/2 Tbsp. per gal., 1 1/4 oz. per gal. or 10 grams per liter) in cold, warm, or hot water. If available use warm water. Use cold water for blood stains. For difficult soils, raise water temperature and use more detergent. Clean by soak, circulate, wipe, or ultrasonic method. Not for spray machines, will foam. For nonabrasive scouring, make paste. Use 2% solution to soak frozen stopcocks. To remove silver tarnish, soak in 1% solution in aluminum container. RINSE THOROUGHLY—preferably with running water. For critical cleaning, do final or all rinsing in distilled, deionized, or purified water. For food contact surfaces, rinse with potable water. Used on a wide range of glass, ceramic, plastic, and metal surfaces. Corrosion testing may be advisable.

Appendix C

Safety Data Sheets

MATERIAL SAFETY DATA SHEET

ALCONOX®

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

ALCONOX

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	**ALCONOX®**
CHEMICAL FAMILY NAME:	Detergent.
PRODUCT USE:	Critical-cleaning detergent for laboratory, healthcare and industrial applications
U.N. NUMBER:	Not Applicable
U.N. DANGEROUS GOODS CLASS:	Non-Regulated Material
SUPPLIER/MANUFACTURER'S NAME:	Alconox, Inc.
ADDRESS:	30 Glenn St., Suite 309, White Plains, NY 10603. USA
EMERGENCY PHONE:	**TOLL-FREE in USA/Canada** 800-255-3924
	International calls 813-248-0585
BUSINESS PHONE:	914-948-4040
DATE OF PREPARATION:	May 2011
DATE OF LAST REVISION:	February 2008

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a white granular powder with little or no odor. Exposure can be irritating to eyes, respiratory system and skin. It is a non-flammable solid. The Environmental effects of this product have not been investigated.

US DOT SYMBOLS

Non-Regulated

CANADA (WHMIS) SYMBOLS



EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Warning!**

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1
EC# 205-633-8 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 268-356-1 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 231-838-7 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 231-767-1 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 207-638-8 Index# 011-005-00-2
EC# 205-788-1 This substance is not classified in the Annex I of Directive 67/548/EEC

GHS Hazard Classification(s):
Eye Irritant Category 2A

Hazard Statement(s):
H319: Causes serious eye irritation

Precautionary Statement(s):
P260: Do not breath dust/fume/gas/mist/vapors/spray
P264: Wash hands thoroughly after handling
P271: Use only in well ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection/

Hazard Symbol(s):
[Xi] Irritant

Risk Phrases:
R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin

Safety Phrases:
S8: Keep container dry
S22: Do not breath dust
S24/25: Avoid contact with skin and eyes

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: Exposure to this product may cause irritation of the eyes, respiratory system and skin. Ingestion may cause gastrointestinal irritation including pain, vomiting or diarrhea.

CHRONIC: This product contains an ingredient which may be corrosive.

TARGET ORGANS: ACUTE: Eye, respiratory System, Skin CHRONIC: None Known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Sodium Bicarbonate	144-55-8	205-633-8	1044	33 - 43%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium (C10 – C16) Alkylbenzene Sulfonate	68081-81-2	268-356-1	Not Listed	10 – 20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Tripolyphosphate	7758-29-4	231-838-7	1469	5 - 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Tetrasodium Pyrophosphate	7722-88-5	231-767-1	1140	5 - 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Carbonate	497-19-8	207-638-8	1135	1 - 10%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36
Sodium Alcohol Sulfate	151-21-3	205-788-1	0502	1 – 5%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000.*

SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing dificulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, or eye problems may be aggravated by prolonged contact.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

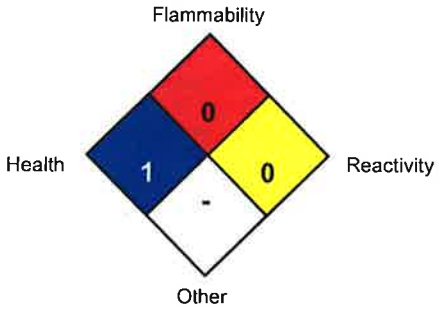
SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: Not Flammable
AUTOIGNITION TEMPERATURE: Not Applicable
FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): NA Upper (UEL): NA
FIRE EXTINGUISHING MATERIALS: As appropriate for surrounding fire. Carbon dioxide, foam, dry chemical, halon, or water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product is non-flammable and has no known explosion hazards.
Explosion Sensitivity to Mechanical Impact: Not Sensitive.
Explosion Sensitivity to Static Discharge: Not Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	1
FLAMMABILITY HAZARD (RED)	0
PHYSICAL HAZARD (YELLOW)	0

PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8

For Routine Industrial Use and Handling Applications

Hazard Scale: **0** = Minimal **1** = Slight **2** = Moderate **3** = Serious **4** = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.
SPILLS: Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Sweep, shovel or vacuum spilled material and place in an appropriate container for re-use or disposal. Avoid dust generation if possible. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dusts generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Store away from strong acids or oxidizers.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	SWA
Sodium Bicarbonate	144-55-8	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium (C10 – C16) Alkylbenzene Sulfonate	68081-81-2	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium Tripolyphosphate	7758-29-4	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Tetrasodium Pyrophosphate	7722-88-5	5 mg/m³	5 mg/m³	5 mg/m³
Sodium Carbonate	497-19-8	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium Alcohol Sulfate	151-21-3	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Based on test data, exposure limits should not be exceeded under normal use conditions when using Alconox Detergent. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use chemical resistant gloves to prevent skin contact.. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
APPEARANCE & ODOR:	White granular powder with little or no odor.
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	Not Applicable
VAPOR DENSITY (AIR=1):	Not Applicable.
BY WEIGHT:	Not Available
EVAPORATION RATE (nBuAc = 1):	Not Applicable.
BOILING POINT (C°):	Not Applicable.
FREEZING POINT (C°):	Not Applicable.
pH:	9.5 (1% aqueous solution)
SPECIFIC GRAVITY 20°C: (WATER =1)	0.85 – 1.1
SOLUBILITY IN WATER (%)	>10% w/w
COEFFICIENT OF WATER/OIL DIST.:	Not Available
VOC:	None
CHEMICAL FAMILY:	Detergent

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable
DECOMPOSITION PRODUCTS: When heated to decomposition this product produces Oxides of carbon (COx)
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong acids and strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with incompatible materials and dust generation.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is available for mixture:

CAS# 497-19-8 LD50 Oral (Rat)	4090 mg/kg
CAS# 497-19-8 LD50 Oral (Mouse)	6600 mg/kg
CAS# 497-19-8 LC50 Inhalation (Rat)	2300 mg/m³ 2H
CAS# 497-19-8 LC50 Inhalation (Mouse)	1200 mg/m³ 2H
CAS# 7758-29-4 LD50 Oral (Rat)	3120 mg/kg
CAS# 7758-29-4 LD50 Oral (Mouse)	3100 mg/kg
CAS# 7722-88-5 LD50 Oral (Rat)	4000 mg/kg

SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.
IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes and respiratory system.
SENSITIZATION OF PRODUCT: This product is not considered a sensitizer.
REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ENVIRONMENTAL STABILITY: No Data available at this time.
EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on this product's effects on aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.
PROPER SHIPPING NAME: Non-Regulated Material
HAZARD CLASS NUMBER and DESCRIPTION: Not Applicable
UN IDENTIFICATION NUMBER: Not Applicable
PACKING GROUP: Not Applicable.
DOT LABEL(S) REQUIRED: Not Applicable
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): Not Applicable
MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:
This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:
This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):
This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:
This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients are on the California Proposition 65 lists.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as a Controlled Product, Hazard Class D2B as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory if Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett Global Safety Management, 10006 Cross Creek Blvd. Suite 440, Tampa, FL 33647

MATERIAL SAFETY DATA SHEET

ALCONOX®

Disclaimer: To the best of Alconox, Inc. knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type either express or implied are provided. The information contained herein relates only to this specific product.

ANNEX:

IDENTIFIED USES OF ALCONOX® AND DIRECTIONS FOR USE

Used to clean: Healthcare instruments, laboratory ware, vacuum equipment, tissue culture ware, personal protective equipment, sampling apparatus, catheters, tubing, pipes, radioactive contaminated articles, optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, metal castings, forgings and stampings, industrial parts, tanks and reactors. Authorized by USDA for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis. FDA certified.

Used to remove: Soil, grit, grime, buffing compound, slime, grease, oils, blood, tissue, salts, deposits, particulates, solvents, chemicals, radioisotopes, radioactive contaminations, silicon oils, mold release agents.

Surfaces cleaned: Corrosion inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, rubber and fiberglass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Corrosion testing may be advisable.

Cleaning method: Soak, brush, sponge, cloth, ultrasonic, flow through clean-inplace. Will foam—not for spray or machine use.

Directions: Make a fresh 1% solution (2 1/2 Tbsp. per gal., 1 1/4 oz. per gal. or 10 grams per liter) in cold, warm, or hot water. If available use warm water. Use cold water for blood stains. For difficult soils, raise water temperature and use more detergent. Clean by soak, circulate, wipe, or ultrasonic method. Not for spray machines, will foam. For nonabrasive scouring, make paste. Use 2% solution to soak frozen stopcocks. To remove silver tarnish, soak in 1% solution in aluminum container. RINSE THOROUGHLY—preferably with running water. For critical cleaning, do final or all rinsing in distilled, deionized, or purified water. For food contact surfaces, rinse with potable water. Used on a wide range of glass, ceramic, plastic, and metal surfaces. Corrosion testing may be advisable.

Appendix D

Forms

Safety Briefing Log

GEI Consultants

Project Number:	**Project Name:**
Date:	**Time:**
Briefing Conducted by:	**Signature:**

This sign-in log documents the tailgate briefing conducted in accordance with the HASP. Personnel who perform work operations on site are required to attend each briefing and to acknowledge receipt of each briefing.

TOPICS COVERED (check all those covered):

☐ General PPE Usage	☐ Confined Space	☐ Excavation Safety
☐ Hearing Conservation	☐ Slips, Trips, Falls	☐ Confined Space
☐ Respiratory Protection	☐ Heat Stress	☐ Traffic Safety
☐ Personal Hygiene	☐ Cold Stresses	☐ Changes to the HASP
☐ Exposure Guidelines	☐ Site Control	☐ Initial Review of Hazard Evaluation
☐ Decon Procedures	☐ Work Zones	☐ Other (Specify):
☐ Emergency Procedures (include route to hospital)	☐ Lockout/Tagout	☐ Other (Specify):

Personnel Sign-in List

Printed Name	Signature	Company Name

Project Safety Briefing Form

Project Number:	**Project Name:**	
Date:	**Time:**	**Project Manager:**
Briefing Conducted by:		**Signature:**

This sign-in log documents the project specific-briefing conducted in accordance with the HASP and GEI H&S policy. GEI personnel who perform work on site are required to attend the Project briefing and to acknowledge it's receipt. Applicable health and safety SOPs are also required to be reviewed in this briefing and attached as an appendix to the HASP. Prior to the start of the project **or upon the start of a new on-site project team member**, this form must be completed. Please email this completed form to Health&SafetyCommittee@geiconsultants.com.

TOPICS COVERED (check all those covered):

☐	General PPE Usage	☐	Excavation Safety	☐	SOP:
☐	Hearing Conservation	☐	Confined Space	☐	SOP:
☐	Respiratory Protection	☐	Traffic Safety	☐	SOP:
☐	Personal Hygiene	☐	Changes to the HASP	☐	SOP:
☐	Exposure Guidelines	☐	Site Control	☐	SOP:
☐	Decon Procedures	☐	Work Zones	☐	SOP:
☐	Emergency Procedures (include route to hospital)	☐	Lockout/Tagout	☐	SOP:
		☐	Review of Hazard Evaluation	☐	SOP:
☐	Confined Space			☐	SOP:
☐	Slips, Trips, Falls	☐	Other (Specify):	☐	SOP:
☐	Heat Stress	☐	Other (Specify):	☐	SOP:
☐	Cold Stress	☐	Other (Specify):	☐	SOP:

Personnel Sign-in List

Printed Name	Signature

GEI Consultants

Accident/Incident Report Form

Please complete this form and send it to your Branch Manager, HR and CHSO ***within 24 hours*** of the incident.

SECTION A — ACCIDENT/INCIDENT DETAILS

EMPLOYEE INFORMATION:

Name: _____

Home Address: _____
Street Address City State Zip Code

Contact Information: ( ) _____ ( ) _____
Primary Secondary

Date of Birth: _____

Date of Hire: _____

Branch: _____

Supervisor: _____

OTHER INJURED (IF APPLICABLE):

Name: _____

Home Address: _____
Street Address City State Zip Code

Contact Information: ( ) _____ ( ) _____
Primary Secondary

Date of Birth: _____

Date of Hire: _____

Branch: _____

Supervisor: _____

Date and Time Accident/Incident	Date and Time Reported
_____ /_____ /_____ Month Day Year	_____ /_____ /_____ Month Day Year
_____ A.M. _____ P.M.	_____ A.M. _____ P.M.

LOCATION OF INCIDENT/ACCIDENT

Project Name: _____

Client and Location: _____

or _____

Office Location: _____

INCIDENT TYPE: (Check All That Applies)

- ☐ **Personal Injury/Illness**
- ☐ **Vehicle Accident**
- ☐ **Property Damage**
- ☐ **Environmental Spill**
- ☐ **Other**

WITNESS INFORMATION

Name: _____

Contact Number: _____

Company: _____

WHAT HAPPENED TO THE INJURED PARTY: ☐ First Aid Administered ☐ Refused Treatment/Transport ☐ Transported to Hospital ☐ Returned to Work ☐ Went Home ☐ Went to Physician ☐ Unknown

Clinic/Hospital or Treating Physician: _____ Phone: _____
Name Street Address City State Zip Code

SECTION B — PERSONAL INJURY

Cause of Injury: _____

Part of Body Injured: _____ Multiple Injuries: ☐ Y ☐ N

Was PPE worn when injured? : ☐ Y ☐ N What PPE was worn? _____

WAS INJURY A RESULT OF THE USE A MOTOR VEHICLE: ☐ **YES** ☐ **NO** **(If yes, complete Section C)**

GEI Consultants

Accident/Incident Report Form

Please complete this form and send it to your Branch Manager, HR and CHSO ***within 24 hours*** of the incident.

SECTION C — AUTO ACCIDENT ONLY

DRIVER/VEHICLE INFORMATION

Name of Insured: _____

Department: _____

Driver's License Number: _____

DOB: ____/____/____ State: _____

Description of Vehicle: License Plate Number: _____

Make: _____ Model: _____ Year:_____ Color:_____

Owner: _____

Name of Other Driver: _____

Driver's License Number: _____

State: _____

Description of Vehicle: License Plate Number: _____

Make: _____ Model:_____ Year: _____ Color:_____

Insurance Carrier: _____

Policy Number: _____ Ph. Number:_____

SECTION D — PROPERTY DAMAGE OR CHEMICAL RELEASE ONLY

Type of Damage(s): _____

Cause of Damage(s): _____

Type of Chemical Released (if known): _____

Quantity of Chemical Released: _____

Spill Measures Employed: _____

SECTION E — NATURE OF ACCIDENT/INCIDENT AND EXTENT OF INJURIES/DAMAGES

(Please give a detailed description of what happened. Attach a sketch or picture if applicable)

_____

_____

_____

_____

_____

_____

_____

_____

_____

I hereby certify that the above information is true and correct to my understanding of this accident/incident.

_____ _____

Employee/Preparer's Name **Date and Time**

NEAR MISS REPORT

A near miss is a potential hazard or incident that has not resulted in any personal injury. Unsafe working conditions, unsafe employee work habits, improper use of equipment, or use of malfunctioning equipment have the potential to cause work related injuries. It is everyone's responsibility to report and/or correct these potential accidents/incidents immediately. Please complete this form as a means to report these near-miss situations. Send a copy of the completed form to the Project Manager, Regional Health and Safety Officer and the Corporate Health and Safety Officer.

Location: _____ Site Name: _____

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Weather conditions, site operations taking place during near miss. _____

Please check all appropriate conditions:

☐ Unsafe Act ☐ Unsafe equipment

☐ Unsafe Condition ☐ Unsafe use of equipment

Description of incident or potential hazard: _____

Employees or sub-contractors involved if applicable._____

Employee Signature _____ Date _____

Print Name _____

NEAR MISS INVESTGATION

Description of the near-miss condition: _____
Causes (primary & contributing) _____
Corrective action taken (Remove the hazard, replace, repair, or retrain in the proper procedures for the task) _____
Actions not yet taken_____

Signed: _____ Date Completed: _____

Print Name
Not completed for the following reason: _____Date:_____

GEI Consultants

Appendix E

GEI's Health and Safety SOPs and Programs

Applicable GEI H&S SOPs *(check all that apply)*		
☒ Biological Hazards – 001	☒ Inclement Weather – 010	☐ Aerial Lift – 020
✔ Bloodborne Pathogens – 002	☐ Ladders -011	☐ Mobile Equipment – 021
☒ Container Management – 003	☒ Noise Exposure -012	☐ Aquatic Ecological Survey & Electrofishing -022
☒ Driver Safety - 004	☐ Nuclear Density Gauge Operation -013	☐ Scaffolding - 023
☐ Electrical Safety - 005a	☒ Utility Markout-014	☐ Wilderness Safety - 024
☐ Lockout Tagout - 005b	☐ Respirator Fit Test Procedure-015	☒ Manual Lifting – 025
☐ Excavation Trenching - 006	☒ Traffic Hazards -016	✔ Hazard Identification - 026
☒ Non-Powered Hand Tools - 008a	☐ Water Safety – 017	☐ Confined Space Entry for Sanitary Sewers – 027
☐ Powered Hand Tools – 008b	☒ Working Around Heavy Equipment – 018	☐ Safe Trailer Use – 028
☒ Hazardous Substances Management -009	☐ Rail Safety -019	✔ COVID-19 Consolidated Workplace Guidelines

Scan this QR code with your smartphone to access all GEI H&S SOPs

Applicable GEI H&S Programs *(check all that apply)*		
☐ Asbestos Program	☐ DOT Driver Safety	☐ Hydrogen Sulfide
☐ Arsenic Safety	✔ Ergonomic	☐ Injury and Illness Prevention (California Only)
☐ Benzene Awareness	☐ Fall Protection	☒ Respiratory Protection Program
☐ Cadmium Safety	✔ Hazard Communication	☐ Lead Awareness
☒ Cold Stress	☒ Hearing Conservation	✔ Fire Prevention
☐ Confined Space Entry	☒ Heat Illness Prevention	
☐ Crystalline Silica	☐ Hexavalent Chromium	

Scan this QR code with your smartphone to access all GEI Programs

Crystalline Silica Program

Policy and Purpose

This Crystalline Silica Program (program) outlines the procedures, precautions, responsibilities, and methods used by GEI Consultants, Inc. (GEI) to provide for employee safety and health and compliance with the OSHA Silica Standard. Exposure to crystalline silica has been shown to cause silicosis, lung cancer, pulmonary tuberculosis and other airway diseases. This program applies to employees that work on projects where crystalline silica is a potential concern based on the site history, contaminants, or type of activities being performed.

Scope

This program has been developed to protect employees from potential exposure to crystalline silica during the performance of work at sites where there is a potential for crystalline silica exposure. Respirable crystalline silica – very small particles at least 100 times smaller than ordinary sand – is created during work operations involving stone, rock, concrete, brick, block, mortar, and industrial sand. Exposures to respirable crystalline silica can occur when cutting, sawing, grinding, drilling, and crushing these materials. These exposures are common in brick, concrete, and pottery manufacturing operations, as well as during operations using industrial sand products, such as in foundries, sand blasting, and hydraulic fracturing (fracking) operations in the oil and gas industry.

The program is also intended to address compliance with the OSHA Silica Standard, as a minimum.

Location and Review of Written Program

The Silica Safety program will be reviewed and updated annually, or more often, to reflect status of the program and is available for review by employees or their authorized representative through the Safety page of the GEI Connections intranet.

Responsibilities

Overall coordination and implementation of GEI's Silica Safety Program is the responsibility of the Corporate Health and Safety Officer (CHSO). Any questions, comments, or suggestions relating to this Program should be directed to the GEI Safety Team. It is the responsibility of each Employee (regardless of status) to implement GEI's safety policy and procedure on silica safety. It is also the responsibility of each employee to immediately report any unsafe act or condition to his or her Supervisor, Project Manager, and a member of the Safety Team.

GEI employees and subcontractors will not perform any task that has the potential for exposure to crystalline silica without the performing a hazard analysis, monitoring (if necessary), implementation of engineering controls, proper training and proper Personal Protective Equipment (PPE).

General

Crystalline silica is a basic component of soil, sand, granite, and many other minerals. Quartz is the most common form of crystalline silica. Cristobalite and tridymite are two other forms of crystalline silica. All three forms may become respirable size particles when workers chip, cut, drill, or grind objects that contain crystalline silica.

GEI employees will not enter a worksite where crystalline silica where the potential for crystalline silica exposure is present without first having been trained in the requirements of this program. GEI employees are responsible for complying with all requirements of this program. Prior to working at a project where crystalline silica exposure potentially exists, a site-specific health and safety plan (HASP) will be prepared and will include the assessment of the hazard and identification of control measures to be implemented. OSHA's Table 1 (attached) will be used to determine control measures and appropriate PPE during HASP development.

Where crystalline silica hazards exist that cannot be eliminated, engineering practices, administrative practices, safe work practices, Personal Protective Equipment (PPE), and proper training regarding silica will be implemented. These measures will be implemented to maintain the safety of employees and the public.

Permissible Exposure Limits and Monitoring

In 2016, OSHA updated the crystalline silica standard which established a new permissible exposure limit (PEL). The new PEL for crystalline silica is 50 micrograms of respirable crystalline silica per cubic meter (ug/m^3) of air for an eight (8) hour time weighted average (TWA). The Action Level (AL) for work place exposure to silica is 25 ug/m^3. (Previously the

PEL was 0.1 mg/m^3 for an 8 hour TWA of respirable silica dust and the action level (AL) was .05 mg/m^3 TWA.)

GEI will either implement the control methods laid out in Table 1 (see Attachment 1) of the construction standard, or exposure to silica will be measured using air monitoring and sampling procedures to assist in deciding which dust controls work best to minimize exposures.

Determination of airborne exposure levels will be made from air samples that are representative of each employee's exposure to crystalline silica over an 8-hour period. The requirements of this program will be implemented when the AL is exceeded to reduce exposures below the AL by means of engineering and work practice controls. Records of the monitoring data for projects involving silica will be kept in the respective project files.

Personal Protective Equipment

Employees working at sites where crystalline silica is expected will wear protective clothing that may include coveralls, gloves, boot covers, and an air-purifying respirator. PPE is supplied to GEI employees at no cost to the employee. Hardhats or other PPE will be used as necessary and decontaminated after each use. All reusable PPE will be cleaned after use. Specific PPE that is required will be identified in the project HASP.

Training

Affected GEI employees that are potentially exposed to crystalline silica or prior to using silica-containing materials will be trained before work at the project site. GEI uses an eLearning system that documents the name of the employee, date of training, successful completion of training, and acknowledgement that the employee read the GEI Crystalline Silica Program.

Signage

At sites where the crystalline silica PEL is expected to be met or is established by air monitoring the required OSHA Silica Warning Signs will be posted at the project site for hazard communication.

Medical Monitoring

GEI maintains a continuous, corporate, medical surveillance program that includes a plan designed specifically for field personnel engaged in work at sites where hazardous or toxic materials may be present. The CHSO is responsible for the administration, coordination, and recordkeeping of medical evaluations conducted for GEI's employees. Comprehensive examinations are given to GEI field personnel on an annual or biennial basis (as determined to be

appropriate by the CHSO) participating in hazardous waste operations. The medical results of the examinations aid in determining the overall fitness of employees participating in field activities.

GEI personnel included in the medical monitoring program undergo a complete initial physical examination, including a detailed medical and occupational history, before they participate in hazardous waste site investigations. Extensive annual/biennial reexaminations are also performed. Upon completion of these tests, personnel are certified by an occupational health physician as to whether they are fit for field work in general, and fit to use respiratory protection.

If a GEI employee shows symptoms of exposure to a hazardous substance and wishes to be rechecked, he/she will be directed to the nearest area hospital or medical facility.

GEI subcontractor personnel that will enter any area where crystalline silica is expected to be above present must certify that they are participating in a medical surveillance program and train their employees in a manner that complies with OSHA regulations. Proof of medical clearance will be submitted to the GEI Project Manager or Site Safety Officer prior to the start of field activities.

Hygiene

No eating, drinking, applying cosmetics, or smoking is allowed in work areas where there is potential exposure to crystalline silica.

Attachments

OSHA Fact Sheet: OSHA's Crystalline Silica Rule: Construction
OSHA Table 1: Specified Exposure Control Methods When Working with Materials Containing Crystalline Silica

References (OSHA Standards)

29 CFR 1926.1153 – Respirable Crystalline Silica

§1926.1153 Respirable crystalline silica.

(c) Specified exposure control methods. (1) For each employee engaged in a task identified on Table 1, the employer shall fully and properly implement the engineering controls, work practices, and respiratory protection specified for the task on Table 1, unless the employer assesses and limits the exposure of the employee to respirable crystalline silica in accordance with paragraph (d) of this section.

Table 1: Specified Exposure Control Methods When Working With Materials Containing Crystalline Silica

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(i) Stationary masonry saws	Use saw equipped with integrated water delivery system that continuously feeds water to the blade. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions.	None	None
(ii) Handheld power saws (any blade diameter)	Use saw equipped with integrated water delivery system that continuously feeds water to the blade. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. – When used outdoors. – When used indoors or in an enclosed area.	None APF 10	APF 10 APF 10

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(iii) Handheld power saws for cutting fiber-cement board (with blade diameter of 8 inches or less)	For tasks performed outdoors only: Use saw equipped with commercially available dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency.	None	None
(iv) Walk-behind saws	Use saw equipped with integrated water delivery system that continuously feeds water to the blade. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. – When used outdoors. – When used indoors or in an enclosed area.	None APF 10	None APF 10
(v) Drivable saws	For tasks performed outdoors only: Use saw equipped with integrated water delivery system that continuously feeds water to the blade. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions.	None	None

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(vi) Rig-mounted core saws or drills	Use tool equipped with integrated water delivery system that supplies water to cutting surface. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions.	None	None
(vii) Handheld and stand-mounted drills (including impact and rotary hammer drills)	Use drill equipped with commercially available shroud or cowling with dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism. Use a HEPA-filtered vacuum when cleaning holes.	None	None
(viii) Dowel drilling rigs for concrete	For tasks performed outdoors only: Use shroud around drill bit with a dust collection system. Dust collector must have a filter with 99% or greater efficiency and a filter-cleaning mechanism. Use a HEPA-filtered vacuum when cleaning holes.	APF 10	APF 10
(ix) Vehicle-mounted drilling rigs for rock and concrete	Use dust collection system with close capture hood or shroud around drill bit with a low-flow water spray to wet the dust at the discharge point from the dust collector. OR Operate from within an enclosed cab and use water for dust suppression on drill bit.	None None	None None

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(x) Jackhammers and handheld powered chipping tools	Use tool with water delivery system that supplies a continuous stream or spray of water at the point of impact. – When used outdoors. – When used indoors or in an enclosed area. OR Use tool equipped with commercially available shroud and dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism. – When used outdoors. – When used indoors or in an enclosed area.	None APF 10 None APF 10	APF 10 APF 10 APF 10 APF 10
(xi) Handheld grinders for mortar removal (i.e., tuckpointing)	Use grinder equipped with commercially available shroud and dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide 25 cubic feet per minute (cfm) or greater of airflow per inch of wheel diameter and have a filter with 99% or greater efficiency and a cyclonic pre-separator or filter-cleaning mechanism.	APF 10	APF 25

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(xii) Handheld grinders for uses other than mortar removal	For tasks performed outdoors only: Use grinder equipped with integrated water delivery system that continuously feeds water to the grinding surface. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. OR Use grinder equipped with commercially available shroud and dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide 25 cubic feet per minute (cfm) or greater of airflow per inch of wheel diameter and have a filter with 99% or greater efficiency and a cyclonic pre-separator or filter-cleaning mechanism.	None	None
	– When used outdoors.	None	None
	– When used indoors or in an enclosed area.	None	APF 10

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(xiii) Walk-behind milling machines and floor grinders	Use machine equipped with integrated water delivery system that continuously feeds water to the cutting surface. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. OR Use machine equipped with dust collection system recommended by the manufacturer. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide the air flow recommended by the manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism. When used indoors or in an enclosed area, use a HEPA-filtered vacuum to remove loose dust in between passes.	None None	None None
(xiv) Small drivable milling machines (less than half-lane)	Use a machine equipped with supplemental water sprays designed to suppress dust. Water must be combined with a surfactant. Operate and maintain machine to minimize dust emissions.	None	None

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(xv) Large drivable milling machines (half-lane and larger)	For cuts of any depth on asphalt only: Use machine equipped with exhaust ventilation on drum enclosure and supplemental water sprays designed to suppress dust. Operate and maintain machine to minimize dust emissions. For cuts of four inches in depth or less on any substrate: Use machine equipped with exhaust ventilation on drum enclosure and supplemental water sprays designed to suppress dust. Operate and maintain machine to minimize dust emissions. OR Use a machine equipped with supplemental water spray designed to suppress dust. Water must be combined with a surfactant. Operate and maintain machine to minimize dust emissions.	None None None	None None None
(xvi) Crushing machines	Use equipment designed to deliver water spray or mist for dust suppression at crusher and other points where dust is generated (e.g., hoppers, conveyers, sieves/sizing or vibrating components, and discharge points). Operate and maintain machine in accordance with manufacturer's instructions to minimize dust emissions. Use a ventilated booth that provides fresh, climate-controlled air to the operator, or a remote control station.	None	None

Equipment / Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hours /shift	> 4 hours /shift
(xvii) Heavy equipment and utility vehicles used to abrade or fracture silica-containing materials (e.g., hoe-ramming, rock ripping) or used during demolition activities involving silica-containing materials	Operate equipment from within an enclosed cab. When employees outside of the cab are engaged in the task, apply water and/or dust suppressants as necessary to minimize dust emissions.	None None	None None
(xviii) Heavy equipment and utility vehicles for tasks such as grading and excavating but not including: demolishing, abrading, or fracturing silica- containing materials	Apply water and/or dust suppressants as necessary to minimize dust emissions. OR When the equipment operator is the only employee engaged in the task, operate equipment from within an enclosed cab.	None None	None None

(2) When implementing the control measures specified in Table 1, each employer shall:

(i) For tasks performed indoors or in enclosed areas, provide a means of exhaust as needed to minimize the accumulation of visible airborne dust;

(ii) For tasks performed using wet methods, apply water at flow rates sufficient to minimize release of visible dust;

(iii) For measures implemented that include an enclosed cab or booth, ensure that the enclosed cab or booth:

(A) Is maintained as free as practicable from settled dust;

(B) Has door seals and closing mechanisms that work properly;

(C) Has gaskets and seals that are in good condition and working properly;

(D) Is under positive pressure maintained through continuous delivery of fresh air;

(E) Has intake air that is filtered through a filter that is 95% efficient in the 0.3-10.0 μm range (e.g., MERV-16 or better); and

(F) Has heating and cooling capabilities.

(3) Where an employee performs more than one task on Table 1 during the course of a shift, and the total duration of all tasks combined is more than four hours, the required respiratory protection for each task is the respiratory protection specified for more than four hours per shift. If the total duration of all tasks on Table 1 combined is less than four hours, the required respiratory protection for each task is the respiratory protection specified for less than four hours per shift.

OSHA® FactSheet

OSHA's Crystalline Silica Rule: Construction

OSHA is issuing two standards to protect workers from exposure to respirable crystalline silica—one for construction, and the other for general industry and maritime—in order to allow employers to tailor solutions to the specific conditions in their workplaces.

Who is affected by the construction standard?

About two million construction workers are exposed to respirable crystalline silica in over 600,000 workplaces. OSHA estimates that more than 840,000 of these workers are exposed to silica levels that exceed the new permissible exposure limit (PEL).

Exposure to respirable crystalline silica can cause silicosis, lung cancer, other respiratory diseases, and kidney disease. Exposure can occur during common construction tasks such as using masonry saws, grinders, drills, jackhammers and handheld powered chipping tools; operating vehicle-mounted drilling rigs; milling; operating crushing machines; and using heavy equipment for demolition or certain other tasks.



Photo: NIOSH

Without dust controls, using a handheld power saw to cut concrete can expose workers to high levels of respirable crystalline silica.

The construction standard does not apply where exposures will remain low under any foreseeable conditions; for example, when only performing tasks such as mixing mortar; pouring concrete footers, slab foundation and foundation walls; and removing concrete formwork.

What does the standard require?

The standard requires employers to limit worker exposures to respirable crystalline silica and to take other steps to protect workers.

The standard provides flexible alternatives, especially useful for small employers. Employers can either use a control method laid out in **Table 1*** of the construction standard, or they can measure workers' exposure to silica and independently decide which dust controls work best to limit exposures to the PEL in their workplaces.

Regardless of which exposure control method is used, all construction employers covered by the standard are required to:

- Establish and implement a **written exposure control plan** that identifies tasks that involve exposure and methods used to protect workers, including procedures to restrict access to work areas where high exposures may occur.
- Designate a **competent** person to implement the written exposure control plan.
- Restrict **housekeeping** practices that expose workers to silica where feasible alternatives are available.
- Offer **medical exams**—including chest X-rays and lung function tests—every three years for workers who are required by the standard to wear a respirator for 30 or more days per year.

- **Train workers** on work operations that result in silica exposure and ways to limit exposure.
- **Keep records** of workers' silica exposure and medical exams.

What is Table 1?

Table 1 matches common construction tasks with dust control methods, so employers know exactly what they need to do to limit worker exposures to silica. The dust control measures listed in the table include methods known to be effective, like using water to keep dust from getting into the air or using ventilation to capture dust. In some operations, respirators may also be needed.

Employers who follow Table 1 correctly are not required to measure workers' exposure to silica and are not subject to the PEL.

Table 1 Example: Handheld Power Saws

If workers are sawing silica-containing materials, they can use a saw with a built-in system that applies water to the saw blade. The water limits the amount of respirable crystalline silica that gets into the air.

Table 1: Specified Exposure Control Methods When Working with Materials Containing Crystalline Silica

Equipment/ Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 hrs/ shift	> 4 hrs/ shift
(ii) Handheld power saws (any blade diameter)	Use saw equipped with integrated water delivery system that continuously feeds water to the blade. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. • When used outdoors. • When used indoors or in an enclosed area.	None APF 10	APF 10 APF 10

Excerpt from Table 1.

*See regulatory text for construction standard, with complete Table 1 at www.osha.gov/silica/SilicaConstructionRegText.pdf.

In this example, if a worker uses the saw outdoors for four hours or less per day, no respirator would be needed. If a worker uses the saw for more than four hours per day or any time indoors, he or she would need to use a respirator with an assigned protection factor (APF) of at least 10. In this case, a NIOSH-certified filtering facepiece respirator that covers the nose and mouth (sometimes referred to as a dust mask) could be used. If a worker needs to use a respirator on 30 or more days a year, he or she would need to be offered a medical exam.

Alternative exposure control methods

Employers who do not use control methods in Table 1 must:

- Measure the amount of silica that workers are exposed to if it may be at or above an **action level of 25 µg/m³** (micrograms of silica per cubic meter of air), averaged over an eight-hour day.
- Protect workers from respirable crystalline silica exposures above the **permissible exposure limit of 50 µg/m³**, averaged over an eight-hour day.
- Use **dust controls** to protect workers from silica exposures above the PEL.
- Provide **respirators** to workers when dust controls cannot limit exposures to the PEL.

When are employers required to comply with the standard?

Construction employers must comply with all requirements of the standard by June 23, 2017, except requirements for laboratory evaluation of exposure samples, which begin on June 23, 2018.

Additional information

Additional information on OSHA's silica rule can be found at www.osha.gov/silica.

OSHA can provide extensive help through a variety of programs, including technical assistance about effective safety and health programs, workplace consultations, and training and education.

OSHA's On-site Consultation Program offers free and confidential occupational safety and health services to small and medium-sized businesses in all states and several territories across the country, with priority given to high-hazard worksites. On-site consultation services are separate from enforcement and do not result in penalties or citations. Consultants from state agencies or universities work with employers to identify

workplace hazards, provide advice on compliance with OSHA standards, and assist in establishing and improving safety and health management systems. To locate the OSHA On-site Consultation Program nearest you, call 1-800-321-OSHA (6742) or visit www.osha.gov/dcsp/smallbusiness.

For more information on this and other health-related issues impacting workers, to report an emergency, fatality, inpatient hospitalization, or to file a confidential complaint, contact your nearest OSHA office, visit www.osha.gov, or call OSHA at 1-800-321-OSHA (6742), TTY 1-877-889-5627.

This is one in a series of informational fact sheets highlighting OSHA programs, policies or standards. It does not impose any new compliance requirements. For a comprehensive list of compliance requirements of OSHA standards or regulations, refer to Title 29 of the Code of Federal Regulations. This information will be made available to sensory-impaired individuals upon request. The voice phone is (202) 693-1999; teletypewriter (TTY) number: (877) 889-5627.

For assistance, contact us. We can help. It's confidential.

OSHA® Occupational Safety and Health Administration

www.osha.gov (800) 321-OSHA (6742)

U.S. Department of Labor

DSG FS-3681 03/2016

STANDARD OPERATING PROCEDURE
HS-004 Driver Safety

1.1 Objective

GEI has implemented a Driver Safety Procedure to encourage safe driving habits and promote the ongoing safety of our staff and the communities where we work. For more information, refer to the Operation of Vehicles section of GEI's Employee Handbook.

This Standard Operating Procedure (SOP) provides requirements and recommendations to minimize the potential risks while operating or riding in a motor vehicle.

1.2 General

GEI employees will adhere to the following requirements when operating a vehicle while conducting business on behalf of GEI. These requirements apply to GEI fleet, rental, and personal vehicles used to conduct GEI business:

- Employees must maintain a valid driver's license.
- Employees using a personal vehicle for work-related travel must have proper insurance coverage that meets the requirements in the state/province in which they reside.
- Employees are expected to follow state, local, and federal laws including road signs, vehicle operating requirements, and other applicable regulations for the juristiction they are driving.
- Employees must wear their safety belt while in a moving vehicle.
- Vehicle incidents will be reported in accordance with GEI's Incident Reporting procedures (refer to GEI's Safety App or the Safety Resources page on GEI Connections).
- Vehicles will be properly maintained and safely operated (refer to Driving for Company Business in GEI's Handbook and the vehicle Owner's manual).
- Employees will follow safe driving behaviors, which include limiting distractions such as manipulating radios, use of cell phones (see Section 1.5) or other equipment/items that may cause a distraction.
- Smoking in GEI vehicles and rentals is not permitted. When driving a personal vehicle for business, avoid smoking while driving.

1.3 Mobilization and Demobilization of a Vehicle

GEI employees should follow the following guidelines to confirm their safety prior to and while operating a vehicle:

- Before entering the vehicle, complete a 360° inspection of the vehicle and surrounding area to identify vehicle safety issues and hazards that could be within the travel path. Do not drive a vehicle that has any safety issues.
- If driving an unfamiliar vehicle (rental or GEI fleet vehicle), it is the driver's responsibility to orient themselves to the vehicle by becoming familiar with the size, dashboard, center console, steering controls, locating the turn signals, windshield wipers, lights, emergency flashers, and the heating, air conditioning, and defrost controls, as well as noting if the vehicle has anti-lock braking system (ABS[1]).
- Adjust mirrors (rear and side).
- Adjust seats to be situated as far back as safely practical, away from the air bag, located in the steering wheel.
- Confirm that cell phones, tablets, or other potentially distracting items are safely secured and put away prior to operating the vehicle.
- At the end of the workday, complete a 360° inspection of the vehicle and report any vehicle safety issues.

1.3.1 Parking a Vehicle

- Park in designated areas or a safe area away from heavy equipment, hazardous features, or heavily trafficked areas.
- Avoid crowding neighboring vehicles (park in the middle of your spot)
- When parking a vehicle, the employee should position the vehicle in a manner which reduces or eliminates the need to operate the vehicle in reverse.
- When parking on the side of the road, the employee should minimize the encroachment of the vehicle onto the travelled lanes of the road and use pylons to mark a safe area around their vehicle.
- At night, park in a well-lit area and as close to your destination as possible.

[1] ABS is a mechanism that allows the wheels on a vehicle to maintain contact with the surface of the road, based on inputs from the driver (braking), to prevent the wheels from locking up (ceasing rotation) and to avoid an uncontrolled skid.

- When leaving the vehicle, confirm that any supplies or equipment that is meant to stay in the vehicle are secured and cannot be seen. If these items cannot be hidden, take them with you.

1.3.2 Backing Up a Vehicle

- If backing up a vehicle is necessary, complete a 360° inspection with emphasis on identifying nearby fences, poles, drop-offs, buildings, or other objects that may be in your path.
- Know your vehicles clearance and check for overhead obstructions such as tree limbs, wires, or other potential clearance-related obstacles.
- Use a spotter whenever possible. The spotter can be another GEI employee, or on-site personnel. Do not allow the spotter to be positioned directly behind the vehicle or walk backwards while giving you instructions. They should be off the driver's side where you can see them in your side mirror.
- Use available backup cameras as supplementary support while in reverse to assist with blind spots and identify if conditions have changed.
- When backing up at night, use additional lights to increase visibility.

1.4 Driving Defensively

Driving defensively means not only taking responsibility for oneself and actions but also keeping an eye on "the other guy." Good defensive drivers may be able to anticipate what the other driver will do next. GEI recommends the following guidelines to help reduce risks while driving:

- Do not start the vehicle until each passenger and any belongings are secured in the vehicle.
- Remember that driving above or below the speed limit can increase the likelihood of a collision.
- Be aware of impaired drivers; if a car is straddling the center line, weaving, making wide turns, stopping abruptly, or responding slowly to traffic signals, the driver may be impaired or using a cellular telephone. Avoid an impaired driver by turning right at the nearest corner or exiting at the nearest exit.
    - If it appears that an oncoming car is crossing into your lane, pull over to the roadside, sound the horn, and flash the headlights.
    - If an unsafe or suspicious driver is observed, notify the police.
- Follow the rules of the road. Do not contest the "right of way" or try to race another car during a merge. Be respectful of other motorists.
- Allow large vehicles, including tractor trailers, extra breaking distance, turning radius, and avoid traveling in the other driver's blind spots.

- Do not follow too closely. GEI employees should use a minimum of "3-second following distance." Or two vehicle lengths, whichever is greater.
- While driving, be cautious, aware, and responsible.
- Use extra caution, observe road signs, and reduce speed in construction areas and school zones.
- Maintain situational awareness by scanning your surroundings and regularly checking your blind spots. Look for and avoid pedestrians, bicyclists, and motorcyclists.

1.5 Cellular Phone Use and Other Distractions

Refer to the *Cell Phone Use/Texting While Driving* section of the GEI Employee Handbook for GEI's policy on the use of cellular telephones while operating a vehicle.

1.6 Drugs and Alcohol

The use of illegal drugs or alcohol is prohibited when driving a vehicle on GEI business. Be aware of the side effects of prescription and over-the-counter medications which can impair an employee's ability to drive.

1.7 Adverse Driving Conditions

When operating a vehicle, its possible adverse driving conditions may be encountered. Below is a list of possible conditions and how they can be mitigated.

1.7.1 Driving at Night

Vision maybe limited at night due to impairment of the driver's depth perception, color recognition, and peripheral vision. Another factor adding danger to night or early morning driving is fatigue. Drowsiness makes driving more difficult by dulling concentration and slowing reaction time. Effective measures to minimize these hazards by preparing the car and following guidelines:

- Check the headlights to confirm they are properly aimed. If you notice the headlights are not properly aimed, report it to the Branch Manager, or if applicable the rental car agent. Misaimed headlights blind other drivers and reduce the driver's ability to see the road.
- Smoking before driving and while driving is discouraged. Nicotine and carbon monoxide can hamper night vision.

- Increased vigilance 1 hour before sunset and 1 hour after sunset is encouraged. Twilight is one of the most difficult times to drive, because the eyes' pupils are constantly changing to adapt to the growing darkness:
    - Always use headlights at dusk and at dawn; lights will not help the driver see better in early twilight, but they will make it easier for other drivers to see your car.
    - Drive at a speed that allows you to see the road that is within the headlights span. Driving in a manner that prevents you from seeing hazards as they are illuminated is known as overdriving the headlights; it may be necessary for the driver to reduce speed to be prepared to brake within the illuminated area of the headlights.
    - If an oncoming vehicle does not lower beams from high to low, avoid glare by watching the right edge of the road and using it as a steering guide.
- The driver should make frequent stops for light snacks and exercise. If the driver is too tired to drive, stop in a safe area and get some rest.

1.7.2 Snow/Freezing Conditions

When snow and ice are present, be prepared by following these winter driving safety tips.

Prepare the Vehicle Before a Snowstorm

- Check under the hood and take a look at the vehicles cooling system. Make sure the vehicle contains adequate antifreeze and the hoses are in good condition.
- Test heaters and defrosters ahead of time to make sure they are in good working condition.
- Test the windshield wipers and check the condition of the wiper blades. If wipers leave streaks on the windshields, replace the blades at the next possible opportunity. Keep the receipt to expense the cost with GEI or with the car rental company.
- It is recommended that a windshield washer/antifreeze solution is used during winter conditions.
- Check the lights on the vehicle and periodically clear them of snow and dirt.
- Vehicle batteries need extra power in cold conditions. Make sure the battery's terminals are clean and cables are secure.
- Determine if the vehicle has an ABS system.
- Keep the gas tank at least half-full in the winter to help avoid gas line freeze up.

Driving During and After a Snowstorm

- Wear sunglasses to aid in limiting reflection from snow and eye fatigue, as needed.
- Be aware of blind spots created by snowbanks. Be extra cautious of pedestrians and other vehicles in intersections.
- Allow extra time for braking and increase the distance between your car and the car immediately in front of the car.
- Reduce speed and do not exceed the posted limit.
- If the tires starts to lose traction, remove the foot off the gas and gradually reduce speed. Accelerate slowly once traction is regained.
- Use appropriate braking technique:
    - No ABS: steer into the skid. This will bring the back end of the car in line with the front. Avoid using the brakes.
    - ABS: firmly brake as you steer into the skid.

1.7.3 Driving In the Rain

To prevent losing control of the car on wet pavement, take these preventive measures.

- Prevent skids by driving slowly and carefully, especially on curves.
- Steer and brake with a light touch.
- When necessary to stop or slow, do not brake hard or lock the wheels.
- Maintain foot on the brake pedal.

Skidding

If the car begins to skid, ease the foot off the gas, and carefully steer the car in the direction you want the front of the car to go. For cars without ABS, avoid using the brakes. This procedure, known as “steering into the skid,” will bring the back end of the car in line with the front. If the car has ABS, brake firmly as you steer into the skid.

Hydroplaning

Hydroplaning happens when the water in front of the tires builds up faster than the car’s weight can push it out of the way. The water pressure causes the car to lose contact with the road surface and slide on a thin layer of water between the tires and the road. At this point, the car can be completely out of contact with the road, making it possible for the driver to skid or drift out of the lane, or even off the road.

To avoid hydroplaning, keep the tires properly inflated and maintain good tread on the tires. If tires need to be replaced on a company vehicle, notify the branch manager or their designee. Slow down when roads are wet, and stay away from puddles. Try to drive in the tire tracks left by the cars in front of the vehicle. If the car begins to hydroplane, do not brake or turn suddenly. This could throw the car into a skid. Ease the foot off the gas until the car slows; accelerate slowly once traction is regained. If braking is needed, do so gently with light pumping actions. If the car has ABS, brake normally; the car's computer will mimic a pumping action, as necessary.

If weather conditions worsen to the point where the driver is not comfortable driving, pull the vehicle over to a safe location until conditions improve. Do not drive during severe weather conditions. Do not attempt to drive on roads with standing water or that have been flooded. Find an alternate route if these conditions exist.

1.7.4 Off Road

If operation of a vehicle is required off public or private roads or in situations where four-wheel-drive vehicles are required, the appropriate vehicle for the situation will be used.

Be sure any gear or equipment is secured inside the vehicle so it doesn't bounce around while the vehicle is off-road.

- Clearance: know the underside of the vehicle. Look under the vehicle and learn where the lowest-hanging parts are located so they are not damaged.
- Scout tricky terrain on foot. Don't hesitate to get out of the vehicle to examine, up close, the terrain and soil conditions. And be sure to scout out what's on the other side of a hill ahead of time so there are no surprises.
- Drive cautiously. Drive, "as slow as possible, as fast as necessary." Remember to use the gears to efficiently manage engine power, braking, and torque.
- Create a mental picture. Look ahead and visualize the paths to the vehicle will travel. Follow those paths.
- Drive straight up and down hills. Avoid diagonal lines that put the vehicle in a situation where it might roll.

1.8 Driver Training

GEI employees take driver safety training as part of their annual safety training. This training will be assigned through GEI's e-learning provider.

1.9 Injury Reporting

GEI employees will report incidents involving GEI personnel or subcontractor personnel, such as: lost time injuries, injuries requiring medical attention, near miss incidents, fires, fatalities, accidents involving the public, chemical spills, vehicle accidents, and property damage. The following steps must be followed when an incident occurs:

1. For incidents involving life-threatening situations or serious injury that require emergency response personnel (Police, Fire, EMS), call 9-1-1 from a safe area.
2. **Stop work** activity to address any injury, illness, property damage, spill, or other emergency.
3. Call Medcor Triage at 1-800-775-5866 to speak with a medical professional following any injury or illness.
4. Notify your Supervisor/Project Manager of the incident or injury.
5. Complete an incident report using the GEI Incident Report Form located on the GEI Safety Smartphone App, GEI Connections intranet page, or in the project HASP.
6. Resume work activity if all steps above have been completed and it is safe to do so.

For vehicle accidents involving another vehicle or damage to property, the employee will take pictures of each vehicle or property involved in the incident and obtain a police report. In some municipalities police will not be dispatched to a non-injury accident, but every effort needs to be made to try and obtain the report.

1.9.1 Injury Triage Service

If a GEI employee experiences a work-related injury that is not life-threatening, the employee will initiate a call to Medcor Triage at 1-800-775-5866. The injured employee will detail any medical symptoms or complaints which will be evaluated by a Registered Nurse (RN) specially trained to perform telephonic triage. The RN will recommend first aid self-treatment or refer the injured employee for an off-site medical evaluation by a health professional at a clinic within GEI's workers compensation provider network. GEI employees are still required to follow our Accident Reporting procedures as listed above.

1.10 Limitations

Follow safety procedures as defined in the site-specific HASP.

1.11 References and Resources

GEI Consultants, Inc. Employee Handbook
Ontario Occupational Health and Safety Act (OHSA)
US Occupational Health and Safety – Motor Vehicle Safety
National Safety Council

1.12 Attachments

None

1.13 Contact

Safety_Team@geiconsultants.com

1.14 Review History

- July 2023
- December 2017
- November 2016
- May 2014
- November 2013
- January 2011

STANDARD OPERATING PROCEDURES

SOP No. HS-008a Non-Powered Hand Tools

1.1 Objective

This Standard Operating Procedure (SOP) is intended for use by employees working with non-powered hand tools. The site-specific health and safety plan (HASP) should include a hazard assessment for the project that identifies the hazards associated with the non-powered hand tools that will be used. These hazards should be reviewed during the project safety briefing and documented on the Project Safety Briefing form, found on the Safety page of the GEI intranet.

1.2 General

Misuse of hand tools accounts for the majority of accidents and injuries involving hand tools. Only use a tool for the task which it was designed for. If the right tool isn't available contact the Project Manager and discuss what is needed. Improper maintenance is another leading cause of injuries. Employees using hand tools may be exposed to a number of other potentially serious hazards: falling objects (i.e., objects can fall as a result of contact with tools or objects which are abrasive or splash), harmful dust, fumes mists, vapors, and gases, as well as contact with electrical power sources.

1.2.1 Condition of Tools

All hand tools, whether furnished by GEI or the employee, will be maintained in safe working condition. All hand tools must be inspected before use. Never use a tool if its handle has splinters, burrs, cracks, splits or if the head of the tool is loose. Never use impact tools such as hammers, chisels, punches or steel stakes having mushroomed (flattened) heads. Tag worn, damaged or defective tools "Out of Service" and do not use them; notify your Branch Manager or Project Manager so that the tool can be replaced or repaired. If the tools cannot be repaired they will be disposed of properly. GEI does not issue or permit the use of unsafe hand tools.

1.2.2 Personal Protective Equipment

Employees using hand tools will be provided with the personal protective equipment (PPE) necessary to protect them from the hazard of the tool as well as the associated hazards with using the tool. (i.e., projectile debris, dust, etc.). All employees will wear work gloves, steel toe or composite toe boots, and safety glasses at a minimum. In addition, face shields and hearing protection may be required. Most hand injures can be avoided with the proper use of PPE. PPE must be maintained in good condition, kept clean and properly stored when not in use. More information regarding PPE is located in Section 6 of GEI's Corporate Health and Safety Program.

1.2.3 General Safe Practices

Never wear sandals, open-toed or canvas shoes when working with tools. Always tie back long hair. Avoid loose-fitting clothes which might become entangled in a tool. Always remove rings and other jewelry. Make sure your grip and footing are secure when using large tools. Never carry tools up ladders; use a tool belt, hoist, or a rope. Use extra caution when using tools at heights – a falling tool could kill a co-worker. Always pass a tool to another person by the handle – never toss it to them. Never use a tool with hands are wet, oily, or greasy. Select ergonomically-designed tools for work tasks when movements are repetitive and forceful. Always make sure observers are at a safe distance. Always secure work with a vice, clamp, or other support.

1.3 Non-Power Hand Tools

Non-powered hand tools include anything from axes to wrenches. Even though the tool is powered by human inertia, injuries from improper use of non-powered hand tools often involve severe disabilities.

1.3.1 Knives

Only use a knife with a sharpened blade. Pull the knife through the object and away from your body; pulling motions are easier to manage. Never use a knife if its handle has splinters, burrs, cracks, splits or if the blade is loose. Knives should never be used as screwdrivers, pry bars, or can openers. Never pick up knives by their blades. Always carry knives with their tips/points toward the floor. Never carry knives, scissors, or other sharp tools in pockets. Never attempt to catch a falling knife. When not in use, knives should be stored in sheaths. Box cutters will be self-retracting.

1.3.2 Wrenches

Never use wrenches that are bent, cracked, badly chipped, or having loose or broken handles. Discard any wrench with spread or battered jaws; if the handle is bent; or if a wrench has broken or battered points and notify your Branch Manager so that a replacement can be made. Never slip a pipe over a single head wrench handle to increase leverage. Never use a shim to make a wrench fit. Pull on a wrench using a slow, steady motion. Do not use push force on a wrench; you could lose your balance if the wrench slips.

1.3.3 Screwdrivers

Always match the size and type of screwdriver blade to fit the head of the screw. Do not hold the work piece against your body while using a screwdriver. Never put your fingers near the tip of a screwdriver when tightening a screw. Never use a screwdriver to make a starting hole for screws. Never use a screwdriver as a chisel, pry bar, or nail puller. When performing electrical work, always use an insulated screwdriver. Never use a screwdriver to test the charge of a battery.

1.3.4 Hammers

Never use a hammer if your hands are oily, greasy or wet. Always check behind you before swinging a hammer. Use a claw hammer for pulling nails. Never strike nails or other objects with the "cheek" of the hammer. Do not strike a hardened steel surface, such as a cold chisel, with a claw hammer. Never strike one hammer against another hammer. Never use a hammer as a wedge or a pry bar.

1.3.5 Pliers

Never use pliers which are cracked, broken, or sprung. Never use pliers as a wrench or a hammer. Do not attempt to force pliers by using a hammer on them. Never slip a pipe over the handles of pliers to increase leverage. When performing electrical work, always use insulated pliers. When using diagonal cutting pliers, shield loose pieces of cut material from flying into the air by using a cloth or your gloved hand.

1.3.6 Snips

Never use snips as a hammer, screwdriver, or pry bar. Always wear safety glasses or safety goggles when using snips to cut materials. Always wear work gloves when cutting materials with snips. Keep the blade aligned by tightening the nut and bolt of the snips. Never use straight cut snips to cut curves. Always use the locking clip on the snips when you have finished using them. Never leave or store snips in the open position.

1.3.7 Hand Saws

Always keep handsaws sharp and free of rust to prevent them from binding or jumping. Never carry a saw by the blade. Always hold the work piece firmly against a work table. Keep control of saws by releasing downward pressure at the end of the stroke. Never use an adjustable blade saw such as a hacksaw, coping saw, keyhole saw, or bow saw, if the blade is not taut. Oil saw blades after each use. Never force the saw through the cut as this may cause the saw to buckle or fly out of the groove and cause injury.

1.3.8 Chisels

Only use sharpened chisels. Never use chisels having mushroomed (flattened) striking heads. Whenever possible, hold a chisel by using a tool holder. Clamp small work pieces in a vise and chip towards the stationary jaw of the vise. Chip or cut away from yourself and keep both hands in back of the cutting edge. Always wear safety glasses or a face shield.

1.3.9 Vise and Clamps

Never use a vise having worn or broken jaw inserts, or having cracks or fractures in the body of the vise. Position the work piece in the vise so the entire face of the jaw supports the work piece. When clamping a long work piece in a vise, support the far end of the work piece by using an adjustable pipe stand or saw horse. Never slip a pipe over the handle of a vise to increase leverage. Never use a C-clamp for hoisting materials. Never use a C-clamp as a permanent fastening device.

1.3.10 Jacks

A manufacture's rated capacity must be clearly marked on all jacks and all jacks must have a stop indicator. When using a jack, never exceed the capacity of the stop indicator. Jacks should be lubricated and inspected regularly. When setting up a jack, ensure the base is centered on a firm, level surface. The jack head should also be placed against a level surface. Lift force should be applied evenly. Put a block under the base of the jack when the foundation is not firm. If it seems likely the cap could slip, place a block between the jack cap and load. Immediately block the load after it is lifted.

1.4 Injury Reporting

If a GEI employee suffers an injury on the job that is not life threating, call Medcor Triage at 1-800-775-5866 to speak with a medical professional. Then, immediately report the injury to the Supervisor/Project Manager and Regional Safety Officer.

After verbal notification has been made, an Incident Report Form is to be completed by the employee and/or supervisor/project manager and submitted to the People & Safety Team immediately following care of the incident. This form is available on the Safety App (smart phones) and on the Safety page on the GEI intranet.

Upon notification from a Branch or Office Manager, Human Resources, and/or the receipt of the Incident Report Form, the Regional Health & Safety Officer (RHSO) will conduct an investigation and evaluation on what happened and how and why it happened. The Corporate Health & Safety Officer (CHSO) will then recommend (as necessary) engineering controls, personal protection equipment, training or other appropriate measures to minimize the potential for future injuries. The CHSO/RHSO may develop educational information based on lessons learned for distribution to GEI employees.

1.5 Limitations

Follow safety procedures as defined in the site-specific HASP or in the manufacturer's specifications. Appropriate PPE must be worn correctly to provide the intended level of protection. If a hand tool is being used that is not identified in this SOP consult the manufacturer's literature and contact the Safety Team so we can include the information in a future version of this SOP.

1.6 References

OSHA Standards for the Construction Industry, Subpart I
Risk Analytics, LLC Hand Tools Training, 2006

1.7 Attachments

None

1.8 Contact

Health&SafetyTeam@geiconsultants.com

1.9 Review History

- July 2016
- May 2014
- August 2011
- October 2010
- One revision date unable to be found

STANDARD OPERATING PROCEDURES

SOP No. HS-008b Powered Hand Tools

1.1 Objective

This Standard Operating Procedure (SOP) is intended for use by employees working with powered hand tools. The site-specific health and safety plan (HASP) should include a hazard assessment for the project that identifies the hazards associated with the powered hand tools that will be used. These hazards should be reviewed during the project safety briefing and documented on the Project Safety Briefing form, found on the Safety page of the GEI intranet.

1.2 General

Misuse of hand tools accounts for the majority of accidents and injuries involving hand tools. Only operate power tools according the manufacturer's instructions. Employees using power tools may be exposed to a number of potentially serious hazards including being hit by flying material from the work piece; hit by a flying part of a broken tool; explosion or fire resulting from sparks from a tool igniting combustible materials; electric shock from a broken tool, frayed or defective power cord, or improper grounding; exposure to harmful dust, fumes mists, vapors, and gases. Hazards are usually caused by misuse, improper maintenance, improper or inefficient training, and complacency.

1.2.1 Condition of Tools

All hand tools, whether furnished by GEI or the employee, will be maintained in safe working condition with regular maintenance. Always inspect each tool, as well as power cords and attachments, for damage before use. Make sure the power is off and locked out before inspecting. Insure the tool guards are in place and functioning. Ensure that blades, bits, and other attachments are securely fastened. Tag worn, damaged, or defective tools "Out of Service" and do not use them; notify your Branch Manager or Project Manager so that the tool can be replaced or repaired. If the tools cannot be repaired they will be disposed of properly. GEI does not issue or permit the use of unsafe hand tools.

1.2.2 Personal Protective Equipment

Employees using hand tools will be provided with the personal protective equipment (PPE) necessary to help protect them from the hazards of the tool as well as the associated hazards with using the tool. (i.e., projectile debris, dust, etc.). All employees will wear work gloves, steel toe or composite toe boots, and safety glasses at a minimum. In addition, face shields and hearing protection may be required. Most hand injures can be avoided with the proper use of PPE. PPE must be maintained in good condition, kept clean and properly stored when not in use. More information regarding PPE is located in Section 6 of GEI's Corporate Health and Safety Program.

1.2.3 General Safe Practices

Never wear sandals, open-toed or canvas shoes when working with tools. Always tie back long hair. Avoid loose-fitting clothes which might become entangled in a tool. Always remove rings and other jewelry. Never use a tool without its guard in place. Make sure your grip and footing are secure when using large tools. Never carry tools up ladders; use a tool belt, hoist, or a rope. Use extra caution when using tools at heights – a falling tool could kill a co-worker. Always pass a tool to another person by the handle – never toss it to them. Select ergonomically-designed tools for work tasks when movements are repetitive and forceful. Always make sure observers are at a safe distance. Always secure work with a vice, clamp, or other support. Moving work surfaces can cause the tool to "kick back." Use extra caution when using power tools around flammable materials. Use fire curtains when appropriate and keep a properly charged fire extinguisher within a reasonable distance. Never surprise someone using a power tool. Check above, underneath, and behind solid surfaces if possible, to make sure it's safe to proceed and there isn't another person working on the other side.

1.2.4 Guarding

When power tools are designed to accommodate guards, they will be equipped with such guards prior to, and at all times during use. All guards will be in good condition and be adequate to provide protection to the employee. Regulations stipulate that the following parts of a power tool must be guarded: gears, sprockets, chain drives, belts, pulleys, drums, revolving or reciprocating parts, exposed shafts and projecting shaft ends, collars, clutches, and couplings.

1.2.5 Safety Switches

Safety switches allow the tool to be turned "off" quickly. Hand-held power tools must be equipped with a positive on-off, a momentary on-off, or a constant pressure switch. A positive on-off is a standard on-off switch. Platen sanders, disc sanders, scroll saws, and grinders with less than 2-inch-diameter discs may have a standard on-off switch. A momentary on-off can be turned "off" by a single motion of the same finger or fingers that turn it on. Drills, reciprocating and saber saws, grinders, and belt sanders may have a momentary on-off switch. A constant pressure switch shuts off power upon release. Circular saws and chain saws may have a constant pressure switch. Always test switch to insure it is functioning properly.

1.2.6 Blind Operations

A "blind" operation is any circumstance using any type of saw, drill, or other cutting or penetrating tool where you can't see behind what is being cut. When making a blind cut or drilling operation, be sure that hidden electrical wiring, water pipes, or any mechanical hazards are not in the blade path. If wires are present, they must be disconnected at the power source by a qualified person or avoided. Contact with live wires could cause lethal shock or fire. Water pipes should be drained and capped. Always hold the tool by the insulated grasping surfaces.

1.2.7 Kickback

Kickback is a sudden, uncontrolled reaction to a pinched blade, causing the tool to lift up and out of the work piece toward the operator. Misuse, buildup of sap or dirt on the blade, insufficient *set*, dullness, and unguided cuts, can all cause kickback. Avoid kickback by keeping saw blades sharp, having proper amount of *set* in the teeth, keeping saw blades clean, and support large panels so they will not pinch the blade. Set blade depth to no more than 1/4 inch greater than the thickness of the material being cut. Release the switch immediately if the blade binds or the saw stalls.

1.2.8 Power Tool Accessories

The choice of a wrong accessory or incorrect use can result in serious injury. Read and understand the recommendations in the owner/operators manual for the tool and the accessory literature. Don't use an accessory or attachment unless: the power tool manufacturer recommends its use on their product; the accessory's limitations and specifications match the limitations and specification of the power tool; the use of the accessory does not require the removal of any guards; and you understand the instructions that describe the safe use of the accessory or attachment. Always unplug tools before installing, adjusting, and changing any accessory or attachment of any kind.

1.3 Types of Power-Operated Hand Tools

Power tools include electric, battery-powered, liquid fuel, hydraulic, pneumatic (air), and powder-actuated. Power tools operate at high speeds; when things go wrong, it happens fast.

1.3.1 Electric Power-Operated – Corded

Electric power-operated tools that use a cord will either be double-insulated type or have a three-wire cord plugged into a grounded receptacle, grounded according to Occupational Safety and Health Administration (OSHA) regulations. A ground fault circuit interrupter (GFCI) will be used between the power operated tool and the power source. Test the GFCI before each use and use a portable GFCI if necessary. Power tools should always be stored in a dry place when not in use. Never use a tool in wet/damp conditions unless designed to be used in such an environment. Never carry power tools by the cord or yank the cord to disconnect it. Always keep tools and cords away from heat, oil, and sharp edges. Always disconnect power tools when not in use and when changing accessories such as blades and bits.

1.3.2 Electric Power-Operated – Battery (Cordless)

Electric power-operated tools that run on batteries should be charged in a dry location and away from all combustible materials. Do no operate cordless tools in or near flammable liquids or explosive atmospheres. Motors in these tools may spark and ignite fumes. Always recharge a cordless tool and its battery with its own specified charging unit. Never attempt to recharge a cordless tool in a recharging unit not specifically recommended for that tool. Remove batteries or lock the switch in its “OFF” position before changing accessories, adjusting or cleaning tools. This removes the power supply while hands are in vulnerable

locations such as near switches, bits, or blades. Do not store the battery pack in a container with metal objects such as wire, nails, or coins as it could short the battery. Do not expose the battery pack to moisture, frost, or temperature extremes of over 110 degrees Fahrenheit or under -20 degrees Fahrenheit.

1.3.3 Liquid Fuel Power Tools

Liquid fuel power tools will be stopped, turned "off," and cooled while being refueled, serviced, or maintained. Fuel will be transported, handled, and stored in accordance with federal regulations. Safety Data Sheets (SDS) for fuel or chemicals will be accessible during use of the tools. The tool must be used in a well-ventilated area as the carbon monoxide generated can displace or deplete oxygen. Before refilling a fueled powered tool fuel tank, shut down the engine and allow it to cool as fuel fumes, combined with the heat from the tool, can cause an explosion. Use only Type 1 or Type 2 approved flammable liquid containers. Properly clean any spills from the refueling process.

1.3.4 Hydraulic Power Tools

The fluid used in hydraulic power tools will be fire-resistant and approved for use with the hydraulic powered tool as specified by the manufacturer. The purpose of the specialized fluid is to allow the tool to be safely used in extreme temperatures."

1.3.5 Pneumatic Power Tools

Pneumatic (air) power tools will be properly maintained and operated according to the manufacturer's safe operating procedures. Make sure air hose connections are secure. Use a short wire or positive locking coupler to attach the air hose to the tool. Check hoses regularly for cuts, bulges, and abrasions (tag and replace if defective). Ensure the safety clip for attachments is installed and secure. Ensure the muzzle is in contact with the surface. Never point the tool at anyone. Avoid using on easily penetrated materials unless they are backed by material that will prevent fastener from passing through. Don't drive fasteners into very hard or brittle material that could chip, splatter, or make the fasteners ricochet. Avoid using compressed air for cleaning.

1.3.6 Powder-Actuated Tools

Only employees who have been trained in the operation of the particular tool in use will be allowed to operate a power-actuated tool. Never use in an explosive or flammable atmosphere. Never load the tool unless it will be used immediately. Never leave a loaded tool unattended. Never point the tool at anyone. Always keep hands and feet clear of the barrel end. Always select a powder level that will do the work without excessive force. Avoid using on easily penetrated materials unless they are backed by material that will prevent fastener from passing through. Don't drive fasteners into very hard or brittle material that could chip, splatter, or make the fasteners ricochet.

1.4 Powered Hand Tools

1.4.1 Drills

Be sure the trigger switch actuates properly. If equipped with a lock-on, be sure it releases freely. Be sure the chuck is tightly secured to the spindle. Tighten the drill bit securely as prescribed by the manual. Check auxiliary handles to be sure they are securely installed. Never force a drill; apply only enough pressure to keep the drill bit cutting smoothly. If the drill binds in the work, release the trigger immediately. Unplug the drill from the power source and then remove the bit from the work piece. Never attempt to free a jammed bit by starting and stopping the drill. Review the manufacture's manual for how to unjam the equipment. Unplug the tool before changing bits, accessories, or attachments.

1.4.2 Saws

Circular Saws

Always use sharp blades. Dull blades can cause binding, stalling, and possible kickback. Check blades carefully before each use for proper alignment and possible defects. Be sure all cords are out of the blade path and are sufficiently long to freely complete the cut. Clamp materials whenever possible. Never hold a work piece in your hand when sawing.

Set blade depth to no more than 1/4 inch greater than the thickness of the material being cut. Always allow the blade to reach full speed before the work piece is contacted. Never overreach and never reach under the saw or work piece. Never use a circular saw for cutting logs or roots, trimming trees, or shrubs.

Reciprocating Saws

Always use sharp blades. Dull blades cause binding, stalling, and possible kickback. Only use the blade specifically recommended for the job being done. Be sure all cords are out of the blade path and are sufficiently long to freely complete the cut. Position yourself to maintain full control of the tool and avoid cutting above shoulder height. The work piece must be clamped securely and the shoe of the saw held firmly against the work. When making anything other than a through cut, allow the tool to come to a complete stop before removing the blade from the work piece. Remember that the blade and blade clamp may be hot immediately after cutting. Avoid contact until they have cooled.

Jig/Saber Saws

Check that the blades are secured in position before plugging in. Make sure the cord is not in the line of cut. Firmly position the tool's base plate/shoe on the work piece before turning on the tool. Keep your hands and fingers well clear of moving parts. After making partial cuts, turn "off" and remove the blade from the work piece only after the blade has fully stopped. Maintain firm contact between the base and the material being cut, throughout cutting procedures. Remember that the blade and blade clamp may be hot immediately after cutting. Keep your hands away until cooled down and never overreach.

1.4.3 Abrasive Wheels and Tools

Sanders

Sanding dust can be highly explosive if the concentration becomes too great. Ensure the work area has adequate ventilation. Always use of exhaust type systems or bag collection. Check the power supply to be sure the switch and switch lock are in the "off" position. Always use the appropriate size disk or belt. Use jigs or fixtures to hold your work piece whenever possible. When sanding, always be aware of the cord location.

Never force a sander – the weight of the tool applies adequate pressure. Do not expose the tool to liquids, or to use in wet locations. When adjusting the tracking of the belt, be certain to avoid accidental contact with yourself or other objects.

Grinders

Test grinding wheels before mounting by tapping the wheel lightly with a nonmetallic implement. If it produces a ringing sound, it is in good condition. If it sounds dull, replace the wheel, Never use a cracked wheel. Use only those wheels and discs marked with a rated speed at or above the speed rating on the nameplate of the tool. Never operate a grinder without the proper guards in place. Always allow the wheel to come up to full speed before you contact the work piece. Do not apply excessive pressure to the wheel or disc. Use grinding wheels when working with hard materials, and use rotary files for soft materials such as aluminum, brass, copper, and wood. Using grinding wheels on soft materials will excessively load the wheel and could cause the wheel to shatter or disintegrate.

Power

Grinding machines will be supplied with sufficient power to maintain the spindle speed at safe levels under all conditions of normal operations. Follow manufacturer recommendations for sufficient power supply.

Guarding

Grinding machines will be equipped with safety guards in conformance with the requirements of the American National Standards Institute (ANSI) B7.1-1970.

Routers

Always disconnect the plug from the electrical outlet before changing bits or making any adjustments. Install router bits securely. Make certain that the cutter shaft is engaged in the collet at least ½-inch. Always face the cutter blade opening away from your body. The switch should be in the "off" position before plugging into the power outlet. Always allow the motor to reach full speed before feeding the router into the work. Never attempt to remove debris while the router is operating. Secure clamping devices on the work piece before operating router. When removing a router from your work piece, always be very careful not to turn the base and bit toward you.

1.4.4 Woodworking Tools

Disconnect Switches

Fixed power driven woodworking tools will be provided with a disconnect switch that can either be locked or tagged in the "off" position.

Speeds

The operating speed will be etched or otherwise permanently marked on all circular saws over 20 inches in diameter or operating at over 10,000 peripheral feet per minute. Blades used on these types of saws must be rated to operate at or below the operating speed of the saw.

Self-feed

Automatic feeding devices will be installed on machines whenever the nature of the work will permit. Feeder attachments will have the feed rolls or other moving parts covered or guarded so as to protect the operator from hazardous points.

Guarding

Portable, power-driven circular saws will be equipped with guards above and below the base plate or shoe.

Personal Protective Equipment

Project-specific PPE will be identified in the HASP based on the hazards present during work tasks. Required PPE must be worn when operating power tools. More information regarding PPE is located in Section 6 of GEI's Health and Safety Program.

Other Requirements

Woodworking tools and machinery will meet other applicable requirements of ANSI 01.1-1961, Safety Code for Woodworking Machinery.

1.4.5 Jacks – Lever and Ratchet, Screw, and Hydraulic

General Requirements

The manufacturer's rated capacity will be legibly marked on all jacks and will not be exceeded. All jacks will have a positive stop to prevent over-travel.

Blocking

When the working area does not have a solid working surface and it is necessary to provide a firm foundation, the base of the jack will be blocked or cribbed.

Operation and Maintenance

Hydraulic jacks exposed to freezing temperatures will be supplied with adequate antifreeze liquid. Jacks will be properly lubricated at regular intervals. Jacks will be thoroughly inspected, before each use. Repair or replacement parts will be examined for possible defects. Tag worn, damaged or defective jacks "Out of Service" and do not use them; notify your

Branch Manager so that the jack can be replaced or repaired. Parts subjected to wear will be inspected on a regular basis and repaired or replaced as needed.

1.5 Injury Reporting

If a GEI employee suffers an injury on the job that is not life threating, call Medcor Triage at 1-800-775-5866 to speak with a medical professional. Then, immediately report the injury to the Supervisor/Project Manager and Regional Safety Officer.

After verbal notification has been made, an Incident Report Form is to be completed by the employee and/or Supervisor/Project Manager and submitted to the People & Safety Team immediately following care of the incident. This form is available on the Safety App (smart phones) and on the Safety page on the GEI intranet.

Upon notification from a Branch or Office Manager, Human Resources, and/or the receipt of the Incident Report Form, the Regional Health & Safety Officer (RHSO) will conduct an investigation and evaluation on what happened and how and why it happened. The Corporate Health and Safety Officer (CHSO) will then recommend (as necessary) engineering controls, personal protection equipment, training or other appropriate measures to minimize the potential for future injuries. The CHSO/RHSO may develop educational information based on lessons learned for distribution to GEI employees.

1.6 Limitations

Follow safety procedures as defined in the site-specific HASP. Appropriate PPE must be worn correctly to provide the intended level of protection. Read and understand the recommendations in the owner/operators manual for the tool, and the accessory literature.

1.7 References

OSHA Standards for the Construction Industry, Subpart I

Risk Analytics Power Tool Safety Training, 2006

1.8 Attachments

None

1.9 Contact

Health&SafetyTeam@geiconsultants.com

1.10 Review History

- July 2016
- May 2015 – Separated from SOP HS-008

STANDARD OPERATING PROCEDURES

SOP No. HS-010 Inclement Weather

1.1 Objective

This Standard Operating Procedure (SOP) is intended for use by employees engaged in work with the potential to be affected by inclement weather. The site-specific health and safety plan (HASP) should include a hazard assessment for the project that identifies the potential for working in inclement weather and the control methods to be implemented by GEI employees. These hazards should be reviewed in the project safety briefing and documented on the Project Safety Briefing form, found on the Safety page of the GEI intranet.

1.2 General

Employees should be aware of local weather conditions and monitor advisories issued by the National Weather Service and other local reporting services. Depending on location and season, storms are capable of producing heavy rain, floods, extreme temperatures, high wind conditions, lighting, tornados, and/or snowfall.

1.2.1 Heavy Rain

If working or driving in a rain storm, use extreme caution. When driving, turn your low beam lights on when the rainfall becomes heavy. Employees should be aware of the following:

- Heavy rain decreases visibility, especially when driving.
- Surfaces and tools become slippery.
- If you are working in the rain and your clothes become wet there is a risk of hypothermia when exposed to winds, even in warm temperatures.
- If the storms are going to produce thunder and/or lightning, leave the work area immediately and move to a safe area.
- Use your best judgment to determine if the rainfall becomes too heavy to continue working safely.

1.2.2 Lightning

Lightning can strike as far as 10 miles from the area where it is raining. That's approximately the distance you can hear thunder. **If you can hear thunder, you are within striking distance. Seek safe shelter immediately.** This can be within a building or vehicle. Wait 30 minutes after the last clap of thunder or flash of lightning before going outside again.

1.2.3 Flooding

Flooding may occur as a result of heavy rain in a short period of time. Flooding can be particularly acute in canyon areas where dry creek beds can turn into raging rivers from rainfall in distant or higher elevation areas. Be aware of this and your surroundings and move to a safe place if you begin to see signs that flooding may occur. Signs of potential flooding include sudden appearance of water in dry creek beds, increased water flow in rivers or streams, or quick rise in water levels.

Do not attempt to drive through areas or streets that are flooded. Seek alternate routes. Be particularly cautious at night when flooded areas are difficult to see. Urban flooding can stop traffic; increase the potential for traffic accidents; and can trap people in vehicles.

1.2.4 Extreme Temperatures

Work activities may take place in extreme heat or cold. Be prepared if these conditions are anticipated. Have the appropriate personal protective equipment (PPE) available; exercise proper fluid intake; and take breaks to prevent heat and cold stress. For more information about these conditions see the heat stress and cold stress programs found in GEI's Health and Safety Program.

1.2.5 High Winds, Tropical Storms, and Tornados

High Winds can be extremely dangerous. Appropriate measures will be taken to secure equipment and loose items when working in windy conditions. The project manager should be contacted about the weather conditions and, if necessary, work should be postponed.

Tropical storms are described as storms with sustained winds ranging from 39 to 73 miles per hour (mph) and hurricanes produce sustained winds that exceed 74 mph. When winds approach 40 mph (gale force winds) twigs begin to break off of trees and vehicles will veer off of the road. When winds approach 40 mph or the GEI employee feels unsafe based on the activities being performed, stop work and seek shelter as soon as possible. Blowing or falling debris and overhanging limbs/signs can be a significant hazard. If possible, avoid driving in these conditions; 70 percent of injuries during hurricanes are a result of vehicle accidents. Note that tall or elevated equipment will have manufacturer's safe operating wind speeds defined that could be less than 40 mph. The operator's manual should be consulted prior to operation of the equipment.

A tornado is a violent, dangerous, rotating column of air that is in contact with both the surface of the earth and a cumulonimbus cloud or, in rare cases, the base of a cumulus cloud. The Fujita Scale is used to rate the intensity of a tornado by examining the damage caused by the tornado after it has passed over a man-made structure. Based on the Fujita Scale, or F-Scale, numbers begin at F0: 40-72 mph and go to F6: 319-379 mph (F6 is

generally theoretical). Nearly three-fourths of tornados are on the weak F0-F1 scale with just over two-thirds of deaths resulting from the violent F4-F5 tornados.

If a tornado is seen, stop work and seek shelter immediately. If a tornado siren is sounded move immediately to safety indoors and then move to a windowless interior space, basement, stairwell, or designated fall-out shelter. Windows should not be opened before an oncoming tornado. If there is no shelter available, seat belt yourself into your stationary vehicle or seek a depression or low spot on the land surface.

1.2.6 Snowfall and Ice Conditions

Working in the winter months may result in activities taking place during periods of snowfall or icy conditions. If you are working during or after snow has fallen, dress appropriately for the conditions. Snow and ice can cause working surfaces to become slippery. Clear snow and ice from work areas to prevent slip hazards. Use caution when performing snow or ice removal activities to prevent injuries. Driving in snowy and icy conditions is also hazardous. Reduce speed and use caution if you must drive in these conditions.

If the weather conditions deteriorate and you do not feel safe working in these conditions, stop work, move to a safe indoor location, and contact your project manager to let them know the weather, work conditions, and your location.

1.3 Injury Reporting

If a GEI employee suffers an injury on the job that is not life threating, call Medcor Triage at 1-800-775-5866 to speak with a medical professional. Then, immediately report the injury to the Supervisor/Project Manager and Regional Safety Officer.

After verbal notification has been made, an Incident Report Form is to be completed by the employee and/or Supervisor/Project Manager and submitted to the People & Safety Team immediately following care of the incident. This form is available on the Safety App (smart phones) and on the Safety page on the GEI intranet.

Upon notification from a Branch or Office Manager, Human Resources, and/or the receipt of the Incident Report Form, the Regional Health & Safety Officer (RHSO) will conduct an investigation and evaluation on what happened and how and why it happened. The Corporate Health and Safety Officer (CHSO) will then recommend (as necessary) engineering controls, personal protection equipment, training or other appropriate measures to minimize the potential for future injuries. The CHSO/RHSO may develop educational information based on lessons learned for distribution to GEI employees.

1.4 Limitations

Follow safety procedures as defined in the site-specific HASP. Appropriate PPE must be worn correctly to provide the intended level of protection. Protection in extreme weather conditions can best be accomplished if the conditions are anticipated and actions are taken. Monitor local weather conditions prior to starting work.

1.5 References

Center for Disease Control and Prevention – Natural Disasters and Severe Weather
http://www.bt.cdc.gov/disasters/

National Lightning Safety Institute

NOAA, National Weather Service

Office of Climate, Water, and Weather Services

1.6 Attachment

None

1.7 Contact

Safety Team
Health&SafetyTeam@geiconsultants.com

1.8 Review History

- Previous revision dates were not documented
- May 2014
- July 2016

STANDARD OPERATING PROCEDURES

SOP No. HS-012 Noise Exposures

1.1 Objective

This Standard Operating Procedure (SOP) is intended for use by employees engaged in work with elevation noise levels. The site-specific health and safety plan (HASP) should include a hazard assessment for the project that identifies the potential for work in loud environments and the control methods to be implemented by GEI employees. These hazards should be reviewed in the project safety briefing and documented on the Project Safety Briefing form, found on the Safety page of the GEI intranet.

1.2 General

Working in loud environments can cause hearing damage and loss if the proper protection is not in place. The following procedures describe methods to mitigate unhealthy noise levels and protect hearing.

1.3 Hazard Identification

If projects involve noise levels above OSHA regulations, employees should take steps to remove the noise exposure. Common sources of elevated noise levels are heavy equipment, power tools, pumps, and generators. GEI has an established Hearing Conservation Program located in the GEI Health and Safety Program.

1.4 Risk Identification

Hearing protection is required if noise levels in a work area are known to be above 85 decibels (dB), which can be measured with a noise meter. When decibel levels are not known, hearing protection is required if you need to raise your voice to talk to someone standing within a normal speaking distance from you.

1.5 Mitigation

There are three options that can be used to help mitigate a noise hazard:

1.) Remove the hazard by taking away the source of the noise.

2.) Remove the employee from the source of the noise.

3.) Provide the employee with appropriate personal protective equipment (PPE).

The first option for employee protection is to remove the hazard by taking away the source of the noise or using engineering controls to reduce the level.

If this cannot be accomplished, the next control measure is to remove the employee from the source. This can be done by moving the work area to a quieter location or distancing the employee from the noise source. For example, GEI employees do not need to be standing next to an operating drill rig or other heavy equipment. By distancing themselves from heavy equipment or other noise sources the need for hearing protection can be eliminated/reduced.

The final option, if the above two options aren't feasible, disposable ear plugs that are made available to GEI employees are to be used. Additional means of hearing protection will be provided, such as ear muffs, if the disposable ear plugs are not adequate.

When using hearing protection, employees will need to make a greater effort to be aware of the surroundings which may include moving equipment, traffic, and other site hazards.

1.6 Proper Use of Hearing Protection

DISPOSABLE EAR PLUG FITTING INSTRUCTIONS

Before fitting any ear plugs, make sure your hands are clean.
Foam ear plugs are disposable and not intended for reuse.

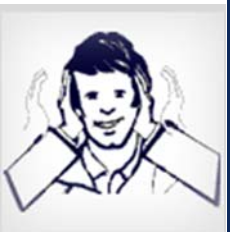
Hold the ear plug between your thumb and forefinger. Roll and compress the entire ear plug to a small, crease-free cylinder. While still rolling, use your other hand to reach over your head and pull up and back on your outer ear. This straightens the ear canal, making way for a snug fit.



Insert the ear plug and hold for 20 to 30 seconds. This allows the ear plug to expand and fill your ear canal.



Test the fit. In a noisy environment, and with earplugs inserted, cup both hands over your ears and release. You should not notice a significant difference in the noise level. If the noise seems to lessen when your hands are cupped over your ears, your ear plugs are not fitted properly. Carefully remove the earplugs (see instructions below) and refit following instructions, above.



Always remove ear plugs slowly, twisting them to break the seal. If you remove them too quickly, you could damage your ear drum.	

REUSABLE EAR PLUG FITTING INSTRUCTIONS

Before fitting any ear plugs, make sure your hands are clean.

Reusable ear plugs should be inspected and cleaned often in soapy water. If they become hard, torn, or deformed they should be discarded and replaced.

Reach around your head and pull up and back on your outer ear. This straightens out the ear canal, making way for a snug fit. Hold the stem end of the ear plug and insert it well inside your ear canal until you feel it sealing and the fit is comfortable.	
Test the fit. In a noisy environment, and with ear plugs inserted, cup both hands over your ears and release. You should not notice a significant difference in the noise level. If the noise seems to lessen when your hands are cupped over your ears, your ear plugs are not fitted properly. Carefully remove the ear plugs (see instructions below) and refit following instructions, above.	
Always remove ear plugs slowly, twisting them to break the seal. If you remove them too quickly, you could damage your ear drum.	

1.7 Injury Reporting

If a GEI employee suffers an injury on the job that is not life threating, call Medcor Triage at 1-800-775-5866 to speak with a medical professional. Then, immediately report the injury to the Supervisor/Project Manager and Regional Safety Officer.

After verbal notification has been made, an Incident Report Form is to be completed by the employee and/or Supervisor/Project Manager and submitted to the People & Safety

Team immediately following care of the incident. This form is available on the Safety App (smart phones) and on the Safety page on the GEI intranet.

Upon notification from a Branch or Office Manager, People Team, and/or the receipt of the Incident Report Form, the Regional Health & Safety Officer (RHSO) will conduct an investigation and evaluation on what happened and how and why it happened. The Corporate Health and Safety Officer (CHSO) will then recommend (as necessary) engineering controls, personal protection equipment, training or other appropriate measures to minimize the potential for future injuries. The CHSO/RHSO may develop educational information based on lessons learned for distribution to GEI employees.

1.8 Limitations

Follow safety procedures as defined in the site-specific HASP. Appropriate PPE must be worn correctly to provide the intended level of protection.

1.9 References

OHSA 29 CFR 1910.95 – Occupational Noise Exposure

OHSA 29 CFR 1926.101 – Hearing Protection

Texas American Safety Company (TASCO)

1.10 Attachments

None

1.11 Contact

Health&SafetyTeam@geiconsultants.com

1.12 Review History

- June 2016
- May 2014
- November 2013
- February 2011
- November 2010

STANDARD OPERATING PROCEDURE

SOP HS-014 Utility Mark-out

1.1 Objective

This Standard Operating Procedure (SOP) provides guidance for utility mark-out procedures related to drilling, excavation, or other sub-surface or intrusive activities to avoid injury to GEI employees or property damage. This SOP is applicable when GEI is responsible for its operation or our subcontractor's operation for utility mark-out. A utility mark out is when paint, flags or other markers are put in place to identify the location of an underground utility.

Clients or local agencies may have additional requirements or procedures to mark out of utilities. If local utility mark-out procedures differ from those described within this SOP, applicable state or municipal regulations should be followed.

1.2 General

This SOP is intended for use by employees engaged in work with sub-surface or intrusive activities. The site-specific health and safety plan (HASP) should include a hazard assessment for the project that identifies the potential for subsurface hazards and the control methods to be implemented by GEI employees. These hazards should be reviewed in the project safety briefing and documented on the Project Safety Briefing form, found on the Safety page of the GEI intranet.

1.2.1 Contractor/GEI Responsibilities

- The contractor or GEI employee will pinpoint each exploration area with white paint, flags, or stakes. personal protection equipment (PPE), including eye protection when using spray paint will be worn.
- Exploration locations should be marked-out with sample identification number(s) and type of sample (e.g., boring, test-pit, or monitoring well).
- The contractor compiles information about the work areas on a request form specified by the state utility mark-out program and submits it. Work area location maps can be sent to the utility mark-out program to clarify locations.
- The mark-out program customer service representative will provide a mark-out ticket number and a list of utilities notified upon receipt of the request information. This information will be recorded on the GEI documentation form in Appendix B and/or in other project documents.
- If known, the contractor or GEI employee will also notify non-member utility operators (e.g., apartment complexes, commercial complexes, railroads with communication cables, etc.).

1.2.2 Utility Mark Outs

- Utility companies or their sub-contractors will only mark-out, or clear, utilities under their responsibility. Generally, this means that they will only mark-out utilities within the public right-of-way up to private property boundaries. Information needed to determine the location of utilities on private properties will be requested from the property owner. This may include available property drawings or as-built figures. If this information is not available, additional non-intrusive surveys of the property may be required by a private utility locator to find underground utilities by using techniques such as ground penetrating radar (GPR).
- American Public Works Association (APWA) Uniform Color Code For Marking Underground Utility Lines are:
    1. **White** – Proposed Excavation
    2. **Pink** – Temporary Survey Markings
    3. **Red** – Electric Power Lines, Cables, Conduit and Lighting Cables
    4. **Yellow** – Gas, Oil, Steam, Petroleum, and Gaseous Material
    5. **Orange** – Communications, Alarm, Signal Lines, Cables or Conduit
    6. **Blue** – Water
    7. **Purple** – Radioactive Materials
    8. **Green** – Sanitary and Storm Sewers and Drain Lines

1.2.3 Utility Mark Out Review

- Before the intrusive work activities begin, the contractor or GEI employee will verify that each utility company has completed a utility location for the work area or the location has been cleared by a private locator and record this on the mark-out request information sheet.
- A visual survey of the project area will be done prior to the start of intrusive activities. This visual inspection will be done to identify signs, manholes, utility boxes, or other evidence of an underground utility is present and has been considered.
- The contractor or GEI employee can begin work on the scheduled work date and time if the utility operators have responded, taking care to find and preserve markings that have been made.
- Completed clearance documentation will be located on the excavation site during excavation activities and kept in project files.

1.2.4 Excavations

- When excavating near a buried utility, observe the approximate location around that utility.
- If exposing a utility, proper support and protection must be provided so that the utility will not be damaged.
- If the excavation work requires significant spans of the utility to be exposed, it is the contractor's responsibility to support the infrastructure (to prevent sagging or collapse) as needed. Contact the utility operator for support, guidance, or assistance.
- When the excavation is complete, provide proper backfill for utilities that have been exposed.
- Take care not to damage the conduit or protective coating of a utility. If the damage occurs, leave the damaged utility exposed and immediately call the utility owner.
- If a gas line is encountered, everyone will be evacuated according to the site evacuation procedures and the contractor must notify police, fire, and emergency personnel. No attempt should be made to tamper with or correct the damaged utility. All site personnel are to evacuate to the site's predetermined meeting point or a location a minimum of 300 feet away from the incident location.
- If the contractor needs to dig within the approximate location of a combustible, hazardous fluid, or gas line (natural gas, propane or gasoline), soft digging is required (hand digging, vacuum extraction) to a maximum depth of 5 feet. The approximate location is defined as 24 inches on either side of the designated center line of the utility if the diameter is not provided or 24 inches from each outside edge if the diameter is provided.

1.3 Injury Reporting

If a GEI employee suffers an injury on the job that is not life threating, call Medcor Triage at 1-800-775-5866 to speak with a medical professional. Then, immediately report the injury to the Supervisor/Project Manager and Regional Health & Safety Officer (RHSO).

After verbal notification has been made, an Incident Report Form is to be completed by the employee and/or Supervisor/Project Manager and submitted to the People & Safety Team immediately following care of the incident. This form is available on the Safety App (smart phones) and on the Safety page on the GEI intranet.

Upon notification and/or the receipt of the Incident Report Form, RHSO will conduct an investigation and evaluation on what happened and how and why it happened. The Corporate Health and Safety Officer (CHSO) will then recommend (as necessary) engineering controls, personal protection equipment, training or other appropriate measures to minimize the potential for future injuries. The CHSO/RHSO may develop educational information based on lessons learned for distribution to GEI employees.

1.4 Limitations

- Follow safety procedures as defined in the site-specific HASP. Appropriate PPE must be worn correctly to provide the intended level of protection.
- Mark-out notification time usually does not include holidays. Make sure holidays are considered and mark-out time is scheduled accordingly. Under no circumstances are intrusive activities allowed to be performed prior to the required mark-out.
- Do not use white paint if precipitation is eminent. Consider using stakes if snow is predicted.

1.5 References

Reference the website for the "Call Before You Dig – 811" for the utility mark-out agency for the state you working in prior to site work. If you have issues locating the appropriate agency, contact the Safety Team for assistance.

1.6 Attachments

Attachment A – Standard Utility Color Codes

Attachment B – GEI Utility Clearance Documentation Form

1.7 Contact

Health&SafetyTeam@geiconsultants.com

1.8 Review History

- June 2016
- May 2014
- November 2013
- February 2011
- November 2010

ATTACHMENT A

COLOR CODE FOR UTILITY MARKING

(BASED ON 'THE AMERICAN PUBLIC WORKS ASSOCIATION' RECOMMENDATIONS AND THE ANSI STANDARD Z-53.1 FOR SAFETY COLORS)

UTILITY	COLOR
PROPOSED EXCAVATION	WHITE
ELECTRIC POWER LINES, CABLES, CONDUIT AND LIGHTING CABLES	RED
POTABLE WATER	BLUE
STEAM, CONDENSATE, GAS OR OIL COMPRESSED AIR	YELLOW
TELECOMMUNICATIONS, ALARM OR SIGNAL LINES, CABLES OR CONDUIT	ORANGE
TEMPORARY SURVEY MARKINGS	PINK
SEWER AND STORM DRAINS	GREEN
CHILLED WATER, RECLAIMED WATER, IRRIGATION AND SLURRY LINES	PURPLE
OTHER	LIGHT BLUE

ATTACHMENT B

Utility Clearance Documentation

Please print clearly. *For more room, use back of page.*

Client: _____

GEI Project Name & Number: _____

Site: _____

Excavation/Drilling Location ID: _____

Excavator/Driller: _____

GEI PM: _____ GEI Field Team Leader: _____

Utility Drawings Reviewed: _____

Provided By: _____ Reviewed By: _____

Utility Clearance Call Date: _____ Name of Utility: _____

Utility Clearance Call Date: _____ Name of Utility: _____

Utility Clearance Received from (utility & rep name): _____ Date: _____

Utility Clearance Received from (utility & rep name): _____ Date: _____

Company that completed clearance: _____ Date: _____

GEI Staff Responsible for Oversight: _____

Metal Detector Survey (yes/no): _____ Drilling Location Cleared by: _____

Contractor Name: _____ Company Name: _____

Contractor Signature: _____ Date: _____

GEI Staff Responsible for Oversight: _____

Private Location Clearance Required (yes/no): _____ Date: _____

Contractor Name: _____ Company Name: _____

Contractor Signature: _____ Date: _____

Methods used for utility location (i.e. GPR, electronic pipe location) _____

GEI Staff Responsible for Oversight: _____

Hand clearing Performed (yes/no): _____ Methods: _____ Date: _____

Contractor Name: _____ Company Name: _____

Contractor Signature: _____ Date: _____

GEI Staff Responsible for Oversight: _____

GEI Consultants, Inc. Representative (name & title): _____

GEI Consultants, Inc. Representative Signature: _____ Date: _____

Based upon the best available information, appropriate utility clearance procedures were performed for the invasive work specified. If client ordered site specific deviations from existing GEI utility clearance procedures, they are approved by the client signature below:

Client Representative (name & title): _____

Client Representative Signature: _____ Date: _____

Notes:

STANDARD OPERATING PROCEDURES

SOP No. HS-018 Working Around Heavy Equipment

1.1 Objective

The objective of this Standard Operating Procedure (SOP) is to prevent or limit the physical hazards when working around heavy equipment.

1.2 General

This SOP is intended for use by employees engaged in work with the potential for working near heavy equipment. The project site-specific health and safety plan (HASP) should include a hazard assessment for working near heavy equipment to be implemented by GEI employees. These hazards should be reviewed in the project safety briefing and documented on the Project Safety Briefing form, found on the Safety page of the GEI intranet.

1.3 Heavy Equipment Precautions

Heavy equipment (e.g., excavators, backhoes, drill rigs, etc.), can present many physical hazards that can result in serious injury or death if the proper safety precautions are not followed. The following is a list of precautions to be aware of when working around heavy equipment:

- Wear appropriate personal protective equipment (PPE), including at a minimum reflective, high-visibility safety vest, hard hat, safety glasses, and steel/composite toe boots.
- Always keep your distance from moving equipment.
- Do not assume the operator knows where you are or where you are going.
- Make sure to make eye contact and receive acknowledgement of your presence with the operator.
- Avoid working near heavy equipment, but if unavoidable, communicate your location with the operators. If using hand signals, discuss the signals with the equipment operator prior to starting work.
- Watch for moving equipment. Construction sites can have a lot of activity and equipment may be moving in an unpredictable manner.
- Do not rely on back-up or other alarms. They may not be working or you may not hear them with the noise of other activities taking place in the area.
- Stay out of the swing radius of cranes, excavators, or other equipment that swings or rotates.
- Do not walk beside a moving vehicle, the vehicle may turn, slip, or the load may shift causing the vehicle to go off course.
- Do not ride on the outside of a moving equipment.

- Never walk under or stand too close to a load suspended by cranes or hoists.
- Do not walk behind a piece of equipment that is backing up without acknowledgment from the operator it is safe to proceed. If working next to heavy equipment is unavoidable, be aware of the hazards including pinch points and moving parts. Use a spotter to watch the work area for moving equipment.
- If necessary, ask the operator to stop equipment operation to perform your work tasks.
- Verify the location and operation of emergency shut-off devices on the equipment.
- Be aware of the fuels and chemicals associated with the equipment. Have a spill prevention and response plan in place that includes the appropriate containment materials (i.e., spill kit).
- Do not wear loose fitting clothing when working around moving equipment (i.e., drill rig augers).
- Do not operate heavy equipment.
- Do not use cellular telephones near operating equipment.

1.4 Injury Reporting

If a GEI employee suffers an injury on the job that is not life threating, call Medcor Triage at 1-800-775-5866 to speak with a medical professional. Then, immediately report the injury to the Supervisor/Project Manager and Regional Safety Officer.

After verbal notification has been made, an Incident Report Form is to be completed by the employee and/or Supervisor/Project Manager and submitted to the People & Safety Team immediately following care of the incident. This form is available on the Safety App (smart phones) and on the Safety page on the GEI intranet.

Upon notification from a Branch or Office Manager, Human Resources, and/or the receipt of the Incident Report Form, the Regional Health & Safety Officer (RHSO) will conduct an investigation and evaluation on what happened and how and why it happened. The Corporate Health and Safety Officer (CHSO) will then recommend (as necessary) engineering controls, personal protection equipment, training or other appropriate measures to minimize the potential for future injuries. The CHSO/RHSO may develop educational information based on lessons learned for distribution to GEI employees.

1.5 Limitations

Follow safety procedures as defined in the site-specific HASP. Appropriate PPE must be worn correctly to provide the intended level of protection.

1.6 References

OSHA 29 CFR 1926.600 – Subpart O; Motor Vehicles, Mechanized Equipment, and Marine Operations.

www.toolboxtopics.com/Construction/ (Viewed 10/16)

Caterpillar Safety – http://safety.cat.com/ (Viewed 10/16)

1.7 Attachments

None

1.8 Contact

Health&SafetyTeam@geiconsultants.com

1.9 Review History

- October 2016
- May 2014
- November 2013
- August 2011
- October 2010

Appendix D Community Air Monitoring Program

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Appendix E GEI Field Standard Operating Procedures

Table of Contents

Section 1 – Introduction

Section 2 – Project Planning Activities (PP)
- PP-001 General Guidance on Project Planning Activities
- PP-002 General Guidance on Private Utility Markout
- PP-003 General Guidance on Maintaining Markouts

Section 3 – Field Documentation (FD)
- FD-001 Field Notebook
- FD-002 Field Observation Report
- FD-003 Sample Handling and Chain of Custody
- FD-004 Photo Documentation
- FD-005 Surveying and Mapping Specifications

Section 4 – Drilling Methods (DM)
- DM-001 General Guidance on Determination of Appropriate Drilling Methods
- DM-002 Hollow-Stem Auger
- DM-003 Sonic Drilling
- DM-004 Drive and Wash
- DM-005 GeoProbe ® Direct Push Boring
- DM-006 Monitoring Well Construction and Installation
- DM-007 Monitoring Well Telescoping
- DM-008 Monitoring Well Development
- DM-009 General Guidance on Monitoring Well Abandonment

Section 5 – Sample Collection and Field Screening (SC)
- SC-001 General Guidance on Sample Collection
- SC-002 Sample Handling
- SC-003 Investigation Derived Waste
- SC-004 Head Space VOC Screening
- SC-005 SiteLAB ™ UVF-3100 Ultraviolet Fluorescence (UVF) Detection Method

Section 6 – Solid Matrix Sampling (SM)
- SM-001 Soil Sampling Techniques Including Split-Spoon
- SM-002 VOC Soil Collection and Preservation Method
- SM-003 Soil Classification

Section 7 – Groundwater (GW)
- GW-001 Water Level Measurement
- GW-002 Non-Aqueous Phase Liquid (NAPL) Measurement

GW-003 Low Flow (Low Stress) Groundwater Sampling
GW-004 pH and Temperature Measurement
GW-005 Turbidity Measurement
GW-006 Specific Conductance Measurement
GW-007 Dissolved Oxygen Measurement
GW-008 Temporary Groundwater Sampling Points

Acronyms and Abbreviations

AOC	Area of Concern
ASTM	American Society for Testing and Materials
BOD	Biological Oxygen Demand
BTEX	Benzene, Toluene, Ethyl Benzene, Xylenes
CAMP	Community Air Monitoring Plan
CD	Corrected Depth
COC	Chain of Custody
DNAPL	Dense Non-Aqueous Phase Liquid
DO	Dissolved Oxygen
DOT	Department of Transpsortation
EM	Electro-Magnetic
EPA	Environmental Protection Agency
FID	Flame Ionization Detector
FSP	Field Sampling Plan
GC/MS	Gas Chromatograph/Mass Spectrometer
GIS	Geographic Information Systems
GPR	Ground Penetrating Radar
GPS	Global Positioning System
HASP	Health and Safety Plan
HSAs	Hollow-Stem Augers
ID	Inner Diameter
IDW	Investigation Derived Waste

IHC	In-House Consultants
JHS	Jar Head Space
LNAPL	Light Non-Aqueous Phase Liquid
MC	Macrocore®
MTBE	Methyl Tert-Butyl Ether
NAPL	Non-aqueous Phase Liquids
NAVD	North American Vertical Datum
NYSDEC	New York State Department of Environmental Conservation
OD	Outer Diameter
ORP	Oxidation-Reduction Potential
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
PM	Project Manager
PPE	Personal Protective Equipment
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation Recovery Act
SC	Specific Conductance
SMP	Site Management Plan
SOP	Standard Operating Procedure

SPLP	Synthetic Precipitate Leaching Procedure
SPT	Standard Penetration Test
SVOC	Semi-Volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
USEPA	United States Environmental Protection Agency
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compounds

Measurements

bgs	Below Ground Surface
ft	Feet or Foot
g	Grams
lpm	Liters per minute
mg/L	Milligram per liter
ml	Milliliter
mL/min	Milliliters per minute
MSL	Mean Sea Level
mV	Millivolt
ng	Nanogram
NTUs	Nephelometric Turbity Units
ppm	Parts per million
µg/Kg	Microgram per kilogram

Section 1

INTRODUCTION

1. Introduction

This document serves as a Field Sampling Plan (FSP) for various types of environmental sampling activities that may be utilized during implementation of Site Characterizations, Remedial Investigations, Interim Remedial Measures, Feasibility Studies, Remedial Designs, and/or Remedial Actions. The primary intent of this document is to promote accuracy and consistency for field and office support operations.

This FSP encompasses a broad range of activities to improve the planning, implementation, and documentation of field and pertinent office operations. All methodologies presented in this document may not be applicable to site-specific situations. In the event of differences between the FSP and any site-specific work plan, including a work plan or a quality assurance project plan, the provisions of the site-specific plan will prevail.

This document is organized according to the chronological sequence of typical work flow proceeding from project setup to field activities and then to data collection.

The document contains two types of guidance:

General Guidance Procedures – Documents intended to be informative and not prescriptive. The documents are designed to provide necessary background information to adequately understand associated field processes.

Standard Operating Procedures (SOPs) – Documents intended to provide the necessary procedures and notes to successfully implement the operation.

This FSP incorporates requirements including but not limited to New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-10, Technical Guidance for Site Investigation and Remediation dated May 3, 2010, any applicable local, state, or federal requirements, and client requirements. Each SOP is current as of the effective date indicated in the header and will be updated as necessary.

This document has been provided to all staff performing field tasks for the client.

2. FSP Layout Design

2.1 Header Information

i. Each SOP contains, within its designation, a two letter abbreviation of the general category in which it belongs (i.e. PP-001 means it is in Project Planning). The table of contents provides the definition for each abbreviation. The SOP name and number is provided in the header and footer of the document. As discussed in the previous section, GEI guidance documents are not given an SOP reference number.
ii. The revision number is provided in the header of each SOP.
iii. The effective date is provided in the header of each SOP. The effective date provides the date when the revisions to the SOP are in effect and provides information as to the last time the SOP was updated. Each SOP should contain the most up-to-date version and effective date.

2.2 Footer Information

i. Each footer contains the page number and total page numbers as well as a second reference to the SOP name.

2.3 Body of Text

i. Details of the SOP are provided sequentially.
ii. Notes are provided to understand precautions or common issues associated with the performance of the procedure.
iii. References provide sources for the creation of the SOP.
iv. Attachments provide reference to external documentation that could be reviewed in conjunction with the document.
v. Reference and inclusion of complete SOPs are included within this document. Each SOP should contain the most up-to-date version and revision date.

Section 2

PROJECT PLANNING ACTIVITIES (PP)

SUMMARY GUIDANCE

PP-001 General Guidance on Project Planning Activities

1. Objective

The purpose of this summary guidance section is to present a summary of the project planning activities that must be completed prior to the start of field activities. The following text outlines the steps which should be followed.

To begin, the task-specific work plan should be reviewed to identify the specifics of the task to be completed. This includes the type of work, sampling requirements, and schedule, among others. A site visit (if possible) should be made to verify that sample locations are accessible. Once the review of the work plan is completed, it can then be determined which steps need to be taken to start the project. A project planning checklist (see attached) should be completed and includes the items detailed below

2. Execution

- **Subcontractor Selection** – If the subcontractor is to be contracted through GEI, the subcontractor should be selected based on a combination of their qualifications and their proposed costs, if not identified in the Master Services Agreement. A minimum of two subcontractor cost proposals should be obtained for each task.
- **Subcontractor Agreement** – Once a subcontractor is selected, a subcontractor agreement between GEI and the subcontractor must be established. This agreement is task specific and should reference an approved proposal from the subcontractor.
- **Markouts** – If the project includes intrusive work, a utility markout request must be called in to Dig Net (811). Markouts must be called in at least 72 hours prior to the start of intrusive activities; however, five business days is recommended. If the work conducted is on private property, markouts by a private markout company should be obtained as public utility locating services will generally only identify line point-of-entry to a private property from a right-of-way. Markout verifications from Dig Net must be received at least one day prior to the start of field activities. Following the receipt of the markout verifications, a GEI utility clearance form must be completed, and the markouts must be visually verified. The markout verifications, verification spreadsheet and the GEI utility clearance forms must be compiled and remain onsite during the duration of intrusive activity. In addition, markouts must be checked every 10 days throughout the duration of intrusive work. For more information on markouts, please see SOPs PP-002 and PP-003.

- **Health and Safety** – A site-specific Health and Safety Plan (HASP) must be developed prior to any field work. The site-specific HASP must be reviewed by the staff involved in the project and signed prior to the start of work (by field staff). Subcontractors are required to provide their own HASPs (which are at a minimum, as strict as the GEI HASP), or must sign and comply with the GEI site-specific HASP. The subcontractor must also provide the proper certifications for the field crew, which should include, but is not limited to, OSHA certifications (8-hour and 40-hour HAZWOPER) and medical clearance documentation. In addition, tailgate safety meetings must be held daily, which discuss hazards related to the task being performed. For more information, please refer to the site-specific HASP. For the SOPs presented in this FSP, health and safety items must be adhered to during the conduct of all field activities.
- **Notifications** – prior to the scheduling of field activities, all team members should be identified. The appropriate project manager should be notified as soon as possible of the upcoming work and the proposed schedule. As a general rule, at least one week notice should be provided. The client will coordinate access to any private property where sampling is planned to be conducted.
- **Data Group Notification** – GEI's Data Group should be notified if laboratory analysis is to be performed. The Data Group should be made aware of the types of analysis being performed, the approximate number of samples to be collected, the validation requirements and turnaround times.
- **Lab Notification** – If laboratory analysis is needed, the selected laboratory should be notified as soon as possible to order the necessary sample bottles and supplies. They also should be informed of the anticipated amount of samples, type of analysis and required turnaround times.
- **Equipment** – Any specialized equipment or supplies, including Community Air Monitoring Program (CAMP) equipment, needed for the job should be ordered, to allow for sufficient lead time. CAMP equipment is required for any intrusive work. For more information on CAMP requirements, please see the site-specific HASP or Work Plan and SOPs AR-001 through AR-005.
- **Investigation Derived Waste (IDW) Management** – Consideration should be given to the management of IDW. Based on the work to be performed at the specific site, a determination needs to be made on how the IDW is to be handled. Possibilities include drums for soil and groundwater, frac tanks for groundwater or roll-offs for soil. Reducing the amount of IDW generated through selection of the appropriate sampling and investigation methods, as well as cost and efficiency of disposal, should always be considered.

- **Background Information** – Prior to field activities, pertinent background information should be discussed with the field staff and GEI task and project managers. Such information may include: historical perspective, property owner/community member interests, potential litigation matters, access and logistical issues, safety concerns, requirements and concerns, among others.
- **Kick-off Meeting** – A kick-off meeting should be conducted prior to the start of field activities. At a minimum, the meeting should be attended by the project manager and field staff. This meeting should review the tasks to be completed, equipment needed, laboratory analysis, and a review of any necessary background information (including potential sensitivities associated with the site or work area of the site). Other items that should be discussed include the process of and the need to keep the client informed of the work progress (including any relevant observations) and the steps to be taken if a member of the field crew is approached/questioned by a regulator or a member of the public or media.

SUMMARY GUIDANCE

PP-002 General Guidance on Private Utility Markout

1. Overview

Prior to installing any wells, performing excavations or penetrating the subsurface for any investigation; all service lines, including water, electrical power, natural gas, sewers, cable and product distribution piping, and others, must be mapped out on the ground surface. This requirement is independent of the need for borehole clearing to 5 feet. Both exercises together minimize the safety risk as well as the time and cost penalty associated with severing an underground line.

This guidance describes and recommends technologies that should be (and normally are) employed from the companies performing the mapping, which are private utility locators. Public utility locating services will identify line point-of-entry from a right-of-way, but in many cases are unwilling to mark locations within the footprint of a site. Even if the public companies provide onsite service, it is good insurance to have a private company verify buried utility locations because of the potential consequences of hitting an unknown buried utility.

Because subsurface lines may be metal, plastic, clay, or concrete, multiple technologies are generally needed for their identification. For most applications the following technologies are fit-for-purpose.

Electro-Magnetic (EM) Device: This technology uses an electro-magnetic field in the subsurface to accurately locate metallic lines or non-metallic lines incorporating a metallic trace wire along their surface. The field is created either by direct contact to the pipe or trace wire, or by an induced current via radio waves.

Sewer Sonde: For non-metallic lines where internal access is possible (such as cleanout ports in a sewer), a beacon or 'sonde' that emits a signal to a surface receiver as it is snaked through the pipe provides the same accuracy as the EM detector. If the internal condition of the pipe is desired, a camera can be deployed instead of only a sonde.

Ground Penetrating Radar (GPR): This technology involves radar waves reflecting to a surface receiver which provides a visual real-time map of the subsurface by which anomalies (such as pipes or tanks) may be detected. It has limitations in clay or wet soils and requires a skilled operator for interpretation. For high risk utilities (e.g. PVC natural gas lines without trace

wire) where line-of-sight projection from site entry point to a kiosk or other building is uncertain, GPR should be considered.

For most sites, utility markouts using the above technologies can be conducted in about two hours, assuming work covers a limited area where subsurface activities will be conducted. Consideration should be given to mapping an entire site if as-built drawings are suspect and work is planned over an extended period of time.

SUMMARY GUIDANCE

PP-003 General Guidance on Maintaining Markouts

1. Overview

Maintain the marks set down by utility operators/ locators at your site. Several steps should be taken to ensure site markouts are maintained/refreshed throughout the project.

Walk-through the site to become familiar with the markings and the locations of buried utilities. Pay special attention to any changes in direction that the underground facilities take. Consider photographing the markouts.

If the excavation will cause the removal or disturbance of markings, establish offset marks in order to maintain a reference point for those underground facilities.

Make sure that everyone involved in your excavation is aware of any offsets that have been established, any marks that have been compromised, or any other information regarding facility locations.

Don't put spoil piles over markings.

If the markouts are located over grassy areas or if snow is expected, flags or stakes should be employed to avoid having the markouts washed away by rain or covered by snow.

Avoid driving machinery over stakes and flags. Paved areas should be swept periodically so that painted marks remain visible.

If marks have faded or have been compromised to the point where proper and safe excavation is no longer possible, call the public or private utility markout service and make a request for a new markout ticket. If the markings at your site are refreshed, make sure that you use the uniform color code.

Attachment A

Project Planning Checklist

SITE: _____

PROJECT MANAGER: _____

Activity	Completed (Yes, No or NA)	Date Completed	Comments
Subcontractor Identified (if needed)			
Subcontractor agreement			
Markouts			
HASP			
Subcontractor certs obtained			
National Grid Notifications			
Data Group Notified			
Laboratory notified			
Equipment Ordered			
IDW Management			
Background info reviewed			
Kick-off meeting or call			

Section 3

FIELD DOCUMENTATION (FD)

STANDARD OPERATING PROCEDURE

FD-001 Field Notebook

1. Objective

Proper documentation of all site activities is a crucial part of the field investigation process. Documentation, relative to sampling procedures, includes sample labels, sample seals, field logbooks, chain of custody (COC) records, sample analysis request forms, and laboratory sample logs. The field notebook serves as a record of significant field activities performed or observed during the project. The field notebook provides a factual basis for preparing field observation reports, if required, and reports to clients and regulatory agencies. Example field notes are provided in Appendix A.

2. Execution

- Use a separate all-weather bound notebook for each site/location/ project number, as appropriate.
- Write neatly using black or blue waterproof indelible pen (or note if field conditions [i.e., cold or wet weather] require use of pencil).
- Write the project name, project number, book number (i.e., 1 of 3), and date on the front cover. On the inside cover, identify the project name, project number, and "Return Book To:" the office address of the project manager.
- Number all of the pages of the field book starting with the first entry if notebook is not numbered already.
- Record activities as they occur.
- Neatly cross out mistakes using a single line and initial them. Erasures are not permitted. If an error is made on an accountable document assigned to one individual, that individual will make all corrections. The person who made the entry will correct any subsequent error discovered on an accountable document. All subsequent corrections will be initialed and dated.
- Sign or initial and date the bottom of the last daily page of an entry. Place a diagonal line through unused portions of a page.
- Record the following information upon each arrival at the site:
    1. Date/time/weather/project number.
    2. GEI personnel.
    3. Purpose of visit/daily objectives.
    4. Record conversations with:
        a. Contractors.
        b. Client.
        c. Visitors (include complete names, titles, and affiliations whenever possible).
        d. GEI office staff.

e. Landowners (site or abutters).

5. If possible, record telephone numbers of individual contacts for the site in the field notebook.
6. Note time of arrival and departure of individuals visiting the site.

- Potential additional observations to record (as needed):
    1. Type and quantity of monitoring well construction materials used.
    2. Use of field data sheets or electronic logging equipment (e.g. boring logs, monitoring well sampling logs, etc.).
    3. Ambient air monitoring data.
    4. Locations and descriptions of sampling points.
    5. Sample media (soil, sediment, groundwater, etc.).
    6. Sample collection method.
    7. Sample identification number(s) and date and time of sample collection.
    8. Approximate volume of groundwater removed before sampling.
    9. Field observations.
    10. Any field observations made such as pH, temperature, turbidity, conductivity, water level, etc.
    11. References for all maps and photographs of the sampling site(s).
    12. Information pertaining to sample documentation: bottle lot numbers/dates, method of sample shipments, COC record numbers, and overnight shipping numbers.
    13. Surveying data (including sketches with north arrows).
    14. Changes in weather.
    15. Rationale for critical field decisions.
    16. Recommendations made to the client representative and GEI Project Manager.
    17. Include a site sketch or representative site photograph of conditions at the end of the day, if required.
    18. Time.
    19. Summarize work completed/work remaining.

3. Notes

- Only record facts.
- Record all observations regardless of relevancy.
- Identify conditions or events that could affect/impede your ability to observe conditions.
- Do not use spiral notebooks because pages can be easily removed.

4. References

New Jersey DEP Field Sampling Procedures Manual, August 2005.

Yerington Mine Site SOP-03 Standard Operating Procedure Field Notes and Documentation, Revision 0 Revision Date: June 6, 2006.

ASFE Model Daily Field Report (1991), ASFE, Inc.

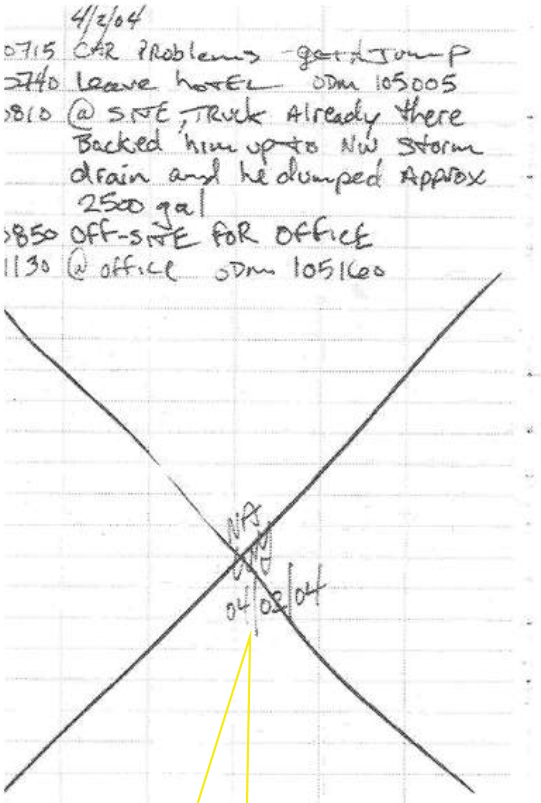
5. Attachments

Attachment A – Example Field Notes

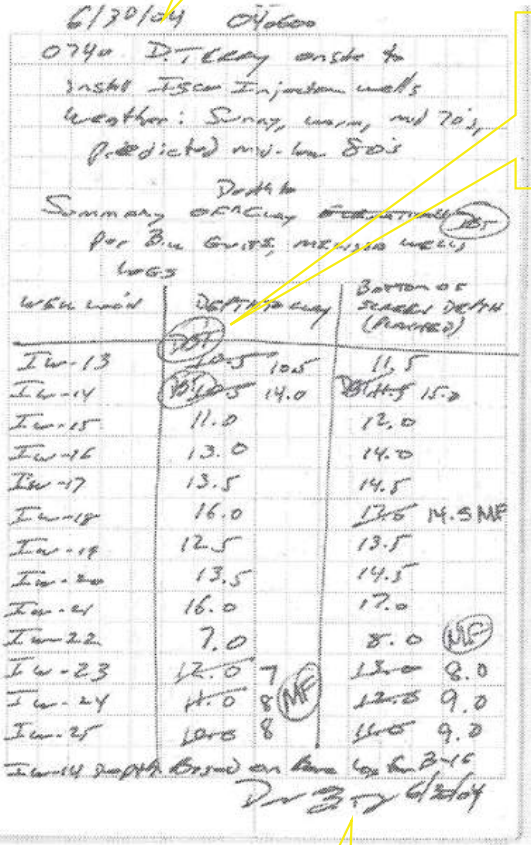
Attachment A

SOP FD-001

Attachment A – Example Field Notes



4/2/04
0715 CAR Problems - get a jump
0740 leave hotel ODM 105005
0810 @ SITE, Truck Already there
Backed him up to NW Storm
drain and he dumped Approx
2500 gal
0850 Off-SITE FOR Office
1130 @ office ODM 105160



6/30/04 0740
0740 DT Crew onsite to
Install 15cm Injection wells
Weather: Sunny, warm, mid 70's,
predicted max. low 80's
Summary of Clay
for Bio Cells, Nitrate wells
Wells
Well no. | Depth to clay | Bottom of Seabee Depth (Planned)
IW-13 | 10.5 | 11.5
IW-14 | 14.0 | 15.0
IW-15 | 11.0 | 12.0
IW-16 | 13.0 | 14.0
IW-17 | 13.5 | 14.5
IW-18 | 16.0 | 14.5 MF
IW-19 | 12.5 | 13.5
IW-20 | 13.5 | 14.5
IW-21 | 16.0 | 17.0
IW-22 | 7.0 | 8.0
IW-23 | 12.0 | 8.0
IW-24 | 11.0 | 9.0
IW-25 | 10.5 | 9.0
IW-14 depth based on
Dr 6/30/04

Start of each day includes:
- **Date**
- **Project Number**
- **People on site**
- **Purpose of Work**
- **Weather Conditions**

Errors are single line crossed out and initialed

Blank Space crossed out and initialed

Bottom of each page signed and dated

GEI Consultants

STANDARD OPERATING PROCEDURE

FD-002 Field Observation Report

1. Objective

A Daily Report may be required to accurately summarize the activities, observations, and decisions made during the day's field work. The daily field observation report may serve as a permanent record of the day's activity for the Project Manager (PM) and In-House Consultant (IHC).

2. Execution

- If required, at the close of the day's field work, a Daily Report must be prepared by the individual responsible for the field notebook. This report must be completed before leaving work for the day. Contents of the report should include, at a minimum, the following information.
    1. A record of person(s) present at the site, time of arrival, departure times (e.g., GEI, contractor(s), client, etc.).
    2. A record of the daily objective(s) and the activities performed (e.g., drilled five borings in the overburden).
    3. A summary of deviation(s) from the field plan or objectives.
    4. A summary of field decision(s) made, who made it/them, and the basis for such decision(s).
    5. A diagram, sketch, and/or map showing the location and extent of the work or other significant observation(s) made during the day.
    6. Any recommendations that may result from field observations and any actions that resulted from those recommendations.
    7. A summary listing and field sketch showing location(s) of field activity.
- Submit a draft report to the PM/IHC for review and editing related to the clarity and conciseness of the report. Complete any editorial changes, sign, date, and submit the report to PM/IHC for approval/signature. Field Observation Reports should be written neatly. They are not required to be typed unless specifically requested by the PM.

3. Notes

- Not all projects require daily field observation reports.
- The Field Observation Report should be based solely upon factual information, not opinions. Any speculation should be clearly noted in the report as such.

- The Field Observation Report should never be released to anyone other than the PM/IHC prior to review and signoff unless explicitly authorized by the PM/IHC.

4. References

New Jersey DEP Field Sampling Procedures Manual, August 2005.

Yerington Mine Site SOP-03 Standard Operating Procedure Field Notes and Documentation, Revision 0 Revision Date: June 6, 2006.

ASFE Model Daily Field Report (1991), ASFE, Inc.

5. Attachments

Attachment A – Example Daily Report Form

Attachment A

Attachment A: FIELD OBSERVATION REPORT

Project : **Date:**
Client : **Report No.**
Contractor: **Page:**
GEI Proj. No.

Time of Arrival: **Departure:** **Weather:**

Persons Contacted, Company **GEI Representatives**

Purpose of Site Visit:

Observations

1.

By:	**Reviewed By:**

STANDARD OPERATING PROCEDURE

FD-003 Sample Handling and Chain of Custody

1. Objective

To properly collect, label, document, preserve, package, and transport environmental samples; provide a record of the custody of any environmental field sample from time of collection to delivery to the laboratory. The chain of custody (COC) can be used as a legal document to demonstrate that samples were not mishandled and that they were delivered to the laboratory within the timeframe necessary to start analysis. A sample is under custody if it is in:

a) GEI's possession;
b) GEI's sight after being in GEI's possession;
c) it was in GEI's possession and then it was locked up to prevent tampering; or
d) a designated secure area. GEI facilities are designated secure areas.

2. Execution

- Review the work plan and Quality Assurance Project Plan (QAPP) prior to sampling to determine the following:
  i. The analysis required by the work plan and sample volumes required by the laboratory to perform those analysis. (Be explicit when requesting analysis on the COC (e.g. rather than "VOCs" [Volatile Organic Compounds], write "VOCs 8260".)
  ii. The turnaround time required by the project.
  iii. If the data will be sent directly from the laboratory to the data validator or Data Group.
  iv. Holding time restrictions for sampling media and analytical methods.
- Label the jar or bottle
- Following sample collection, the sample container is labeled using a waterproof marker with the sample ID, the date and time (military time) of sample collection, project number, sample preservatives, and the sampler's initials. Sample custody begins at this time.
- Record the above information in the field notebook.
- Individually wrap sample jars with packing material. Place samples in a chilled (4°C) cooler immediately after collection.
- Complete a COC for the samples as described below, and sign off on the COC each time a new person takes possession of the samples. A COC form must accompany each shipment/delivery of samples to the laboratory. GEI or laboratory COC forms may be used as long as the laboratory form contains the same required information as described below.

- An example COC is provided in Attachment A.
- Place a custody seal on the cooler if shipping.
- Transport samples to the laboratory as soon as possible. It is preferable the samples are sent from the field rather than brought back to the office for submission at a later date.

2.1. Chain of Custody (COC) Completion

- Record the project name and number, the sampler's name(s) and the site, town, and state where the samples were collected.
- For each sample, enter the sample identification number, date and time (military time) collected, whether the sample is a grab or composite sample and the number of sample containers. Record the type of analysis (including laboratory method; e.g. EPA-SW846 Method XX) requested and the preservative (if appropriate) in the vertical boxes.
- When samples are ready to be relinquished, complete the bottom of the form with date and time (military time) and signatures of relinquisher and receiver of samples as indicated. The sample collector is always the first signature while the analytical laboratory is the final signature. Theoretically, all individuals handling the samples between collection and laboratory should sign the form; however, if a common carrier (i.e., FedEx, UPS) is used for shipping, GEI must identify the carrier in the 'Received by' box on the COC. If the sampler hand delivers the samples to the laboratory, the received box must be signed by the laboratory.
- Include turnaround time and project contact on the COC.
- The forms are in triplicate (white, yellow, and pink copies). The pink copy should be retained by the sampling personnel and provided to the Data Group for proper filing. The white and yellow copies should accompany the samples to the laboratory.
- Prior to sample shipment, the COC must be placed inside the cooler (in a ziplock bag or other watertight package taped inside the lid of the cooler), and the cooler must be sealed with a signed COC seal.
- If a common carrier such as FedEx is used to transport the samples to the laboratory, include the carrier tracking number and identify the carrier in the "Received by" box on the COC.
- Any unused sampling containers/media that is sent back to the lab should be included on the COC. Return samples to the laboratory in a timely manner.
- Field duplicates should be anonymous to the laboratory, but must be recorded for use by the Data Group. To keep track of this information, link the field duplicate with the proper sample in the field copy of the COC and also the field book.

- Prior to samples being sent to the laboratory, the project or task manager will check the COCs for accuracy against the sample tracking summary, if appropriate, or the work plan.
- After the samples are sent to the laboratory, the field copy must be sent to the Data Group. You can send the field copy with duplicate information in the mail to the Data Group.

3. Notes

- The field notebook must document all GEI personnel who had custody of any samples prior to shipping the samples to the laboratory, the samples must be relinquished to the shipper and the COC signed and dated by the sampler and the shipper, even if both people are GEI personnel.
- Keep the number of people involved in collecting and handling samples and data to a minimum.
- Only allow people associated with the project to handle samples and data.
- Always document the transfer of samples and data from one person to another on chain of custody forms.
- Always accompany samples and data with their chain of custody forms.
- Give sample identification at all times that is legible and written with permanent ink.
- When sending samples via a common carrier, use one COC per package.
- Do not send samples from more than one site with separate COCs in a single package.

4. References

New Jersey Department of Environmental Protection, Field Sampling Procedures Manual, August 2005.

Connecticut Department of Environmental Protection, Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory

Determination of Volatile Organic Compounds, Version 2.0 February 28, 2006.

5. Attachments

Attachment A – Example Chain of Custody

Attachment A

Chain of Custody Record

Example COC

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: GEI	Project Manager: Dave Terry	Date: 12-31-07	Chain of Custody Number: 00452
Address: 455 Winding Brook Dr	Telephone Number (Area Code)/Fax Number: 860 368 5300 / 860 368 5307	Lab Number:	Page 1 of 1
City: Glastonbury / State: CT / Zip Code: 06033	Site Contact: M. Felter	Lab Contact: Paul Hobart	
Project Name and Location (State): Carroll Gardens NY	Carrier/Waybill Number: FedEx 9383 7603 0879		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: VOC 8260B	SVOC 8270C	TO-15 + NAPHTHALENE	Special Instructions/ Conditions of Receipt
CGSB-01 (0-2)	12-31-07	1130				X	X						X	X		
CGSB-02 (3-4)	12-31-07	1250				X	X						X	X		
CGSB-02 (3-4) MS	12-31-07	1250				X	X						X	X		
CGSB-02 (3-4) MSD	12-31-07	1250				X	X						X	X		
CGSB-XX (5-6)	12-31-07	0800				X	X						X	X		
CGTB-123107	12-31-07	1400				TB				X			X			
CGGW-01	12-31-07	1430		X			X			X			X	X		
CGSG-01	12-31-07	0700-1500	X												X	CANISTER# 2613 REGULATOR# 779

IF NEW JERSEY: "CLP data package deliverables"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other See Contract

QC Requirements (Specify): NYS Cat B ASP deliverable send to Lorie Mackinnon send EDD to datagroup@geiconsultants.com

1. Relinquished By: Melissa J Felter	Date: 12-31-07	Time: 1600	1. Received By: FedEx	Date: 12-31-07	Time:
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: USED FLOW CONTROLLER FOR AIR SAMPLE INCLUDED

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STANDARD OPERATING PROCEDURE

FD-004 Photo Documentation

1. Objective

To properly document and retain photographic records. Keeping a record of photographs taken is crucial to their validity as a representation of an existing situation.

2. Execution

- Photographs of a site, individual samples, or other observations should be taken using a digital camera.
- All photographic records should be recorded in the Field Notebook (SOP FD 001) and the following information should be recorded in the field notebook:
    i. Number of photograph in sequence.
    ii. Compass direction describing the direction the photograph was taken (e.g. looking southeast).
    iii. Brief description of what the photograph is intended to show.
- The field notebook should also note who took the photographs, and the date and time each photograph was taken.
- The photographs should be electronically backed up on a computer or other data storage device.
- Photographs should be placed on a photograph record template and the relevant information describing the photograph should be inserted into the caption section for each photograph.

3. References

New Jersey Department of Environmental Protection, Field Sampling Procedures Manual, August 2005.

4. Attachments

Attachment A – Example of Photo Documentation Template

Attachment A

Attachment A – Example of Photographic Record
GEI Consultants, Inc.

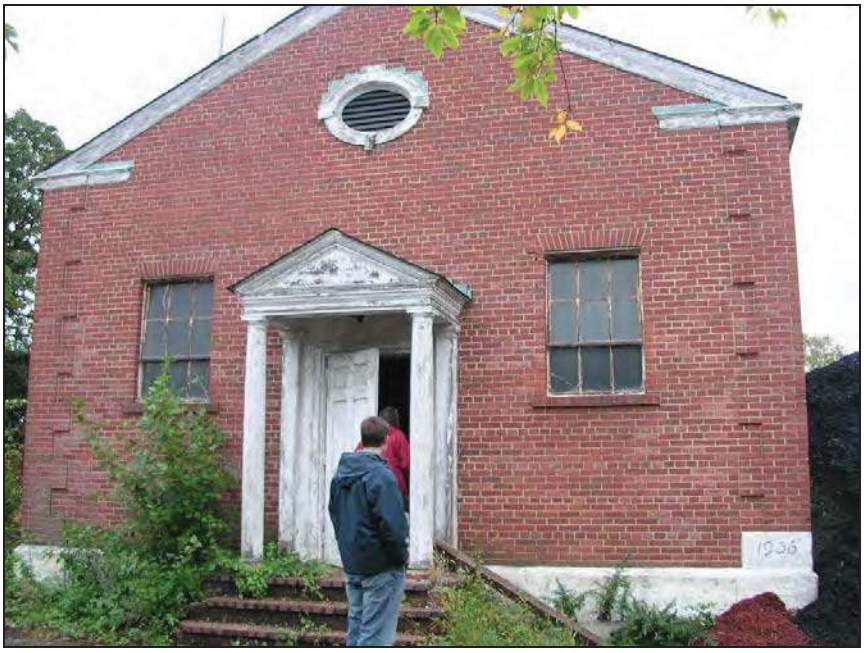
Project: Project Name

Location: Project Location



Photographer: K. Barber
Date: 10/25/07
Photo No.: 1
Direction: N

Comments:
Entrance of site with tree mulching operations.



Photographer: K.Barber
Date: 10/25/07
Photo No.: 2
Direction: W

Comments:
On-site building built in 1936.

STANDARD OPERATING PROCEDURE

FD-005 Surveying and Mapping Specifications

1. Objective

The objective of this Standard Operating Procedure (SOP) is to present the minimum requirements for establishing horizontal and vertical surveying control for field programs. Accurately surveyed locations are a key element in the evaluation of all field data, and are necessary for the preparation of geologic profiles and the interpretation of horizontal and vertical groundwater flow directions, and the locations of facilities. The accuracy of measurements and established elevations is particularly important when groundwater gradients are low, as errors may easily lead to misinterpretation of the direction of groundwater flow. The survey is usually performed after the field activities have been completed. Activities and land features requiring accurate horizontal and vertical control include:

- borings;
- test pits and trenches;
- monitoring wells and piezometers;
- geophysical surveys;
- surface water and drainage features;
- buildings and structures; and
- underground utilities and storage tanks as marked on the surface.

2. Execution

Mapping shall be based on field measurements and calculated to sufficient accuracy to be in conformance with A-2 standards, regardless of the intended end product of such work.

Standard site plans, as a minimum, shall provide the following elements:

- Location of all surface features, including, but not limited to: buildings, structures, fences, aboveground utilities, drainage equipment, underground features as marked on the surface, limits of pavement, landscaped or graded areas, and a general description of surface material and vegetation. All monitoring wells, soil borings, test pits, and other samples points shall be located.
- Location of all enclosed or abutting water bodies. Flow direction of rivers, streams, or surface drainage shall be noted with arrows.
- Location of boundaries by reference to other plans, when available, and to lines of occupation, where apparent. If this information does not exist, the surveyor shall make reference to Assessor's map and lot numbers.

- Disclaimers of certification to boundary and title should be prominently displayed.
- Location of surface features on abutting properties to a distance of 100 feet beyond property boundaries of study area are desired where practical, but in any case, to a minimum of 20 feet. Names of abutting property owners, as listed by the Town Assessor, shall be included.
- Include a location map of sufficient scale and detail to locate the site from a statewide reference.
- Provide a verbal and graphical scale of distance. All maps shall include a north arrow with reference to direction (magnetic, true, or grid). Unless a site-specific grid system is required, NAD83 (2007) should be identified as the horizontal datum.
- All maps shall be accompanied by copies of all field notes and sketches used in their preparation. The surveyor shall provide a coordinate and elevation list for all control and location points.
- Topography, when requested, shall conform to Class T-2 standards (90 percent of contours true to within 1/2 contour interval). The vertical datum should be identified on the plan. Monitoring well elevations shall be established at the ground surface and at the top of casing or riser.
- Requirements for location by state plane coordinates will include reference to geodetic monuments or global positioning system (GPS) base stations used.
- Plan should comply with GEI's Section 3 "File Specifications for Subcontractors" provided below.

Requests for boundary survey entail the following additional requirements.

- Examination of record descriptions of the property and adjoining parcels, of record surveys and plans, and of record easements appurtenant to the property. Record search will extend long enough to determine the original intended boundary locations. Certification as to ownership should be provided by the client's legal counsel.
- Location and description of all boundary monumentation found.
- Location of record easements and visible evidence of entry.
- Location and description of apparent encroachments by structures, occupation, and improvements on the property.
- Location and description of any conflict between deed description and actual occupation.
- Distance and bearing of property lines are to be shown to the nearest hundredth foot (0.01') and arc second (0°00'01"). Area should be shown in decimal acres and/or square feet.

- Plans should include certification as to conformation to state standards for boundary and topographic survey. No other certifications should be provided, except as specifically negotiated with the client.

2.1. Survey Requirements for Exploration Programs

The project manager shall go over the survey program with the survey chief to be sure that all requirements are understood and that the survey crew is alerted to potential site hazards.

The following criteria should be met for all survey programs.

- The survey is to be performed by or under the direction of a registered professional land surveyor.
- The survey shall be accurately performed to a precision of 0.01 foot for vertical control and 0.1 foot for horizontal control.
- Horizontal control is to be related to either a state plane coordinate system or the Universal Transverse Mercator (UTM) coordinate system. North American Vertical Datum (NAVD) 1988 should be used as the vertical datum unless a site-specific datum is required.
- Elevation precision to be obtained at monitoring wells and piezometers shall be:
    i. Top lip of protective casing without cover (0.01 foot); this point should only be used for vertical control and not for water-level measurements.
    ii. Top of monitoring well riser pipe (0.01 foot); a permanent reference point should be marked on the top of the riser to be used as the measuring point for all water-level measurements.
- Establish a permanent site benchmark on the most stable nearby feature and note its location on survey maps.
- The surveyor should submit a report of the survey, including a copy of all original field notes. Survey information needs to be reviewed carefully with respect to horizontal and vertical determinations. Survey errors may often be caught by using relative distances between wells or noting apparent anomalies in water levels or flow directions.

2.1.1. Previous Use of a Datum Other Than Mean Sea Level

Many times a parcel of land contains a previously established vertical benchmark on site to which elevations have been referenced. Such an arbitrary local datum may not provide any specific information about its relationship to Mean Seal Level (MSL), or a standard vertical datum. An arbitrary datum, when used, should be identified as a local or arbitrary datum. In other cases, when a standard city-wide local datum is used, the vertical relationship to the standard datum should be provided.

Otherwise, surveys at all sites subject to agency review shall be referenced to NAVD88.

2.1.2. Weather Conditions

Inclement conditions increase the chance for errors in identification, measurement, and recordings. Surveyors need to take extra time to assure proper identification of all monitoring wells surveyed, to guarantee ice- and snow-free surface elevation shots, and to carefully record survey data despite adverse conditions. Obtaining stable tripod set-ups may be more difficult under these conditions. Sightings should use shorter distances than under more favorable conditions. Warm, sunny days generate heat waves that may present problems for optical instruments.

2.1.3. Work at Hazardous Waste Sites

Surveyors need to be made aware of hazardous site conditions and potential exposures. Surveyors should have been enrolled in a health monitoring program for any sites which require personal protection above Level D. Note that anticipated risks to surveyors would be expected to be less than for those engaged in collecting samples or in subsurface explorations. However, potential exposure to hazardous materials should be pointed out and appropriate protective equipment worn and used. Surveyors shall also be made aware of other site activities and procedures for evacuation in case of emergency.

3. File Specifications For Subcontractors

3.1. General File Standards

- The method of naming files shall incorporate the name of the site and/or the GEI project number and the content. For example, SITE NAME-001110-Site Layout.
- All files provided to GEI will be electronically transmitted or recorded on CD, DVD, or other permanent recording medium. All referenced files and other supporting files such as special line types, color tables, images, etc., shall be included.
- All files are to be provided in .DWG or .DXF format and shall be compatible with AutoCAD Release 2007.
- It will be standard procedure to have purged all unused entities from a CAD file prior to delivery.
- Each file will be clearly labeled as follows:
    i. Project No.:
    ii. Project Name:
    iii. Drawing Title:
    iv. File Size:
    v. Date:

vi. Revised Date:

- Files which contain non-standard ACAD fonts, line types or custom menus are not acceptable.

3.2. General Drafting Standards

- All entity line types, colors, etc. are to be defined "BYLAYER."
- It shall be standard to use "object snap" for the creation or insertion of all entities (as compared to "eyeballing").
- All symbols will be originally drawn on layer "0." This will allow the symbol to acquire the color and line type properties it is inserted on. All symbols used to define sample locations are to contain attributes describing the sample identifier and any elevation data required by contract.
- All line entities are to be continuous polylines (PLINES).
- All text shall be rotated such that it is readable from the bottom of the sheet and from the right of the sheet. It will be standard to use the AutoCAD style "STANDARD" and Arial font whenever possible. All text shall be of a size such that it is legible when plotted at the file's intended scale.
- North up or to the right.

3.3. General Layering Standards

- The following are some of the acceptable layer names. Others may be added as needed. Descriptions of new layers are to be provided to GEI.
  i. PROPERTY (property lines)
  ii. TRAVERSE
  iii. BASELINE
  iv. BUILDING (buildings, other on-site/off-site structures)
  v. STREET
  vi. ELEC (all electrical lines, manholes, power poles, transformers)
  vii. WATER (all water lines, manholes, hand holes, gates, valves)
  viii. SAN (all sanitary sewer lines, manholes, catch basins, if combined sanitary/storm sewer)
  ix. STM (all storm sewer lines, manholes, roof drains, catch basins)
  x. CONTOUR (all contour lines & labels)
  xi. TEL (telephone)
  xii. GAS (all gas lines, valves, etc.)
  xiii. TEXT
  xiv. TANKRIVER
  xv. STREAM
  xvi. SEDIMENT (sediment sample location)
  xvii. SURFACE SOIL (surface soil sample location)
  xviii. MW (monitoring well location)

xix. BORING (soil boring location)
xx. SURFACE WATER (surface water sample location)
xxi. PAD, SLAB, STRUCTURE, FND (foundations or miscellaneous structures)
xxii. EASEMENT
xxiii. SAMPLING LAYERS (begin with “E” existing or “P” proposed)

3.4. Additional Data Required

- All files shall be accompanied by a “check plot” of each file. The “check plot” shall be checked for accuracy and corrected as necessary.
- Whenever surveyed files are supplied to GEI, they shall be considered incomplete until GEI is provided with copies of all field notes and sketches, data printouts, and a point reference file (if applicableI).

Section 4

DRILLING METHODS (DM)

SUMMARY GUIDANCE

DM-001 General Guidance on Determination of Appropriate Drilling Methods

1. Objective

There are multiple drilling methods which can be employed based on the type of stratum (e.g. overburden or bedrock) and the end use of borehole. End uses include geotechnical investigation, subsurface soil sampling, and monitoring well installation or a combination thereof.

The following text describes different methods of drilling with considerations for their use to collect groundwater and/or subsurface soil samples. Profiles of subsurface conditions encountered and well installation details must be recorded on logs. Procedures for field documentation are provided in Section 3 – Field Documentation.

2. Hollow-Stem Augers (HSAs)

Borings can be installed in unconsolidated formations using hollow-stem augers (HSAs). The augers are advanced by rotation and the drill cuttings are brought to the surface by travelling up the outside of the auger flights in a screw-like manner. HSAs have the advantage of allowing the well to be installed inside the hollow stem of the auger, which prevents the borehole from collapsing. Upon reaching the planned well depth, the casing and screen are placed inside the HSAs and the flights are individually removed while the annular space around the well is filled with the filter pack and grout, as appropriate. Conversely, solid-stem augers must be completely removed from the borehole before well installation, which can lead to collapse of the borehole. For this reason, solid stem augers are seldom used for installation of monitor wells.

HSAs come in a variety of sizes and allow collection of soil samples utilizing split spoons or Shelby tubes. Samples are collected ahead of the augers for determining soil/sediment type, stratigraphy, depth to the water table, and for collecting soil samples for chemical analysis. During this process, the standard penetration test (SPT, American Society for Testing and Materials [ASTM] Method D 1586) can also be performed. The HSA method also has an advantage over mud-rotary drilling techniques in that drilling mud is not used that can contaminate the soil samples and potentially reduce the yield of the wells.

A disadvantage of the method is that HSAs cannot be used to drill into competent bedrock or through large boulders. Also, "heaving or running sands" can be forced up inside the augers as a result of strong vertical groundwater gradients, which can hamper efforts to collect soil samples or complete well installation. Furthermore, the maximum depth achievable using HSAs, which is generally shallower than other methods, is dependent not only on the ability of the rig (e.g.,

horsepower, rig-torque, weight of augers, etc.), but also the lithology of the material drilled.

3. Rotary Drilling

Rotary drilling methods include both direct rotary and reverse-circulation rotary. Direct rotary is more commonly used in environmental investigations, whereas reverse-circulation rotary is used in drilling large-diameter water supply wells. In direct rotary drilling the borehole is advanced by rotating the drill pipe (rods) and bit to produce a cutting action. The cuttings are removed from the borehole by continuous circulation of a drilling fluid. The fluid or "mud" is pumped down the inside of the drill pipe and is circulated back to the surface on the outside of the pipe. The fluid removes the drill cuttings from the borehole and cools and lubricates the bit. Mud used during direct rotary consists of additives (e.g., bentonite), water, or air.

Reverse-circulation rotary drilling is similar to direct rotary except the drill rigs are larger and the flow of the drilling fluid is reversed. The drilling fluid moves upward inside the drill pipes and circulates back to the borehole via settling pits. The drilling fluid returns to the borehole via gravity and moves downward in the annular space between the drill pipe and borehole wall. Drilling fluids for reverse-circulation rotary are generally water and any suspended particles picked up from the surrounding formations.

Mud-rotary methods can be used to drill in both unconsolidated and consolidated (bedrock) formations. In addition, drilling mud stabilizes the borehole and limits the potential for borehole collapse. Disadvantages of using the mud-rotary method include the difficulty in determining the depth to the water table, the potential for drilling mud to impact soil samples and dragging of contamination into deeper zones since the drill cuttings are re-circulated in the borehole. Wells installed using this method typically take longer to develop than wells installed using the HSA or air-rotary methods due to the invasion of mud filtrate into the formation.

In air-rotary drilling, compressed air is directed down the inside of the drill pipe to a percussion “hammer” that breaks up soil and shatters rock. As in mud-rotary drilling, air removes the cuttings and lubricates the bit. However, since air has no viscosity, it cannot be used to stabilize a borehole therefore, casing must be advanced in unconsolidated formations to keep the borehole open. This is why air rotary methods are best suited for drilling in bedrock formations. The percussion-type air-rotary "hammer" bit provides the best penetration rate when drilling bedrock consisting of crystalline rock. However, when drilling above the water table, an air-rotary bit can grind the soil and bedrock to a fine powder which is blown out of the hole with air and which has the potential to be inhaled. Therefore, drilling above the water table using air-rotary methods requires the addition of potable water to the borehole for dust control. In addition, the air

compressor should be of the oil-less variety, or have a filter to prevent any oil from entering the borehole.

A disadvantage of using rotary methods while drilling in unconsolidated formations is the requirement of pulling the drill pipe out of the hole each time a split-spoon soil sample is collected (and the SPT is performed). This adds up to considerable amounts of time when deep wells are being installed or when continuous split-spoon sampling is being performed. As stated above, split-spoons used to collect soil samples can become contaminated when they are advanced down a mud-filled borehole.

A special type of rotary drilling is bedrock coring, wherein a special core bit and barrel are used to retrieve relatively undisturbed core samples of the bedrock. Coring allows better characterization of bedrock lithology and other features including orientation of fractures and bedding planes, which can control contaminant migration. Core barrels can either be unoriented or oriented. An oriented core is scribed with respect to magnetic north. Although more expensive than collecting an unoriented core, this method gives the true orientation of the features encountered in the core.

Drilling fluids are generally air (air-rotary) or bentonite and/or water (mud-rotary). Water added to a borehole must be of potable quality. The source of the potable water used during the installation (and development) of monitor wells should be documented (e.g., in the Remedial Investigation Report).

Bentonite is high swelling clay with sodium montmorillonite as its primary clay mineral. Bentonite is added to water to increase the viscosity of the drilling fluid so that drill cuttings can be removed from the borehole more effectively. At the same time, the viscosity must be low enough to allow cuttings and coarse-grained particles to settle out once they are circulated out of the hole. Bentonite also adds weight to the drilling fluid, which helps to maintain borehole stability.

4. Sonic Drilling

The method involves driving a core barrel using vibration, rotation, and a downward force to collect soil samples. A sonic drill rig looks and operates very much like a conventional top-drive rotary or auger rig. The main difference is that a sonic drill rig has a specially designed, hydraulically powered drill head or oscillator, which generates adjustable high-frequency vibrational forces. The oscillator uses two eccentric, counter-rotating balance weights or rollers that are timed to direct 100 percent of the vibrational energy at 0 and 180 degrees. There is an air spring system in the drill head that insulates or separates the vibration from the drill rig itself. The sonic head is attached directly to the drill pipe or outer casing, sending the high-frequency vibrations down through the drill pipe to the bit.

A core barrel is advanced using vibration, rotation, and downward force to collect continuous soil cores up to 20 feet in length. The bit at the end of the core barrel contains carbide teeth allowing the core barrel to be advanced through most overburden, soft bedrock, and minor obstructions such as bricks and boulders. Once the core barrel has been advanced, a secondary or "over-ride" casing is advanced down to the same depth as the inner core barrel. The over-ride casing keeps the borehole from collapsing while the inner core barrel is removed. Once the core barrel is removed, the soil core is pushed out of the core barrel through the use of vibration and either air or water pressure. Soil core diameters are dependent on the size of core barrel used and range from 3 to 12 inches. The use of multiple over-ride casings of increasing diameter allows the borehole to be telescoped down through multiple confining units. The setup used in sonic drilling makes this drilling method amendable to collecting soil cores and installing wells in angled boreholes. With only the bottom of the inner and outer core barrel exposed to the aquifer at any given time, determining the location of the water table can be difficult.

While this drilling method has the capability of drilling through and providing samples of coarse gravels, boulders, and tight clays, these situations will result in slow drilling or advancement of the core barrel. The result is a hotter core barrel and a longer contact time between the core barrel and the encased soil core. The aforementioned conditions will increase the probability that the sonic method will raise the temperature of the soil core and facilitate volatile organic compound (VOC) and semi-volatile organic compound (SVOC) loss.

The ability to quickly install deep borings and wells, while generating a large-diameter continuous soil core, makes this drilling technique invaluable when continuous soil sampling is needed to assess deep or complex geological situations. However, sonic drilling's high cost, relative to other drilling methods, may be prohibitive for small projects or shallow boreholes. The higher cost of the drilling method should be weighed against the cost savings incurred due to its faster drilling rate and high quality of the soil core produced.

5. GeoProbe®-Direct Push

The method involves hydraulically pushing a sampling device attached to a string of hollow rods into the subsurface for the purpose of collecting soil and/or groundwater samples (e.g., Geoprobe®). The method can be used to collect discrete soil samples or groundwater samples, as well as install small-diameter groundwater monitoring wells.

Advantages of the direct-push method include the relatively quick collection of groundwater samples and, when used along with a mobile laboratory, collection of data in “real” time. The method allows for collection of multiple samples in a day with the potential for achieving contaminant delineation in one mobilization of

the field equipment. The data can also be used to select locations of permanent monitor wells.

Disadvantages of using a mobile lab include the fact that the data quality achieved are often suitable only for screening purposes. Direct-push methods typically result in very turbid groundwater samples since an oversize borehole is not produced and a filter pack is not used. Turbid samples can produce higher metal concentrations in groundwater samples since metals are typically adsorbed onto soil particles. Use of direct-push methods can also cause cross-contamination since contamination from shallow zones may be driven down to deeper zones.

Another disadvantage of using direct-push technology for collecting groundwater samples is the potential to breech confining units. To prevent this, soil sampling using direct-push technology or conventional split-spoon sampling techniques should first be performed to identify the presence, depth and lateral extent of confining units. Pushing through confining units should be avoided if the presence of dense non-aqueous phase liquid (DNAPL) or very soluble compounds, such as methyl tert-butyl ether (MTBE), are suspected or the contaminant plume appears to be diving in the aquifer.

STANDARD OPERATING PROCEDURE

DM-002 Hollow-Stem Auger

1. Objective

To standardize the drilling of overburden soil borings for environmental investigations. This standard operating procedure (SOP) addresses the use of hollow-stem augers to drill the soil boring.

2. Execution

- If work is to be conducted on private property, verify that the client has been notified (see SOP PP-001) and that access has been granted.
- Ensure that markout procedures outlined in PP-001, PP-002, and PP-003 have been completed.
- Ensure that a safety check has been conducted.
- Inspect the drilling rig to make sure it has been appropriately decontaminated and that the down-hole equipment has been steam-cleaned. Check that the steam-cleaner is working properly (i.e., that steam is being produced). Record all observations and measurements in the field notebook.
- Plastic sheet, plywood sheet, or other suitable cover will be placed around the auger area during drilling, if needed, to contain soil cuttings.
- Soil cuttings will be placed in a 55-gallon steel drum or a roll-off container for subsequent sampling and disposal. Decontamination water and drilling water will be placed in tanks and/or 55-gallon steel drums for proper disposal.
- Prior to the start of drilling, the borehole location should be hand-cleared to a minimum of 5 feet below ground surface.
- For all split-spoon soil samples, use a 140-pound hammer to drive the sampler, unless conditions necessitate using a 300-pound hammer (see SOPs SM-001, *Split-Spoon Sampling* and SM-0003, *Soil Classification,* for details). Count and record the number of blow counts per 6-inch increments, confirming, blow counts with driller if necessary.
- Remove the sample with a clean laboratory spoon and transfer it directly to a suitable sample container.
- Label, preserve, and store the sample in accordance with SOP SC-002 *Sample Handling*.
- Decontaminate the split-spoon sampler after each use (see *Equipment Decontamination,* SOP QA-001) or use another decontaminated split-spoon sampler.
- Direct the drillers to drill the borehole to the top of the next sampling interval. Remove the auger cutting bit/plug and insert the split-spoon

sampler into the interior of the augers (the drillers are responsible for this activity). Measure the stick-up of the rods attached to the sampler to ensure that the nose of the spoon is in virgin soil below the augers.

- Watch for signs of a soil strata change at depth during drilling (i.e., change in blow counts, change in soil color, soil wetness, soil contamination, bouncing of the drill rig, etc.). If important to the investigation, stop drilling and collect a soil sample.
- Repeat until the borehole has been drilled to the desired depth.
- If a monitoring well is not installed in the soil boring, the boring should be abandoned with cement/bentonite grout. Do not backfill the boring with drill cuttings unless explicitly allowed under state-specific regulations and approved by the client.
- Complete boring log and, if necessary, well installation logs (SOP SM-003, *Soil Classification*).
- Record boring locations on a site map and in a field notebook sketch. Measure each location from onsite reference points in the field notebook so that enough information can be obtained to recreate the location.
- All boring locations or monitoring well locations should be surveyed and a boring/well location figure generated.

3. Notes

- In areas of significant soil contamination, hollow-stem augers may cross-contaminate upper soil layers as contaminated cuttings move up the auger flights. The potential also exists for contaminated augers to carry contamination to deeper soil strata.
- If *in situ* borehole permeability tests are to be performed prior to installation of the monitoring well, the hollow-stem auger method is not appropriate due to water loss at the auger junctions.
- If significant unanticipated contamination is encountered during drilling, stop drilling to confer with the project manager and evaluate health and safety conditions. If the borehole is to be advanced below the contaminated strata, use telescoping techniques, if appropriate, (see SOP DM-008 *Monitoring Well Telescoping*) to avoid cross-contaminating underlying geologic strata.
- When drilling below the groundwater table in fine to medium sands, the potential exists for the phenomenon of “running sands” or “blow in” to occur. Frequent measurements inside the hollow-stem augers after the drill bit/plug is removed will indicate if running sands are present.
- If necessary, arrange for the storage of contaminated soil cuttings and water in drums or other appropriate containers in a secure place at the site. Containers should be labeled.
- Plan the drilling program to drill borings from the least- to most-contaminated areas. Be prepared in advance and know where

alternative drilling locations are in the event that problems are encountered at each planned soil boring location. Alternative locations will need to have utility clearance.

4. References

Standard Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers (October 1990), American Society for Testing and Materials [ASTM] D5092-90.

Nielsen, D.M. (1993), "Correct Well Design Improves Monitoring," Environmental Protection, July, pp. 38-49.

Standard References for Monitoring Wells (April 1991), Commonwealth of Massachusetts Department of Environmental Protection, WSC-310-91.

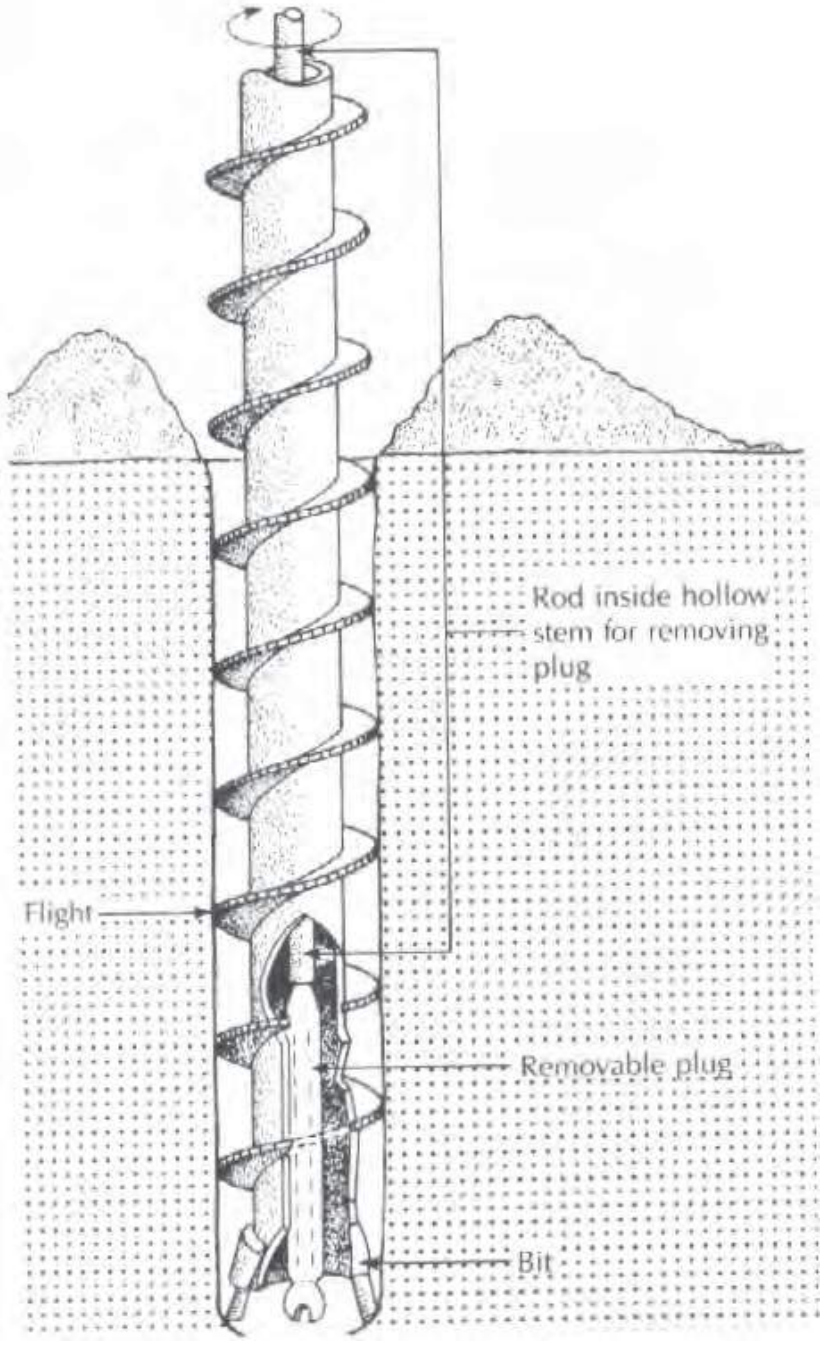
5. Attachments

Attachment A – Hollow-Stem Auger

Attachment A

SOP DM-002

Attachment A – Hollow Stem Auger



GEI Consultants

STANDARD OPERATING PROCEDURE

DM-003 Sonic Drilling

1. Objective

The objective of this standard operating procedure (SOP) is to standardize the drilling of overburden soil borings for environmental investigations. This SOP addresses the use of sonic drilling to drill the soil boring.

2. Execution

- If work is to be conducted on private property, verify that the client has been notified (see SOP PP-001) and that access has been granted.
- Ensure that markout procedures outlined in PP-001, PP-002, and PP-003 have been completed.
- Inspect the drilling rig to make sure it is clean and that the down-hole equipment has been steam-cleaned. Check that the steam-cleaner is working properly (i.e., that steam is being produced). Record all observations and measurements in the field notebook.
- Prior to the start of drilling, the borehole location should be hand-cleared to a minimum of 5 feet below ground surface (bgs).
- Collect soil cores in shorter runs. While some sonic rigs have the capability of collecting 20 feet of soil core at a time, the process of collecting the longer core results in the core being in contact with the core barrel for a longer period of time and consequently absorbing more heat from the core barrel itself.
- The core barrel should be cleaned with tap water following each use.
- The field geologist will classify and sample the soil located within the liner.
- Upon completion, the excess soil will be placed into a 55-gallon drum for disposal and the inner liner properly disposed.
- The core barrel will then be advanced, within the isolation casing on the same borehole, to collect the next soil core interval.
- Add water between the inner core barrel and the outer override casing. This water would reduce friction and adsorb heat between the inner core barrel and the outer over-ride casing.
- Maximize drilling advance rate. The faster the core barrel is advanced, the less likely the core barrel will heat up, and the less contact time the soil core has with the core barrel. Drilling with a 3-inch diameter core barrel and a 5-inch diameter override casing, instead of the standard 4-inch core barrel and 6-inch over-ride casing, may increase advance rates and reduce the potential for soil core heating.
- If a significant decrease in drilling advance rate is observed, stop drilling and remove what soil core has accumulated in the core barrel.

Resume drilling through the resistant material (gravel, boulder, hard clay, etc.). When the resistant material has been penetrated and the drilling advance rate increases, stop drilling and remove what material has accumulated in the core barrel.

- Wash down the core barrel with cool water to cool the core barrel and associated casing, and resume drilling.
- If a well is to be installed in the borehole, the sandpack and grout are placed as the core-barrel and over-ride casing(s) are selectively vibrated out of the ground. The vibratory action reportedly facilitates the settlement of the sandpack and grout. Upon completion, no casing is left in the ground other than the well casing and screen.

3. Notes

- Disturbance of the soil core is most likely to occur during removal of the soil core from the core barrel. The soil cores are usually vibrated out of the core barrel into plastic bags approximately 5 feet in length. As the plastic bags are a little larger than the soil core itself, fragmentation of the soil core may occur as the core is extruded into the bag or while the bagged core is being moved in an unsupported manner. Soil conditions that are prone to disturbance include wet or dry zones that contain little or no fines, and well graded sands that contain significant volumes of water.
- If integrity of the soil core is of concern, the following procedures should be implemented:
    i. Measures should be taken to ensure that the core, from the time it is extruded from the core barrel, is rigidly supported through the use of some type of cradle or carrying device.
    ii. The core should not be removed from its cradle until all sampling of the core has been completed. Acrylic liners are available for some core sizes and can be used to hold the core together upon removal from the core barrel.
    iii. If the soil is to be sampled for volatile organic compounds (VOCs), acrylic liners must be used.
    iv. Sampling of the soil core for VOCs or semi-volatile organic compounds (SVOCs) must be approved on a case by case basis. Proposals for VOC or SVOC soil core sampling must include provisions to minimize core fragmentation and heat generation, such as:
        1. Acetate liners in the core barrel so that the soil core does not have to be extruded out of the core barrel.
        2. Limit the length of soil core generated during a given downhole run.
        3. Implement practices to reduce the residency time of the soil core in the core barrel.

- For the analysis of SVOCs, the use of the acetate liners is not required.
- The large diameter of the core barrel enables ground water sampling equipment to be placed inside the core barrel so that discrete depth groundwater samples can be collected during borehole advancement.

4. References

Standard Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers (October 1990), American Society for Testing and Materials [ASTM] D5092-90.

STANDARD OPERATING PROCEDURE

DM-004 Drive and Wash

1. Objective

The objective of this standard operating procedure (SOP) is to standardize the drilling of overburden soil borings for environmental investigations. This SOP addresses the use of casing with either the drive-and-wash or spin method to drill the soil boring.

2. Execution

- If work is to be conducted on private property, verify that the client has been notified (see SOP PP-001) and that access has been granted.
- Ensure that markout procedures outlined in PP-001, PP-002, and PP-003 have been completed.
- Steam cleaning may be performed by drillers either on site or prior to site mobilization. If performed prior to site mobilization, observe the drilling rig to make sure it is clean and that the down-hole equipment has been steam-cleaned. Check that the steam-cleaner is working properly (i.e., that steam is being produced). Record all observations and measurements in the field notebook (See SOP FD-001).
- If a surface-soil sample is desired, this sample should be collected prior to hand-clearing the borehole and in accordance with SOP SM-001 and American Society of Testing and Materials (ASTM) Specification D-1586-84.
- Prior to the start of drilling, the borehole location should be hand-cleared to a minimum of 5 feet below ground surface.
- For all split-spoon soil samples, use a 140-pound hammer to drive the sampler, unless conditions necessitate using a 300-pound hammer (see SOPs SM-001, *Soil Sampling Techniques Including Split-Spoon* and SM-0003, *Soil Classification,* for details). Count and record the number of blow counts per 6-inch increments, confirming, blow counts with driller if necessary.
- Decontaminate the split-spoon sampler after each use (see SOP QA-001 *Equipment Decontamination).*
- Instruct drillers to drill the borehole, either by pounding or spinning the casing, to the top of the next sampling interval.
- The wash water should be carefully observed for indications of a soil strata change with depth (i.e., change in soil color and particle size). Record the changes and depth of changes on the boring log. Make sure that the soils in the borehole have been fully removed by the rotary bit before sampling by measuring the depth of the borehole, or by measuring the length of stick-up of drill rods to verify that the driller has sufficiently cleaned out the boring.

- Monitor the return wash water and record water losses from around the borehole onto the ground surface.
- Follow steps until the borehole has been drilled to the desired depth. If refusal is encountered, a 5-foot core of the rock (at a minimum) may be required to confirm the bedrock surface (see site-specific field sampling plan).
- If a monitoring well is not installed in the soil boring, the boring should be abandoned with cement/bentonite grout. Do not backfill the boring with drill cuttings unless explicitly allowed under state-specific regulations and approved by the client.
- Complete boring log and, if necessary, well installation logs (see SOP SM-006 *Rock Coring Log*).
- Record boring locations on a site map. Measure each location from on-site reference points and record the information in the field book.

3. Notes

- At all times, follow safety procedures as defined in the site-specific Health and & Safety Plan.
- When the first 5-foot section of casing is pounded into the ground, make sure that the casing (i.e., the borehole) is vertical.
- If significant unanticipated contamination is encountered during drilling, stop drilling to confer with the project manager and evaluate health and safety conditions.
- If the borehole is to be advanced below the contaminated strata, use telescoping techniques (see DM-008 *Monitoring Well Telescoping)* to avoid cross-contaminating underlying geologic strata.
- While drilling through contaminated strata, do not recirculate the drilling water. Be prepared to containerize the drilling water in these situations.
- When drilling below the groundwater table in fine to medium sands, the potential exists for the phenomenon of “running sands” to occur. To minimize the problem, remove the drill rods with the rotary bit very slowly while adding potable water to the casing. A head should be kept on the borehole at all times.
- Arrange for the storage of contaminated soil cuttings and water in drums or other appropriate containers in a secure place at the site (see SOP SC-003, *Investigation Derived Waste*).
- Plan the drilling program to drill borings from the least to most contaminated areas. Be prepared in advance and know where alternative drilling locations are in the event that problems are encountered at each planned soil boring location. These locations must also have been cleared by the state utility service prior to drilling.

4. References

Standard Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers (October 1990), American Society for Testing and Materials [ASTM] D5092-90.

Nielsen, D.M. (1993), "Correct Well Design Improves Monitoring," Environmental Protection, July, pp. 38-49.

Standard References for Monitoring Wells (April 1991), Commonwealth of Massachusetts Department of Environmental Protection, WSC-310-91.

ASTM Standard D1586, Standard Method for Penetration Test and Split Barrel Sampling of Soils.

STANDARD OPERATING PROCEDURE

DM-005 GeoProbe® Direct Push Boring

1. Objective

The purpose of this standard operating procedure (SOP) is to standardize soil sample collection using GeoProbe® and MacroCore® technologies. A Geoprobe® relies on a relatively small amount of static (vehicle) weight combined with percussion as the energy for advancement of a tool string. Using a Geoprobe®, you can drive a MacroCore® to obtain continuous soil cores or discrete soil samples.

2. Execution

- Complete utility markout procedures in accordance with PP-001, PP-002, and PP-003.
- Inspect the drilling rig to make sure it is clean and that the down-hole equipment has been steam-cleaned. Check that the steam-cleaner is working properly (i.e., that steam is being produced). Record all observations and measurements in the field notebook.
- Prior to the start of drilling, the borehole location should be hand-cleared to a minimum of 5 feet below ground surface.
- Insert a Macrocore® (MC) liner, (i.e., polyvinyl chloride [PVC]) into the sample tube, and connect a MC drive head to the top of the sample tube. A diagram of the MC assembly is provided as Attachment A.
- The drive head is then tightened into the sample tube, and a drive cap is attached to the drive head.
- Place the sampler in the driving position, and drive the sampler until the drive head reaches the ground surface.
- Remove the drive cap, attach a pull cap to the sampler drive head, and pull the sampler out of the ground.
- Remove the cutting shoe and filled liner.
- When the sampler is brought to the ground surface, it should be opened immediately, and the length of recovery should be measured and recorded.
- Decontaminate the sampler if necessary (SOP QA-001 *Equipment Decontamination*) and reassemble the parts with a new liner, and insert the sampler down the same hole to take the next soil core.
- In non-cohesive soils, slough material may enter the sampler as the next core is collected (see notes below).
- Careful logging of soil stratigraphy is necessary to document whether soil sloughing has occurred within the borehole (see limitations).
- Remove the sample with a clean laboratory spoon and transfer it directly to a suitable sample container.

- Label, preserve, and store the sample in accordance with SOP SC-002 *Sample Handling*.
- If a monitoring well is not installed in the soil boring, the boring should be abandoned with either cement/bentonite grout. Do not backfill the boring with drill cuttings unless explicitly allowed under state-specific regulations and approved by the client.
- Upon completion, all soil boring locations will be surveyed. This will include the location and ground surface elevation.

3. Notes

- The GEI oversight person shall ensure that the borehole created by the MC sampling tube does not collapse between collection of each sample. If the borehole collapses and representative samples cannot be obtained using the standard macro-core sampler, then one of two options may be used.
    i. The MC sampler can be fitted with a piston rod assembly, or a 1.5-inch outer diameter (OD), large bore sampler equipped with a piston rod assembly may be used to collect the samples. The sample tube (MC) is advanced through the caved-in borehole material to the top of the desired sampling interval. The sample tube remains closed by a piston tip as it is advanced. Upon reaching the target sample depth, the piston tip will be released and the discrete sampler device is then advanced to collect the representative sample.
    ii. The piston rod assembly is driven up to the top of the sample tube as the sample enters the tube.
- Because the MC sampling tube uses a dedicated, disposable liner made of clear plastic, the only part of the sampler that contacts the soil sample is the cutting shoe. Each sample liner will be disposed of after use and a new liner will be placed in the macro-core tube prior to collection of subsequent samples. Cutting shoes and sample collection spoons used to transfer samples to the laboratory jars will be decontaminated between use.

4. References

ASTM D6001-05 Guide for Direct Push Water Sampling for Geoenvironmental Investigations, April 2005.

GeoProbe Systems, "GeoProbe MacroCore MC-5 1.25-inch Light Weight Center Rod Soil Sample System SOP", Technical Bulletin No. MK 3139, November 2006.

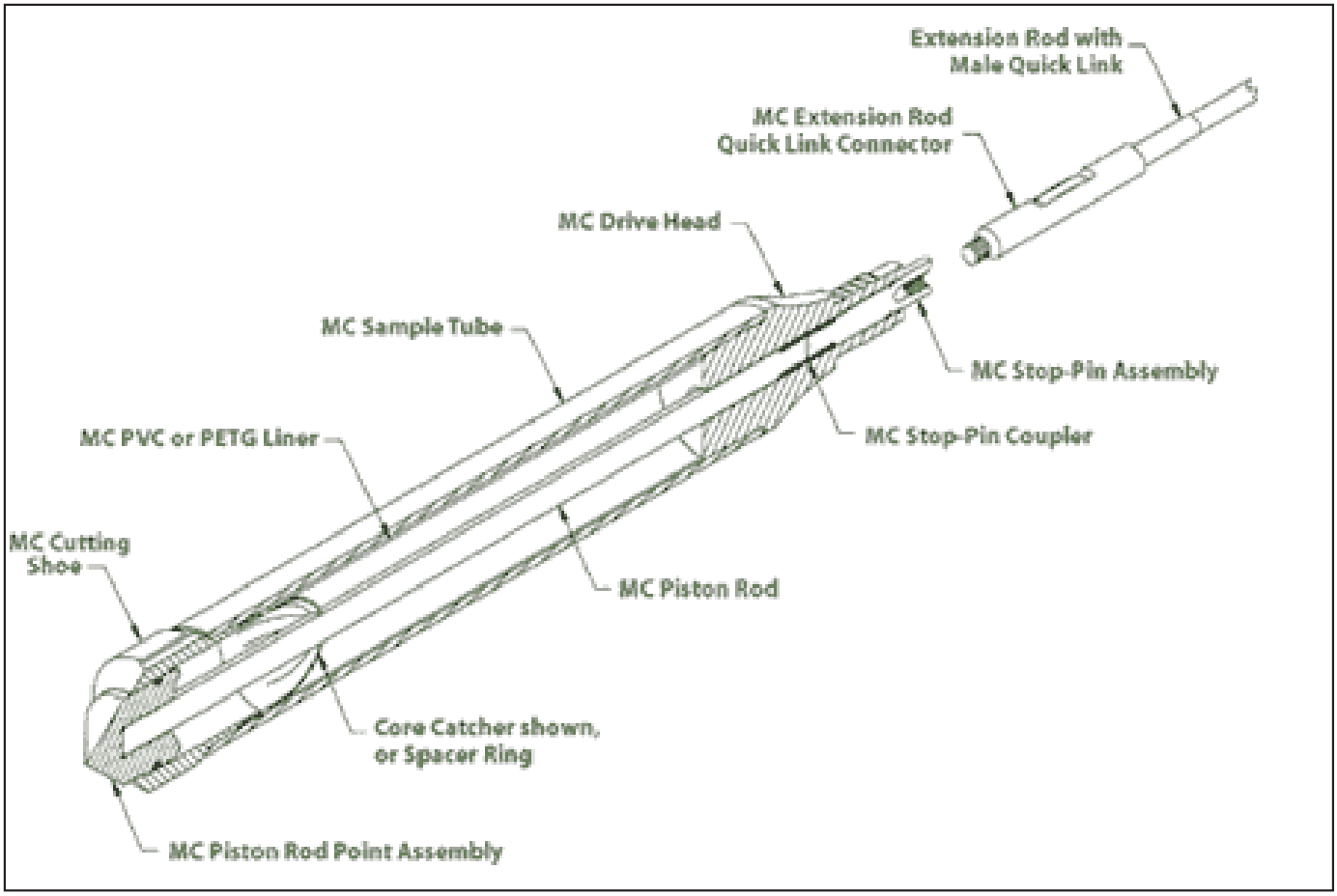
5. Attachments

Attachment A – GeoProbe® with Macrocore® Sampler Assembly

Attachment A

SOP DM-005

Attachment A – GeoProbe® with Macrocore® Sampler Assembly



Above: Diagram of a Macrocore® sampler

Right: A track-mounted GeoProbe ® Rig



GEI Consultants

STANDARD OPERATING PROCEDURE

DM-006 Monitoring Well Construction and Installation

1. Objective

The objective of this standard operating procedure (SOP) is to standardize the installation of overburden monitoring wells for environmental investigations. This SOP assumes the monitoring wells will be constructed of flush-joint polyvinyl chloride (PVC) pipe; the screened section will have factory-slotted openings. Well dimensions (well diameter, screen length, and screen slot-diameters) will be specified in the Work Plan and recorded in field notes, along with rationale for any changes from the work plan.

2. Execution

- Attachment A provides a diagram of typical shallow, intermediate, and deep groundwater monitoring well construction detail.
- During the monitoring well installation, record all pertinent information on Attachment B, Well Construction Form.
- Using a weighted tape, measure and record the depth of the completed soil boring (within the augers), if applicable, before beginning the well installation.
- Measure the depth to groundwater in the borehole over a 10 to 15 minute period to ensure that the groundwater elevation has approximately stabilized. Compare the saturated soil depth estimated from the soil samples, if collected prior to well installation, to the measured water level in the borehole. If drilling water has been used during boring advancement, pump the water out of the borehole to the static water depth, based on examination of the soil samples, and monitor the recovery of groundwater until the level has stabilized.
- Choose the monitoring well screen and riser lengths so that the slotted section of the screen intersects the groundwater table, for shallow wells. If the borehole is deeper than the desired well depth, then fill the base of the borehole with sand.
- A minimum of a one-foot sump should extend to the bottom of the well if dense non-aqueous phase liquid (DNAPL) is suspected.
- Monitoring well screens should be constructed of either 2 or 4 inch inner diameter (ID) 0.01-inch or 0.02-inch slotted Schedule 40 PVC well screen.
- If DNAPL is suspected, the monitoring well should be constructed of either 2 or 4 inch ID 0.02-inch slotted Schedule 40 PVC well screen.
- Monitoring wells should be constructed of either 2 or 4 inch ID Schedule 40 threaded flush-jointed PVC. One-inch wells may be installed with prior approval of the client and the New York State Department of Environmental Conservation.

- Install and secure a bottom well cap. The bottom cap should be secured with either a threaded coupling and/or stainless steel screws. Do not use any kind glue to secure well sections together.
- Place at least 12 inches of clean uniformly graded medium quartz filter sand pack into the base of the borehole. Measure and record the depth of the boring. Temporarily cover the top of the riser pipe and lower the complete well plus riser into the borehole, with the base resting on the sand pack.
- Add adequate sand to surround the area around the slotted section. The filter sand should extend at least 2 feet above the top of the slotted section.
- Remove the drilling casing/augers from the borehole slowly, at a maximum of 2-foot intervals. As the drillers pour or use tamping rods to place the filter sand in the borehole, take frequent measurements of the depth-to-sand. Do not let the sand "bridge" in the annular space. Continue to observe the water level in the borehole.
- Place at least 1 foot of bentonite seal above the filter pack. If the seal is above the water table, use at least 5 gallons of potable water to hydrate the bentonite.
- If necessary, pump bentonite-cement grout using a tremie pipe into the bottom of the annular space to the ground surface. Grout should be mixed in approximately the following proportions: 7.5 gallons water to one 94-pound bag of cement to 2-4 pounds of pulverized bentonite. The grout must be mixed using the pump on the rig to ensure proper mixing. The protective casing should be set in the grout before it sets.
- The protective surface casing will be either a flush-mounted roadbox or a steel “stick up” pipe. The base of either type of casing should extend at least 1 foot into the grout below the ground surface (below the frost line) whenever possible.
- Cut the monitoring well riser flat and place a mark or "V"-notch or an arrow on the casing with an indelible marker at one point for surveying and groundwater measurements. Cut the well riser so that the top of the well is 3 to 6 inches below the top of the protective casing.
- Set bentonite-cement grout in the annular space between the protective casing and the borehole up to the ground surface. Slope the concrete radially away from the protective casing at the ground surface to promote surface water runoff. In areas of high traffic or areas of parking lots and/or roadways where plowing occurs, set the roadbox FLUSH with the ground surface to avoid damage to the well.
- If the well is installed in a high-traffic area with a guardpipe, additional protection such as steel pole bumpers around the guardpipe may be necessary.
- Place a locking, vented cap on the well pipe.

- All well locations should be photodocumented in accordance with SOP FD-004, *Photo Documentation*.
- Label the protective well casing with a paint pen and tape out the location to nearby landmarks so that the well may be located in the future. Make sure to enter this information in the field notebook. If possible, place a brightly colored stake or other identifier adjacent to the well.
- Develop the well (see SOP DM-009, *Monitoring Well Development*).
- Upon completion, all newly installed monitoring wells will be surveyed. This will include the well location, ground surface elevation and measuring point elevation.

3. Notes

- At all times, follow safety procedures as defined in the site-specific Health and Safety Plan.
- Site-specific conditions must be evaluated to determine appropriate materials.
- The water table will fluctuate seasonally and from year-to-year. Try and estimate the maximum high and low elevations of the water table from the current water table elevation and the season. Place the 10-foot screen so that at least 2 feet of the screen will extend above the top of the screen when water is at its highest. If very substantial fluctuations in the groundwater table are expected, a 15-foot screen is acceptable.
- Do not screen across different hydrostratigraphic units if possible (for example, outwash sands and till) unless specified in the Work Plan or approved by the Project Manager.
- If the formation is composed of a material that is uniformly coarser than the filter sand, the grain size of the filter sand must be increased. Consideration should also be given to changing the slot size on the well screen. Differences in average grain size should generally not be greater than a factor of two to four times.
- Do not use borehole/auger cuttings for backfill during monitoring well installation. If the cuttings are suspected to contain contamination which was identified during drilling, cuttings are to be containerized for later characterization and not used for filter pack materials.
- Do not screen across a confining layer (e.g., silt or clay). Backfill all confining layers with hydrated bentonite or grout.

4. References

Standard Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers (October 1990), American Society for Testing and Materials [ASTM] D5092-90.

Nielsen, D.M. (1993), "Correct Well Design Improves Monitoring," Environmental Protection, July, pp. 38-49.

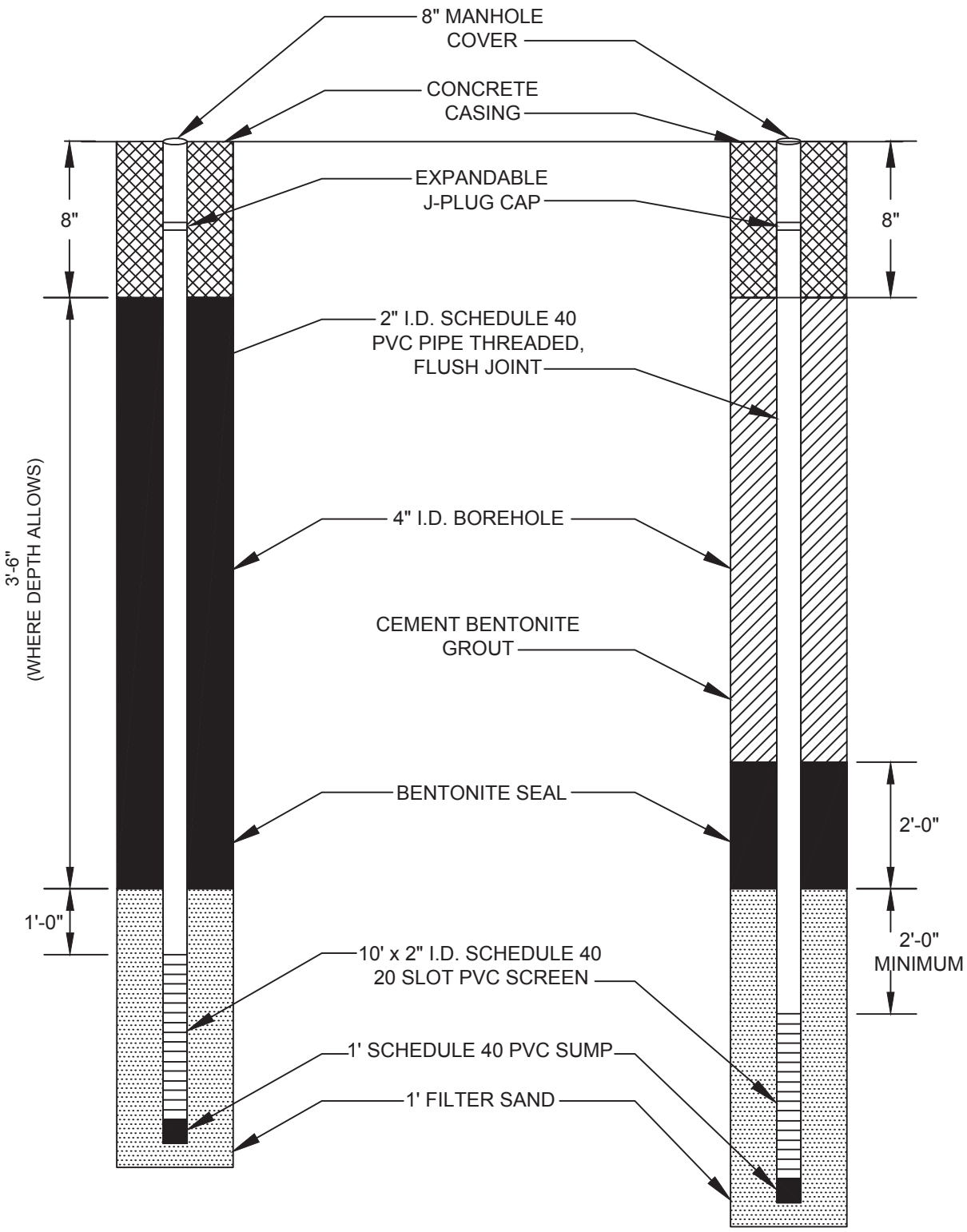
5. Attachments

Attachment A – Typical Shallow, Intermediate, and Deep Groundwater Monitoring Well Construction Detail

Attachment B – Well Construction Form

Attachment A

SHALLOW ***INTERMEDIATE AND DEEP***



NOT TO SCALE

GEI Consultants

TYPICAL SHALLOW, INTERMEDIATE AND DEEP GROUNDWATER MONITORING WELL CONSTRUCTION DETAIL

November 2010

Attachment B

WELL CONSTRUCTION FORM

Project _____ ID No. _____

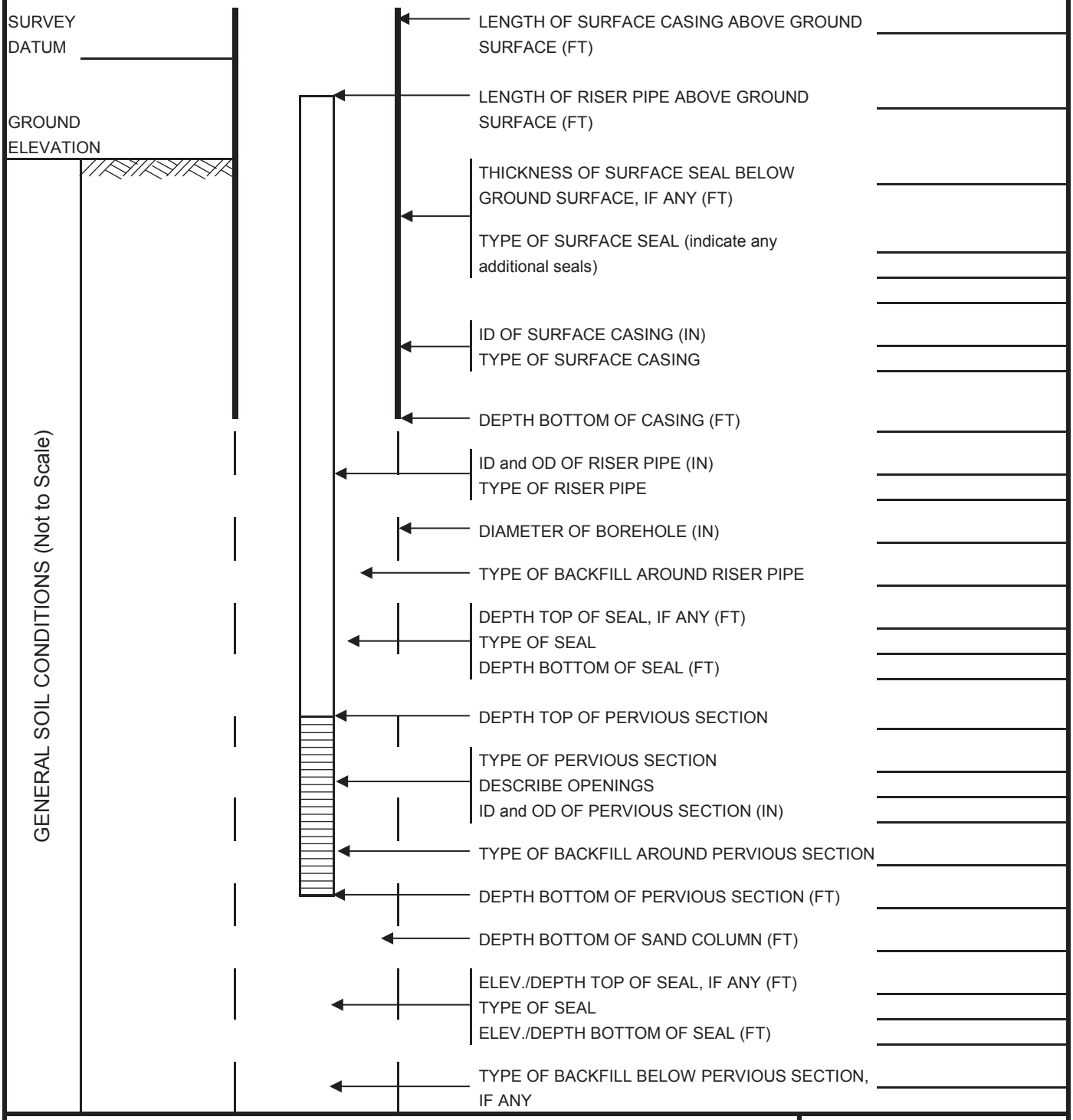
Location _____ PG. 1 OF 1

Client _____ Boring No. _____

Contractor _____ Driller _____ Location _____

Inspected by _____ Date Started _____

Checked by _____ Date Completed _____ Project No. _____



NOTES:

GEI Consultants

STANDARD OPERATING PROCEDURE

DM-007 Monitoring Well Telescoping

1. Description

The method of monitoring well telescoping prevents the connection of two stratigraphic layers during monitoring well installation. Typically, these two stratigraphic layers are overburden and bedrock strata, or overburden deposits with a semiconfining layer.

2. Execution

- If work is to be conducted on private property, verify that the client has been notified (see SOP PP-001) and that access has been granted.
- Ensure that markout procedures outlined in PP-001, PP-002, and PP-003 have been completed.
  Prior to the start of drilling, the borehole location should be hand-cleared to a minimum of 5 feet below ground surface.
- Install large diameter casing (e.g., 6-inch outer diameter) to the top of the bedrock or semiconfining layer.
- Drill or core at least 10 feet into bedrock, or an appropriate thickness into the semiconfining layer, to confirm the presence of bedrock and adequately separate stratigraphic units (see precautions below).
- Freshly mixed grout is required. Depending on application, a mixture of Portland cement and bentonite meets most grouting requirements. For proper consistency, use no more than 6 gallons of water per 94-pound sack of cement. Add a few pounds of bentonite or hydrated lime per sack of cement for a better flow.
- Use a tremie pipe to deliver grout outside the casing. This method is not recommended for depths greater than 100 feet. You can use this method if the space between the casing and the borehole wall is large enough to contain a 1-inch tremie pipe. Use the following procedures to complete grouting using this method:
  i. Lower the tremie-pipe to the bottom of the borehole outside of the well casing. Make sure that the lower end of the casing is tightly seated at the bottom of the borehole.
  ii. Mix a sufficient quantity of grout and pump it through the tremie pipe or let it descend naturally. As the grout is placed, lift the tremie pipe slowly, but keep the lower end submerged in the grout.
  iii. Fill the casing with water as the grout is placed to balance the fluid pressure inside and outside the casing. Doing so prevents grout from leaking under the bottom of the casing.
  iv. Allow the grout to set for a minimum of 24 hours.

v. Drill through the existing casing into bedrock to complete monitoring well. Install additional casing, polyvinyl chloride (PVC), or open borehole into bedrock.

3. Notes

- These operating procedures include drilling the borehole used to case off the overburden a minimum of 10 feet into a semiconfining layer. However, if dense non-aqueous phase liquid (DNAPL) and/or dissolved contamination is suspected or likely to be present in the weathered bedrock, the 10-foot casing requirement will hide the DNAPL from detection. In this case, an overburden well (with casing and screen) should be installed in the weathered bedrock and an outer steel casing installed 10 feet into bedrock would not be required.

4. References

Environmental Protection Agency, Region 4, "Environmental Investigation Standard Operating Procedures and Quality Assurance Manual, Chapter 6 – Design and Installation of Monitoring Wells," November 2001.

STANDARD OPERATING PROCEDURE

DM-008 Monitoring Well Development

1. Objective

To remove drilling fluids and fine soil particles that may be trapped in the monitoring well's sand pack and screen, and to set the sand pack so that it will function properly, and create good hydraulic communication between the well and the formation.

2. Execution

- Wait at least 48 hours following monitoring well installation before beginning development activities.
- Decontaminate all development equipment prior to use with, Alconox, and deionized-water rinses. See SOP QA-001, *Equipment Decontamination*.
- Calculate the volume of water in the monitoring well (one well volume).
- Record volume on Monitoring Well Development Record (Attachment A).
- Collect a sample of water from the monitoring well with a submersible pump, a bailer, or a water pump. Record the color and turbidity of the sample.
- Utilize one of the following methods for purging:
  - Surging;
  - Bailing;
  - Using a centrifugal pump and dedicated polyethylene tubing;
  - Positive displacement pumps and dedicated polyethylene tubing; and/or
  - Other methods recommended by the field geologist and approved by the client Project Manager.
- Purge groundwater until it runs clear (<50 nephelometric turbity units [NTUs]) or until pH, temperature and specific conductivity stabilize as judged suitable by the field geologist.
- Well development should not exceed two hours for a single well.
- Measure the purge rate (gallons per minute) and total volume purged.
- Monitor the groundwater level in the well during development to determine if the pumping rate is sufficient to create a drawdown in the well.
- Collect groundwater samples every few well volumes during the pumping and record the physical properties (color and turbidity).
- Stop pumping when the purge water is relatively clear. Place a surge block in the monitoring well (if the method of development doesn't include a down-hole pump which serves as a surge block). Slowly

move the surge block up and down in the well. Periodically remove the surge block and purge the groundwater until it is relatively clear again. Start at a slow pace and progress to a faster surging action through time.

- Monitor the turbidity and color of the water during this procedure. The well is considered fully developed when all of the following criteria have been met:
  i. The volume of fluid added during drilling has been removed.
  ii. The water removed from the well is relatively free of fine-grained particles.
  iii. Record the volume of water pumped from the well and the physical properties (color, turbidity) of the water.

3. Notes

- Always remove groundwater with fine particles from the well before surging. The fine particles may be forced into the well screen by the surging action.
- Pump contaminated groundwater into an approved container (properly labeled drum or portable tank for transfer into frac tank).
- Use a bailer to develop monitoring wells that are installed in soils that are composed of fine-grained silts and clays. Pumping and mechanical surging is not recommended because these more vigorous techniques can cause fine particles to clog the filter pack.
- Sampling of groundwater should not occur within one weekafter development.

4. Calculations

To calculate the volume of water in the well, the following equation is used:
Well Volume (V) = Br^2 h (cf) **[Equation 1]**
where:

B = pi (3.14)
r = radius of monitoring well in feet (ft)
h = height of the water column in ft. [This may be determined by subtracting the depth to water from the total depth of the well as measured from the same reference point.]
cf = conversion factor in gallons per cubic foot (gal/ft^3) = 7.48 gal/ft^3. [In this equation, 7.48 gal/ft^3 is the necessary conversion factor.]

Monitor well diameters are typically 2-, 3-, 4-, or 6-inches. A number of standard conversion factors can be used to simplify the above equation using the diameter of the monitor well. The volume, in gallons per linear foot, for various standard monitor well diameters can be calculated as follows:
Where:

V (gal/ft) = Br^2 (cf) **[Equation 1]**

B = pi (3.14)
r = radius of monitoring well (ft)
cf = conversion factor (7.48 gal/ft^3)

For example, a 2 inch diameter well, the volume per linear foot can be calculated as follows:

V (gal/ft) = Br^2 (cf) **[Equation 2]**
= 3.14 (1/12 ft)^2 7.48 gal/ft^3
= 0.1631 gal/ft

NOTE: The diameter must be converted to the radius in feet as follows:

Well Diameter (inches) x 0.5 = Well Radius (ft) **[Equation 3]**

The volume in gallons/feet for the common size monitor wells are as follows:

Well diameter (inches)	Volume (gal/ft)
2	0.1631
3	0.3670
4	0.6524
6	1.4680

If you utilize the volumes for the common size wells above, Equation 1 is modified as follows:
Where:

Well volume = (h) (f) **[Equation 4]**

h = height of water column (ft)

f = the volume in gal/ft calculated from Equation 2

5. References

Standard Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers (October 1990), American Society for Testing and Materials [ASTM] D5092-90.

Nielsen, D.M. (1993), "Correct Well Design Improves Monitoring," Environmental Protection, July, pp. 38-49.

"The Methods & Mechanics of Well Development, Part 2 of 5," National Drillers Buyers Guide, March 1993, p. 17.

Standard References for Monitoring Wells (April 1991), Commonwealth of Massachusetts Department of Environmental Protection, WSC-310-91.

U. S. EPA Environmental Response Team Standard Operating Procedure SOP: 2044 ," Monitor Well Development" REV: 0.1, 10/23/01.

6. Attachments

Attachment A - Monitoring Well Development Record

Attachment A

Monitoring Well Development Record

Project: _____ **Well ID:** _____ **Date:** _____

Total Well Depth (from top of casing): _____

Depth to Water (from top of casing): _____

Well Diameter: _____

Pump Intake Depth: _____

Sampling Crew: _____

Purge Time: *Start:* _____ *Finish:* _____

Purging Method: _____

Sample Time: *Start:* _____ *Finish:* _____

Sampling Method: _____

Sample Analysis: _____

Purge Data										
Sample Time	**Flow Rate** *(lpm/gpm)*	**Volume Purged** *(liters/gals.)*	**pH** *(std. Units)*	**Conductivity** *(mS/cm)*	**Turbidity** *(NTU)*	**Dissolved Oxygen** *(mg/l)*	**Temperature** *(Cel.)*	**Salinity** *(%)*	**ORP** *(mV)*	**Comments/Observations**
										Well Headspace PID =

Final Stabilization Data										
Sample Time	**Flow Rate** *(lpm/gpm)*	**Volume Purged** *(liters/gals.)*	**pH** *(std. Units)*	**Conductivity** *(mS/cm)*	**Turbidity** *(NTU)*	**Dissolved Oxygen** *(mg/l)*	**Temperature** *(Cel.)*	**Salinity** *(%)*	**ORP** *(mV)*	**Comments/Observations**

GEI Consultants

SUMMARY GUIDANCE

DM-009 General Guidance on Monitoring Well Abandonment

1. Objective

To properly abandon a monitoring well, preventing direct connections from surface conditions to the well screen zone.

When a decision is made to abandon a monitoring well, the borehole should be sealed in such a manner that the well can not act as a conduit for migration of contaminants from the ground surface to the water table or between aquifers. Guidelines for well abandonment are provided below but do not supersede state or local regulations. Make sure all well abandonment procedures adhere to appropriate regulations.

To properly abandon a well, the preferred method is to completely remove the well casing and screen from the borehole, clean out the borehole, and backfill with a cement or bentonite grout, neat cement, or concrete. In order to comply with New York State well abandonment requirements, the New York State Department of Environmental Conservation (NYSDEC) should be notified (if applicable) of monitoring well abandonment. However, some state requirements are not explicit, so a technically sound well abandonment method should be designed based on the site geology, well casing materials, and general condition of the well(s). In New York, the NYSDEC policy document titled, CP-43: Groundwater Monitoring Well Decommissioning Policy, should be followed. The document includes a flow chart to be used in selecting the appropriate decommissioning methods based upon the geologic and hydrogeologic conditions at the well site, the presence or absence of contamination in the groundwater and the original well construction details.

Execution

In accordance with NYSDEC's policy document referenced above, the four primary well decommissioning methods are:

- Grouting in-place.
- Perforating the casing followed by grouting in-place.
- Grouting in-place followed by casing pulling.
- Overdrilling and grouting with or without a temporary casing.

The methods and rationale for each of these methods is detailed in NYSDEC's policy document.

1.1. Borehole Abandonment

All soil borings not finished as monitoring wells or piezometers will be abandoned by adding neat cement grout or cement/bentonite grout via tremie pipe from the bottom of the borehole up to the ground surface. If the boring was completed via the hollow stem auger method, the borehole will be grouted as the augers are withdrawn, in the case of a direct-push soil boring, the borehole will be redrilled and pressure-grouted from the bottom depth of the borehole up. The neat cement grout will be mixed in accordance with the manufacturer's recommendations. The bentonite/cement grout will be mixed in the following relative proportions: 30 gallons of water to three 94-pound bags of cement to 25 pounds granular bentonite.

2. References

New York State Department of Environmental Conservation, *"CP-43: Groundwater Monitoring Well Decommissioning Policy"*, November 2009.

Environmental Protection Agency, Region 4, *"Environmental Investigation Standard Operating Procedures and Quality Assurance Manual, Chapter 6 – Design and Installation of Monitoring Wells,"* November 2001.

3. Attachment

Attachment A – CP-43: Groundwater Monitoring Well Decommissioning Policy

Attachment A

CP-43:Groundwater Monitoring Well Decommissioning Policy

New York State Department of Environmental Conservation

DEC POLICY

Issuing Authority: Commissioner Alexander B. Grannis	
Date Issued: November 3, 2009	**Latest Date Revised:**

I. Summary:

Groundwater monitoring wells provide essential access to the subsurface for scientific and engineering investigations (including monitoring wells installed for leak detection purposes). To a degree, every monitoring well is an environmental liability because of the potential to act as a conduit for pollution to reach the groundwater. To limit the environmental risk, a groundwater monitoring well must be properly decommissioned when its effective life has been reached. This document provides procedures to satisfactorily decommission groundwater monitoring wells in New York State. This policy also pertains to other temporary wells such as observation wells, test wells, de-watering wells and other small diameter, non-potable water wells. It does not pertain to water supply wells.

II. Policy:

Environmental monitoring wells should be decommissioned when:

1. they are no longer needed and re-use by another program is not an option; or
2. the well's integrity is suspect or compromised.

The method for decommissioning will be determined based upon well construction and environmental parameters. The method selected must be designed to protect groundwater and implemented according to current best engineering practices while following all applicable federal, state and local regulations. *Groundwater Monitoring Well Decommissioning Procedures* shall be maintained as an addendum to this policy.

This policy is applicable to all New York State Department of Environmental Conservation (DEC) programs that install, utilize and maintain monitoring wells for the study of groundwater, except monitoring wells for landfills regulated under 6 NYCRR Part 360 decommissioned in accordance with those regulations [*see* 6 NYCRR 360-2.11(a)(8)(vi)] and wells installed under the Oil, Gas and Solution Mining Law, Environmental Conservation Law Article 23. There is no specific time frame to dictate when to decommission a well; timing is dependent upon the use and condition of the well

and shall be determined on an individual basis. Best professional judgment must be exercised when using the decommissioning procedures. Outside of DEC use, this policy is mandatory when incorporated into the specifications of a state contract, an Order on Consent or a permit. In all other situations, it shall serve as guidance.

III. Purpose and Background:

This document establishes a monitoring well decommissioning policy and provides technical guidance. Synonyms for well decommissioning include "plugging," "capping" and "abandoning. For consistency, only the term "decommissioning" is used within this document.

Unprotected, neglected and improperly abandoned monitoring wells are a serious environmental liability. They can function as a pollution conduit for surface contaminants to reach the subsurface and pollute our groundwater. They also can cause unwanted mixing of groundwater, which degrades the overall water quality within an aquifer. Improperly constructed, poorly maintained or damaged monitoring wells can yield anomalous poor data that can compromise the findings of an environmental investigation or remediation project. Unneeded or compromised monitoring wells should be properly decommissioned in order to prevent harm to our groundwater.

Since 1980, the DEC has installed, directed or overseen the installation of thousands of monitoring wells throughout New York for various state and federal programs, such as Superfund, solid waste, Resource Conservation and Recovery Act (RCRA), spill response, petroleum bulk storage and chemical bulk storage. This guidance addresses the environmental liability associated with this aging network of wells.

Within its boring zone, a successfully decommissioned well prevents the following:

1. Migration of existing or future contaminants into an aquifer or between aquifers;
2. Migration of existing or future contaminants within the vadose zone;
3. Potential for vertical or horizontal migration of fluids in the well or adjacent to the well; and
4. Any change in the aquifer yield and hydrostatic head, unless due to natural conditions.

Monitoring well construction in New York varies considerably with factors such as age of the well, local geology and either the presence or absence of contamination. The predominant type of monitoring well in New York is the shallow, watertable monitoring well constructed of polyvinyl chloride plastic (PVC). The best method for decommissioning should be selected to suit the conditions and circumstances. Each decommissioning situation is to be evaluated separately using this guidance before a method is chosen and implemented.

IV. Responsibility:

The Division of Environmental Remediation (DER) is responsible for updating this policy and the *Groundwater Monitoring Well Decommissioning Procedures* (addendum) in consultation with the Division of Solid and Hazardous Materials (DSHM) and the Division of Water (DOW). Compliance with the guidance does not relieve any party of the obligation to properly decommission a monitoring well. Oversight responsibility will be carried out by the DEC Regional Engineer.

V. Procedure:

Groundwater Monitoring Well Decommissioning Procedures, the addendum to this policy, provides guidance on proper decommissioning of monitoring wells in New York State.

VI. Related References:

- Groundwater Monitoring Well Decommissioning Procedures, October 1986. Prepared by Malcolm Pirnie, Inc. for the New York State Department of Environmental Conservation, Division of Environmental Remediation.
- Standard Guide for the Decommissioning of Ground Water Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environmental Activities, ASTM D 5299-99. American Society for Testing and Materials (ASTM). Philadelphia. 2005.
- 6 NYCRR Part 360 Solid Waste Management Facilities, New York State Department of Environmental Conservation, Division of Solid and Hazardous Materials.
- Specifications for Abandoning Wells and Boreholes in Unconsolidated Materials, New York State Department of Environmental Conservation, Region 1 - Water Unit, undated.
- Handbook of Suggested Practices for the Design and Installation of Groundwater Monitoring Wells, EPA 600/4-89/034, United States Environmental Protection Agency (EPA).

[Page Intentionally Left Blank]

Final - August 2009

GROUNDWATER MONITORING WELL DECOMMISSIONING PROCEDURES



New York State Department of Environmental Conservation
Division of Environmental Remediation

[Page Intentionally Left Blank]

TABLE OF CONTENTS

INTRODUCTION 3

1.0 PREPARATION 3

2.0 DECOMMISSIONING METHODS 4
- 2.1 Grouting In-Place 5
- 2.2 Casing Perforating/Grouting In-Place 6
- 2.3 Casing Pulling 6
- 2.4 Over-Drilling 7

3.0 SELECTION PROCESS AND IMPLEMENTATION 8
- 3.1 Bedrock Wells 8
- 3.2 Uncontaminated Overburden Wells 9
- 3.3 Contaminated Overburden Monitoring Wells/Piezometers 9
- 3.4 Telescoped Riser 10

4.0 LOCATING AND SETTING-UP ON THE WELL 10

5.0 REMOVING THE PROTECTIVE CASING 10

6.0 SELECTING, MIXING, AND PLACING GROUT 11
- 6.1 Standard Grout Mixture 11
- 6.2 Special Mixture 12
- 6.3 Grout Mixing Procedure 12
- 6.4 Grout Placement 12

7.0 BACKFILLING AND SITE RESTORATION 13

8.0 DOCUMENTATION 13

9.0 FIELD OVERSIGHT 14

10.0 RELATED REFERENCES 14

FIGURES

FIGURE 1 - MONITORING WELL FIELD INSPECTION LOG

FIGURE 2 - DECOMMISSIONING PROCEDURE SELECTION

FIGURE 3 - WELL DECOMMISSIONING RECORD

APPENDICES

APPENDIX A - REPORTS

APPENDIX A1 - INSPECTOR'S DAILY REPORT

APPENDIX A2 - PROBLEM IDENTIFICATION REPORT

APPENDIX A3 - CORRECTIVE MEASURES REPORT

INTRODUCTION

This document, *Groundwater Monitoring Well Decommissioning Procedures*, is the addendum to CP-43, Groundwater Monitoring Well Decommissioning Policy, which provides acceptable procedures to be used as guidance when decommissioning monitoring wells in New York State. Please note that this document does not address some site-specific special situations that may be encountered in the field. Compliance with the procedures set forth in this document does not relieve any party of the obligation to properly decommission a monitoring well.

Unprotected, neglected and improperly abandoned monitoring wells are a serious environmental liability. They can function as a pollution conduit for surface contaminants to reach the subsurface and pollute our groundwater. They also can cause unwanted mixing of groundwater, which degrades the overall water quality within an aquifer. Improperly constructed, poorly maintained or damaged monitoring wells can yield anomalous poor data that can compromise the findings of an environmental investigation or remediation project. Unneeded or compromised monitoring wells should be properly decommissioned in order to prevent harm to our groundwater.

Previous versions of this guidance have been issued since 1995. Originally developed as a specification for well decommissioning at Love Canal, the procedures were rewritten to make them applicable across the state. From an engineering standpoint, the guidance has changed very little. Most situations do not require a complex procedure.

If you have any questions, please contact Will Welling at (518) 402-9814.

Sincerely,



Gerald J. Rider, Jr., P.E.
Chief, Remedial Section D
Remedial Bureau E
Division of Environmental Remediation

1.0 PREPARATION

If an unneeded monitoring well remains in good usable condition, an alternative to decommissioning might be the reuse by another agency program. DEC encourages reuse in situations where a well will continue to be used and cared for responsibly.

When reuse is not an option, the first step in the well decommissioning process is to review all pertinent well construction information. One must know the well depth and construction details. GPS coordinates and permanent labeling (if available) will be useful in confirming the well to be decommissioned. An inspection must be performed prior to decommissioning in order to verify the construction and condition of each well. Specific details and subsurface conditions form the basis for decisions throughout the decommissioning process.

Well Details

1. Is the well a single stem riser (all one diameter)?
2. Is the well a simple overburden well (no penetration into bedrock)?
3. Does the well riser consist of telescoping diameters of pipe which decrease with depth?
4. Is the well seal compromised (leaking, inadequate or damaged)?
5. If the well is PVC, is it 25 feet or shallower and not grouted into rock?
6. Can the riser be pulled and is removal of the well desired?
7. Is the well a bedrock well?
8. If the monitoring well is a bedrock well, does it have an open hole?
9. Is there a well assembly (riser and screen) installed within the bedrock hole?

Subsurface Conditions

10. Is the soil contaminated?
11. Does the well penetrate a confining layer?
12. If the well penetrates a confining layer, might overdrilling or casing pulling cause contamination to travel up or down through a break in the confining layer?
13. Does the screened interval cross multiple water-bearing zones?

For additional collection and verification of information, the "Monitoring Well Field Inspection Log" (Figure 1) can be used during a field inspection. After the well has been located and the information gathered, one is ready to select the decommissioning procedure in accordance with Section 2.

Special conditions, such as access problems, well extensions through capped and covered non-Part 360 landfills and seasonal weather patterns affecting construction, should be assessed in the planning stage. Decommissioning work requiring the use of heavy vehicular equipment on landfill caps should be scheduled during dry weather (if possible) so as to minimize damage to the cover. If work must be performed during the spring, winter or inclement weather, special measures to reduce ruts should be employed to maintain the integrity of a completed landfill cover system. As an example, placement of plywood under vehicular equipment can eliminate deep ruts that would require repair.

2.0 DECOMMISSIONING METHODS

The primary rationale for well decommissioning is to remove any potential groundwater pathway. A secondary rationale, often important to the property owner or owner of the well, is to physically remove the well. Removed well materials may be recycled and will not interfere with future construction excavation. The previous versions of these decommissioning procedures have stressed that physical removal of the well by pulling is preferable to leaving casing in the ground. Due to the added effort, expense and risk involved with pulling, the decision of whether to pull or not should be a separate consideration aside from selecting the sealing procedure.

One should select a decommissioning procedure that takes into account the geologic and hydrogeologic conditions at the well site; the presence or absence of contamination in the groundwater; and original well construction details. The selection process for well decommissioning procedures is provided by the flow chart, Figure 2. Answers to the questions

in the preceding section are the input for this flow chart. The four primary well decommissioning methods are:

1. Grouting in-place;
2. Perforating the casing followed by grouting in-place;
3. Grouting in-place followed by casing pulling;
4. Over-drilling and grouting with or without a temporary casing.

In a complex situation, one or more decommissioning procedures may be used for different intervals of the same well.

The remainder of Section 2 discusses the well decommissioning methods and the selection process. Refer to Figure 2 for a flow chart diagram of the complete procedure selection process. The DEC Project Manager has the discretion to deviate from the flow chart, (Figure 2), based on site conditions and professional judgment.

2.1 Grouting In-Place

Grouting in-place is the simplest and most frequently used well decommissioning method and grouting itself is the essential component of all the decommissioning methods. The grout seals the borehole and any portion of the monitoring well that may be left in the ground. Because dirt and foreign objects can fall into an open well, whenever possible a well should be sealed first with grout before attempting subsequent decommissioning steps.

For the purpose of these decommissioning procedures, the well seal is defined as the bentonite seal above the sand pack. Aside from obvious channeling by in-flowing surface water around the well, an indication of the well seal integrity may be obtained through review of the boring logs and/or a comparison of groundwater elevations if the well is part of a cluster. Any problems noted on the boring logs pertaining to the well seal, such as bridging of bentonite pellets or running sands, or disparities between field notes (if available) and the well log would indicate the potential for a poor (compromised) well seal.

If the well seal is not compromised and there is no confining layer present, a single-stem, 2-inch PVC, monitoring well can be satisfactorily decommissioned by grouting it in-place. If the seal is compromised, casing perforation may be called for as discussed in Section 2.2.

As discussed in Section 2.4 and its sub-sections, this method is specified for the bedrock portion of a well, and is used for decommissioning small diameter cased wells. Grouting in-place involves filling the casing with grout to a level of five feet below the land surface, cutting the well casing at the five-foot depth, and removing the top portion of the casing and associated well materials from the ground. The casing must be grouted according to the procedures in Section 6. In addition, the upper five feet of the borehole is filled to land surface and restored according to the procedures described in Section 7.

For open-hole bedrock wells, the procedure involves filling the opening with grout to the top of rock according to the procedures in Section 5. A thicker grout may be required to fill any bedrock voids. If excessive grout is being lost down-hole, consider grouting in stages to reduce the pressure caused by the height of the grout column.

The standard mix with the maximum amount of allowable water will be required to penetrate the well screen and sand pack when a well assembly has been installed within a bedrock hole. For an assembly such as this, the grout should be mixed thinly enough to penetrate the slots and sand pack. The grout mixes are discussed in Sections 6.1 and 6.2.

2.2 Casing Perforating/Grouting In-Place

Casing perforation followed by grouting in-place is the preferred method to use if there is poor documentation of the grouting of the well annulus, or the annulus was allowed to be back-filled with cuttings. The grout will squeeze through the perforations to seal any porous zones along the outside of the casing. The procedure involves puncturing, cutting or splitting the well casing and screen followed by grouting the well. A variety of commercial equipment is available for perforating casings and screens in wells with four-inch or larger inside diameters. Due to the diversity of applications, experienced contractors must recommend a specific technique based on site-specific conditions. A minimum of four rows of perforations several inches long around the circumference of the pipe and a minimum of five perforations per linear foot of casing or screen is recommended (American Society for Testing and Materials, Standard D 5299-99, 1999). After the perforating is complete, the borehole must be grouted according to the procedures in Section 6 and the upper five feet of borehole restored according to the procedures in Section 7.

2.3 Casing Pulling

Casing pulling should be used in cases where the materials of the well assembly are to be recycled, or the well assembly must be removed to clear the site for future excavation or re-development. Casing pulling is an acceptable method to use when no contamination is present; contamination is present but the well does not penetrate a confining layer; and when both contamination and a confining layer are present but the contamination cannot cross the confining layer. Additionally, the well construction materials and well depth must be such that pulling will not break the riser. When contamination is likely to cross the confining layer during pulling, a temporary casing can be used. See Section 2.4.

Casing pulling involves removing the well casing by lifting. Grout is to be added during pulling; the grout will fill the space once occupied by the material being withdrawn. An acceptable procedure to remove casing involves puncturing the bottom of the well or using a casing cutter to cut away the screen, grouting, using jacks to free casing from the hole, and lifting the casing out by using a drill rig, backhoe, crane, or other suitable equipment. Additional grout must be added to the casing as it is withdrawn. Grout mixing and placement procedures are provided in Section 6. In wells or well points in which the bottom cannot be punctured, the casing or screened interval will be perforated or cut away prior to being filled with grout. This procedure should be followed for wells installed in collapsible formations or for highly contaminated wells.

At sites in which well casings have been grouted into the top of bedrock, the casing pulling procedure should not be attempted unless the casing can be first cut or freed from the rock.

2.4 Over-Drilling

Over-drilling is the technique used to physically remove an entire monitoring well, its sand pack and the old grout column and fill. In situations where PVC screens and risers are expected to sever and removal of all well materials is required, over-drilling will be required. Over-drilling is called for when a riser can't be pulled and it penetrates a confining layer. Compared to the other procedures, over-drilling is the least common method of well decommissioning.

A "temporary casing" may be necessary when extraordinary conditions are present, such as a high concentration of mobile contaminants in the overburden, depth to water is shallow, there is poor construction documentation or shoddy construction practices. The approach involves installing a large diameter steel casing around the outside of the well followed by drilling / pulling /grouting within this casing. The casing is withdrawn at the end of pulling, grouting and (perhaps) drilling. If the confining layer is less than 5 feet thick, the casing should be installed to the top of the confining layer. Otherwise, it is installed to a depth of 2 feet below the top of the confining layer. After the outer casing has been set, the well can be removed and grouted through pulling if possible or removed and grouted by drilling inside the casing.

Over-drilling is used where casing pulling is determined to be unfeasible, or where installation of a temporary casing is necessary to prevent cross-contamination, such as when a confining layer is present and contamination in the deeper aquifer could migrate to the upper aquifer as the well is pulled. The over-drilling method should:

- Follow the original well bore;
- Create a borehole of the same or greater diameter than the original boring; and
- Remove all of the well construction materials.

In over-drilling the difficulty lies in keeping the augers centered on the old well as the bit is lowered; it will tend to wander off. As a precaution, the well column should be filled with grout before over-drilling. Then without allowing the grout to dry, the driller proceeds with over-drilling the well. Grouting first guarantees that if the drill wanders off the old well and the effort is less than 100% successful, the remaining well portion will at least have been grouted. There are many methods for over-drilling. Please note that the following methods are not suitable for all types of casing, and the advice of an experienced driller should be sought.

- Conventional augering (i.e., a hollow stem auger fitted with a pilot bit). The pilot bit will grind the well construction materials, which will be brought to the well surface by the auger.
- A conventional cable tool rig to advance "temporary" casing having a larger diameter than the original boring. The cable tool kit is advanced within the casing to grind the well construction materials and soils, which are periodically removed with large diameter bailer. This method is not applicable to bedrock wells.

- An over-reaming tool with a pilot bit nearly the same size as the inside diameter of the casing and a reaming bit slightly larger than the original borehole diameter. This method can be used for wells with steel casings.

- A hollow-stem auger with outward facing carbide cutting teeth having a diameter two to four inches larger than the casing.

Prior to over-drilling, the bottom of the well should be perforated or cut away, and the casing filled with grout as with casing removal by pulling.

In all cases above, over-drilling should advance beyond the original bore depth by a distance of half a foot to ensure complete removal of the construction materials. Oversight attention should be focused on the drill cuttings, looking for fragments of well materials. Absence of these indicators is a sign that the drill has wandered off the well. If wandering is suspected, having previously filled the well with grout, the remaining portion which cannot be over-drilled can be considered grouted in-place. When the over-drilling is complete, grout should be tremied within the annular space between the augers and well casings. The grout level in the borehole should be maintained as the drilling equipment and well materials are sequentially removed. As with all the other methods, the upper five feet of borehole should be restored according to the procedures in Section 7.

3.0 SELECTION PROCESS AND IMPLEMENTATION

The decommissioning procedure selection flow chart, Figure 2, is to be used to select decommissioning methods. The selection process first identifies the basic monitoring well type. There are only two types of monitoring wells described in this guidance, overburden wells and bedrock wells. Bedrock wells typically have an overburden portion which in the selection process is to be treated as an overburden well. Techniques are specified for wells based upon their type and the other physical conditions present. Decommissioning techniques called for by the selection process have their practical limits; construction details dictate when a well stem can be pulled without breaking and when it cannot be pulled. The DEC project manager has the discretion to deviate from the flow chart, (Figure 2), based on site conditions, budgetary concerns and professional judgment. The remainder of this section will discuss types of monitoring wells in various settings along with recommended decommissioning techniques.

3.1 Bedrock Wells

Referring to Figure 2 and Section 2.1, if the well extends into bedrock, the rock hole portion of the well is to be grouted in-place to the top of the rock. The grout mix, however, may vary according to the conditions. A thicker grout may be required to fill voids and a thinner grout may be necessary to penetrate well screen and sand pack. Refer to the grout mixture specifications given in Section 6.1 and 6.2.

Prior to grouting, the depth of the well will be measured to determine if any silt or debris has plugged the well. If plugging has occurred, all reasonable attempts to clear it should be made before grouting. The borehole will then be tremie grouted according to Section 6.4 from the bottom of the well to the top of bedrock to ensure a continuous grout column.

After the rock hole is grouted, the overburden portion of the well is decommissioned using appropriate techniques described below. If the bedrock extends to the ground surface, grouting can extend to the ground surface or to slightly below so that the site can be restored as appropriate in accordance with Section 7.

3.2 Uncontaminated Overburden Wells

For overburden wells and the overburden portion of bedrock wells, the first factor in determining the decommissioning method is whether the overburden portion of the well exhibits contamination, as determined through historical groundwater and/or soil sampling results. If the overburden is uncontaminated, the next criteria considers whether the well penetrates a confining layer. In the case that the overburden portion of the well does not penetrate a confining layer, the casing can either be tremie-grouted and pulled or tremie grouted and left in place. As a general rule, PVC wells greater than 25-feet deep should not be pulled unless site-specific conditions or other factors indicate that the well can be pulled without breaking. If the well cannot be pulled, the well should be grouted in-place as accordance with Sections 2.1 and 2.2.

If a non-telescoped overburden well penetrates a confining layer, the casing should be removed by pulling (if possible) in accordance with Section 2.3. If the casing cannot be removed by pulling, the well should be grouted in-place or where complete removal is required, removed by over-drilling. Over-drilling will be based upon the site-specific conditions and requirements. If pulling is attempted and fails (i.e., a portion of the riser breaks) the remaining portion of the well should be removed by using the conventional augering procedure identified in Section 2.4. Note that if the riser is broken during pulling, it is highly unlikely that the driller will be able to target it to over-drill it. This is the reason why all wells should be grouted first. In all cases, after the well construction materials have been removed to the extent possible, the borehole will be grouted in accordance with Section 6 and the upper five feet will be restored in accordance with Section 7.

3.3 Contaminated Overburden Monitoring Wells/Piezometers

Contamination in the overburden plays a role in the selection process. Any contamination present in the overburden must not be allowed to spread as a result of the decommissioning construction. For wells and piezometers suspected or known to be contaminated with light non-aqueous phase liquid (LNAPL) and/or dense non-aqueous phase liquid (DNAPL), often referred to as "product," the decision to decommission the well should be reviewed. Such gross contamination is a special condition and requires design of the decommissioning procedure. If decommissioning is determined to be the proper course of action, measurement of the non-aqueous phase liquid volume will be determined and this liquid will be removed.

If an overburden well (or the overburden portion of a bedrock well) is contaminated with LNAPL, DNAPL and /or dissolved fractions as indicated by historical sampling results, one must evaluate the potential for contamination to cross an overburden confining layer (if one exists) during decommissioning. A rock or soil horizon of very low permeability is known as a confining layer. Contamination in the overburden lying above a confining layer is a significant condition to recognize. To prevent mobile contaminants from crossing a confining layer during pulling or over-drilling, a temporary casing should be installed to isolate the work zone. One should follow the procedure selection flow chart. Some contaminated conditions call for over-

drilling or a specially designed procedure.

A well in contaminated overburden may be grouted in-place as long as the grout fully seals the well and boring zone. If a well in contaminated overburden was constructed allowing formation collapse as annular backfill or if the well has a compromised well seal, one must either physically remove the well or thoroughly perforate the riser and grout it in-place.

If physical removal of the well is required and the overburden contaminants are likely to be dragged upward or downward during decommissioning, a temporary casing should be used to seal off the construction work zone. Casing pulling and overdrilling can be safely accomplished within the temporary casing. Section 2.4 discusses the temporary casing technique.

3.4 Telescoped Riser

If the riser is telescoped in one or more outer casings, the decommissioning approach depends upon the integrity of the well seal. If there is no evidence that the well seal integrity is compromised, the riser should be grouted in-place in accordance with Sections 2.1 or 2.2 and the upper 5 feet of the well surface should be restored in accordance with Section 7. If indications are that the well seal is not competent, it will be necessary to design and implement a special procedure to perforate and grout or remove the well construction materials. The presence and configuration of the outer casing(s) will be specific in the individual wells and will be a key factor in the decommissioning approach. The special procedure must mitigate the potential for cross-contamination during removal of the well construction materials.

4.0 LOCATING AND SETTING-UP ON THE WELL

Prior to mobilizing to decommission a monitoring well, one should notify the property owner and/or other interested parties including the governing regulatory agency. It is advisable that when at the well location, one should review the proposed well decommissioning procedure. Verify well locations and identification by their identifying markers and GPS coordinates. Lastly, verify the depth of each well with respect to depth recorded on the well construction log.

5.0 REMOVING THE PROTECTIVE CASING

Most monitoring wells installed in non-traffic locations are finished with an elevated, protective casing (guard pipe) and a concrete rain pad. Wells at gasoline stations, usually being in high-traffic areas, are typically finished with a flush-mount, curb box and protective 8" dia steel inspection plate rather than a stick-up riser. The curb box is usually easily removed from around the flush-mount well before pulling or over-drilling. In the case of stick-up wells, the riser pipe may be bonded to the guard pipe and rain pad. When the protective casing and concrete pad of a stick-up monitoring well are "yanked out," a PVC riser will typically break off at the bottom of the guard pipe several feet below grade. Once this happens, it may become impossible to center a drill rig upon the well. The riser may become splintered and structurally unstable for pulling. Unless grouted first, the well may fill with dirt. Before pulling a casing or over-drilling a well, a method must be devised for removing these protective surface pieces without jeopardizing the remaining decommissioning effort.

Generally, unless the protective casing is loose and can be safely lifted off by hand, *one*

should fill the monitoring well with grout before removing the outer protective casing. This will ensure that the well is properly sealed regardless of any problems later when removing the protective casing. Remove the protective casing or road box vault initially only if the stick-up or vault will interfere with subsequent down-hole work which must be done before grouting. This down-hole work may include puncturing, perforating or cutting the screen or riser. But as a general procedure don't remove the protective casing or road box until after initial grouting is complete.

The procedure for removing the protective casing of a well depends upon the decommissioning method specified for the monitoring well. The variety of protective casings available preclude developing a specific removal procedure but often one can simply break up the concrete seal surrounding the casing and jack or hoist the protective casing out of the ground. A check should be made during pulling to ensure that the inner well casing is not being hoisted with the protective casing. If this occurs, the well casing should be cut off after the base of the protective casing is lifted above the land surface. At well locations where the riser has been extended, the burial of a previous concrete pad may require the excavation of soil to the top of the concrete pad to remove the well.

Steel well casing should be removed approximately five feet below the land surface so as to be below the frost line and out of the way of any subsequent shallow digging. The upper five feet of casing and the protective casing can be removed in one operation if a casing cutter is used.

Waste handling and disposal must be consistent with the methods used for the other well materials unless an alternate disposal method can be employed (i.e., steam cleaning followed by disposal as non-hazardous waste).

6.0 SELECTING, MIXING, AND PLACING GROUT

This section gives recipes for the "standard grout mixture" and the thicker "special grout mixture." Mixing and placing grout is also discussed in this section. The goal of well decommissioning is to eliminate the capability of water to travel up or down within the volume of the former well and its boring. Success depends upon the correct grout mixture and placement where it is needed. There are two types of grout mixes that may be used to seal monitoring wells: a standard mix and a special mix. Both mixes use Type 1 Portland cement and four percent bentonite by weight. However, the special mix uses a smaller volume of water and is used in situations where excessive loss of the standard grout mix is possible (e.g., highly-fractured bedrock or coarse gravels).

6.1 Standard Grout Mixture

For most boreholes, the following standard mixture will be used:

- One 94-pound bag Type I Portland cement;
- 3.9 pounds powdered bentonite; and
- 7.8 gallons potable water.

Slightly more water may be used in order to penetrate a sand pack when a well screen transects multiple flow zones. This mixture results in a grout with a bentonite content of four percent by weight and will be used in all cases except in boreholes where excessive use of grout is anticipated. In these cases a special thicker mixture will be used.

6.2 Special Mixture

In cases where excessive use of grout is anticipated, such as high permeability formations and highly fractured or cavernous bedrock formations, the following special mixture will be used:

- one 94-pound bag type I Portland cement;
- 3.9 pounds powdered bentonite;
- 1 pound calcium chloride; and
- 6.0-7.8 gallons potable water (depending on desired thickness).

The special mixture results in a grout with a bentonite content of four percent by dry weight. It is thicker than the standard mixture because it contains less water. This grout is expected to set faster than the Standard Grout Mixture due to the added calcium chloride. The least amount of water that can be added for the mixture to be readily pumpable is 6 gallons per 94-pound bag of cement.

6.3 Grout Mixing Procedure

To begin the grout-mixing procedure, calculate the volume of grout required to fill the borehole. If possible, the mixing basin should be large enough to hold all of the grout necessary for the borehole.

Mix grout until a smooth, homogeneous mixture is achieved. Grout can be mixed manually or with a mechanized mixer. Colloidal mixers should not be used as they tend to excessively decrease the thickness of the grout for the above recipes.

6.4 Grout Placement

This guidance requires that grout be placed in the well from the bottom to the top by means of a "tremie." A tremie is a pipe, a hose or a tube extending from the grout supply to the bottom of the well. The tremie delivers the grout all the way down through the water column without its being diluted and mixed with the water that may be present in the well. The tremie pipe or tube is withdrawn as (or after) the well is filled with grout.

Using the tremie, grout is placed in the borehole filling from the bottom to the top. Two-inch and larger wells should use tremie tubing of not less than 1-inch diameter. Smaller diameter wells will call for a smaller tremie pipe. Grout will then be pumped in until the grout appears at the land surface (when grouting open holes in bedrock, the grout level only needs to reach above the bedrock surface). Any groundwater displaced during grout placement, if known to be contaminated, will be contained for proper disposal.

At this time the rate of settling should be observed. If grouting the well in place, the well

casing remains in the hole. But if the decommissioning method has involved down-hole tools such as hollow-stem augers or temporary casing for overdrilling, these will be removed from the hole. As each section is removed, grout will be added to keep the level between 0 and 5 feet below grade. If the grout level drops below the land surface to an excessive degree, an alternate grouting method must be used. One possibility is to grout in stages; i.e., the first batch of grout is allowed to partially cure before a second batch of grout is added.

As previously described in Section 5.0, the outer protective casing "stick-up" should be removed only after a well has been properly filled with grout. This will ensure that the well is properly sealed regardless of any breakage which may occur when removing the stick-up. It is important to reiterate that when either casing pulling or over-drilling are required, due to the uncertainty of successfully pulling a well or over-boring a well, we insist that the driller tremie grout the well first. Then without allowing the grout to dry, the driller proceeds with pulling the casing or over-drilling the well.

Upon completion of grouting, ensure that the final grout level is approximately five feet below land surface. A ferrous metal marker will be embedded in the top of the grout to indicate the location of the former monitoring well. Lastly, a fabric "utility" marking should be placed one foot above the grout so an excavator can see it clearly.

7.0 BACKFILLING AND SITE RESTORATION

The uppermost five feet of the borehole at the land surface should be filled with material physically similar to the natural soils. The surface of the borehole should be restored to the condition of the area surrounding the borehole. For example, concrete or asphalt will be patched with concrete or asphalt of the same type and thickness, grassed areas will be seeded, and topsoil will be used in other areas. All solid waste materials generated during the decommissioning process must be disposed of properly.

8.0 DOCUMENTATION

A form which may be used in the field to record the decommissioning construction is included as Figure 3. Additional documentation may be required by a DEC project manager and samples are included in Appendix A. Programs within the DEC that maintain geographic data on monitoring wells strive to keep that data up to date. Owners of these data sets must be notified when a well is decommissioned. Historical groundwater quality data is linked to monitoring well locations so when a well is decommissioned, existing GIS data must be updated to reflect that fact but the coordinate location in the GIS database should not be eliminated. A metal detector may not be able to detect a deeply buried marker so if this locator is important for future utility runs or foundations, a map should be submitted to the property owner and the town engineer showing the decommissioned well locations. Global Positioning System (GPS) coordinates should be indicated on this map. Lastly, whatever documentation is produced should be provided to the property owner, the DEC, and all other parties involved.

9.0 FIELD OVERSIGHT

Over-drilling requires careful observation to detect whether the drill has wandered off the well. Grout preparation and tremie work should be carefully observed. The successful implementation of a decommissioning work plan depends upon proper direction, observation and oversight. Methods to be employed must be clearly worked through and all parties must understand what they have to do before going into the field. Flexibility is allowed where necessary but the work effort must be thorough and effective to protect our groundwater.

10.0 RELATED REFERENCES

- *Groundwater Monitoring Well Decommissioning Procedures*, October 1986. Prepared by Malcolm Pirnie, Inc., for the New York State Department of Environmental Conservation, Division of Environmental Remediation.

- American Society for Testing and Materials, A.S.T.M. D 5299-99, Standard Guide for the Decommissioning of Ground Water Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environmental Activities. A.S.T.M.. Philadelphia. 2005.

- New York State Department of Environmental Conservation, Division of Solid and Hazardous Materials, 6 NYCRR Part 360, Solid Waste Management Facilities.

- New York State Department of Environmental Conservation, Region I - Water Unit, Specifications for Abandoning Wells and Boreholes in Unconsolidated Materials, undated.

- United States Environmental Protection Agency, The Handbook of Suggested Practices for the Design and Installation of Groundwater Monitoring Wells, EPA 600/4-89/034.

FIGURES

FIGURE 1 - MONITORING WELL FIELD INSPECTION LOG

FIGURE 2 - DECOMMISSIONING PROCEDURE SELECTION

FIGURE 3 - WELL DECOMMISSIONING RECORD

APPENDICES

APPENDIX A - REPORTS

APPENDIX A1 - INSPECTOR'S DAILY REPORT

APPENDIX A2 - PROBLEM IDENTIFICATION REPORT

APPENDIX A3 - CORRECTIVE MEASURES REPORT

[Page Intentionally Left Blank]

FIGURE 1

MONITORING WELL FIELD INSPECTION LOG

FIGURE 1

SITE NAME:

SITE ID.: _____
INSPECTOR: _____
DATE/TIME: _____
WEll ID.: _____

MONITORING WELL FIELD INSPECTION LOG
NYSDEC WELL DECOMMISSIONING PROGRAM

	YES	NO
WELL VISIBLE? (If not, provide directions below)		
WELL I.D. VISIBLE?		
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....		

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		

HEADSPACE READING (ppm) AND INSTRUMENT USED..... _____
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) _____
PROTECTIVE CASING MATERIAL TYPE: ..... _____
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): ..... _____

	YES	NO
LOCK PRESENT?		
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		
WELL MEASURING POINT VISIBLE?		

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ..... _____
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): ..... _____
MEASURE WELL DIAMETER (Inches): ..... _____
WELL CASING MATERIAL: ..... _____
PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... _____
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE ..... _____
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES..... _____

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

FIGURE 2

DECOMMISSIONING PROCEDURE SELECTION

NYSDEC Monitoring Well Decommissioning Procedure Selection

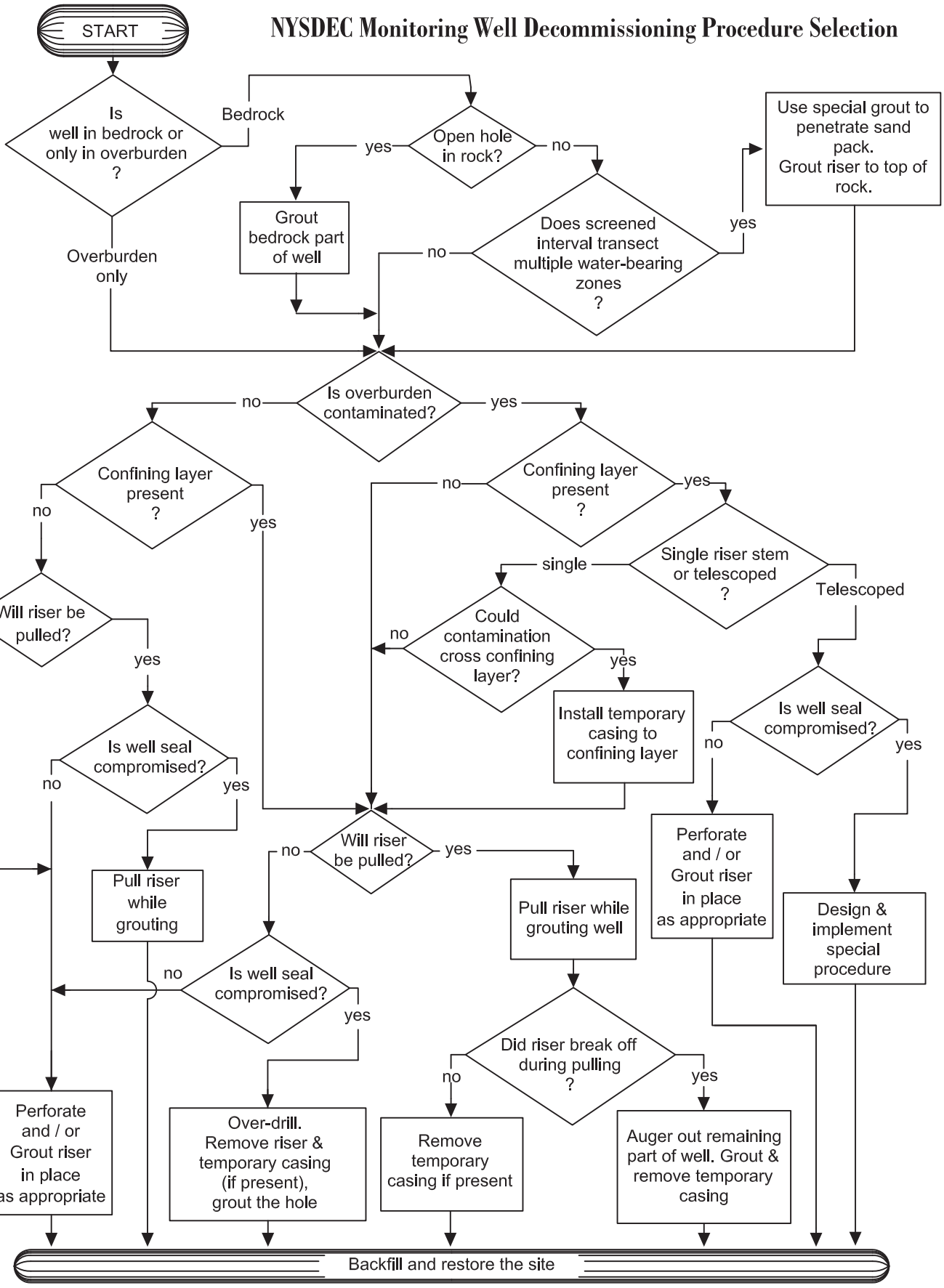


FIGURE 2

FIGURE 3

WELL DECOMMISSIONING RECORD

FIGURE 3

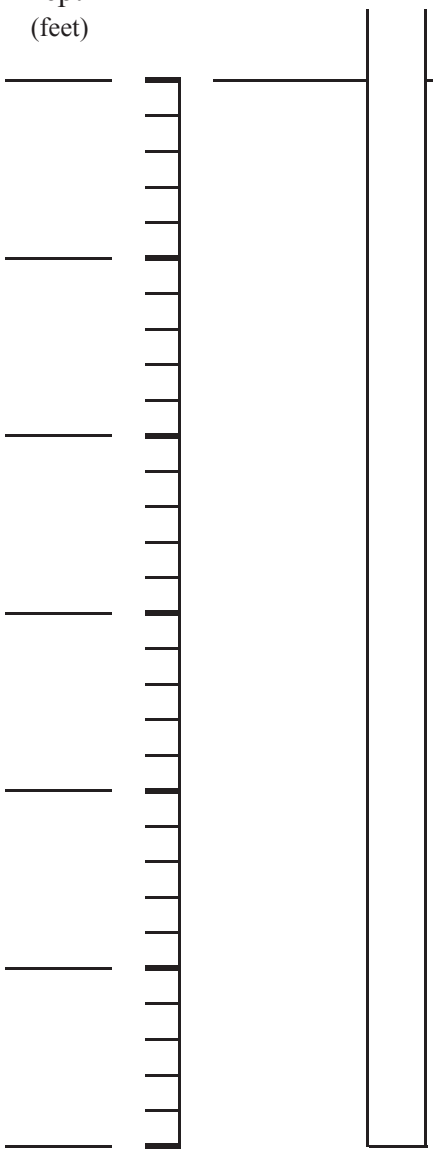
WELL DECOMMISSIONING RECORD

Site Name:	Well I.D.:
Site Location:	Driller:
Drilling Co.:	Inspector:
	Date:

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

APPENDIX A - REPORTS

APPENDIX A1 - INSPECTOR'S DAILY REPORT

APPENDIX A2 - PROBLEM IDENTIFICATION REPORT

APPENDIX A3 - CORRECTIVE MEASURES REPORT

[Page Intentionally Left Blank]

Appendix A1

Inspector's Daily Report

CONTRACTOR:
ADDRESS:

TELEPHONE:
LOCATION _____ FROM _____ TO _____
WEATHER _____ TEMP _____ A.M. _____ P.M. _____ DATE _____

CONTRACTOR'S WORK FORCE AND EQUIPMENT											
DESCRIPTION	*H*	*#*	*DESCRIPTION*	*H*	*#*	*DESCRIPTION*	*H*	*#*	*DESCRIPTION*	*H*	*#*
Field Engineer						Equipment			Front Loader Ton		
Superintendent			Ironworker			Generators			Bulldozer		
						Welding Equip.					
Laborer Foreman			Carpenter								
Laborer									Backhoe		
Operating Engineer			Concrete Finisher								
Carpenter						Paving Equip. & Roller					
						Air compressor					

SEE REVERSE SIDE FOR SKETCH YES ☐ NO ☐ _____

WORK PERFORMED: _____

PAY ITEMS

CONTRACT		STA		DESCRIPTION	QUANTITY	REMARKS
Number	ITEM	FROM	TO			

TEST PERFORMED: _____
PICTURES TAKEN: _____

VISITORS: _____

QA PERSONNEL
SIGNATURE _____

REPORT NUMBER _____
SHEET _____ Of _____

[Page Intentionally Left Blank]

PROBLEM IDENTIFICATION REPORT

Date _____

Day | Su | M | T | W | Th | F | Sa |

Project _____ Job Number _____

Contractor _____

Subject _____

Sky/Precip.	Clear	Partly Cloudy	Cloudy	Rainy	Snow
TEMP.	<32F	32-40F	40-70F	70-80F	80-90F
WIND	No	Light	Strong		
HUMIDITY	Dry	Mod.	Humid		

PROBLEM DESCRIPTION Reference Daily Report Number 1: _____

PROBLEM LOCATION - REFERENCE TEST RESULTS AND LOCATION (Note: Use sketches on back of form as appropriate):

PROBABLE CAUSES: _____

SUGGESTED CORRECTIVE MEASURES: _____

APPROVALS:

QA ENGINEER: _____

PROJECT MANAGER: _____

Distribution:
1. Project Manager
2. Field Office
3. File
4. Owner

QA Personnel
Signature: _____

MEETINGS HELD AND RESULTS

REMARKS

REFERENCES TO OTHER FORMS

SKETCHES

SAMPLE LOG

SAMPLE NUMBER

APPROXIMATE LOCATION OF STOCKPILE

NUMBER OF STOCKPILE

DATE OF COLLECTION

CLIMATIC CONDITIONS

FIELD OBSERVATION

SHEETS OF

CORRECTIVE MEASURES REPORT

Date _____

Project _____ Job Number _____

Contractor _____

Subject _____

Day | Su | M | T | W | Th | F | Sa |

Sky/Precip.	Clear	Partly Cloudy	Cloudy	Rainy	Snow
TEMP.	<32F	32-40F	40-70F	70-80F	80-90F
WIND	No	Light	Strong		
HUMIDITY	Dry	Mod.	Humid		

CORRECTIVE MEASURES TAKEN (Reference Problem Identification Report No.): _____

RETESTING LOCATION: _____

SUGGESTED METHOD OF MINIMIZING RE-OCCURRENCE: _____

SUGGESTED CORRECTIVE MEASURES: _____

APPROVALS:

QA ENGINEER: _____

PROJECT MANAGER: _____

Distribution:

1. Project Manager
2. Field Office
3. File
4. Owner

QA Personnel
Signature: _____

Section 5

SAMPLE COLLECTION AND FIELD SCREENING (SC)

SUMMARY GUIDANCE

SC-001 General Guidance on Sample Collection

1. Overview

The primary objective of all sampling activities is to characterize a site accurately so that its impact on human health and the environment can be properly evaluated. It is only through sampling and analysis that site hazards can be measured and the job of cleanup and restoration can be accomplished effectively with minimal risk. The sampling itself must be conducted so that every sample collected retains its original physical form and chemical composition. In this way, sample integrity is insured, quality assurance standards are maintained, and the sample can accurately represent the larger body of material under investigation. The extent to which valid inferences can be drawn from a sample depends on the degree to which the sampling effort conforms to the project's objectives. For example, one sample may produce adequate, technically valid data to address the project's objectives. Meeting the project's objectives requires thorough planning of sampling activities, and implementation of the most appropriate sampling and analytical procedures.

2. Sample Purposes

In relation to the media to be sampled, two basic types of samples can be considered:

2.1. Waste Characterization Sample

Hazardous or concentrated samples are those collected from drums, tanks, lagoons, pits, waste piles, soil, groundwater, soil vapor, fresh spills, or areas previously identified as contaminated, and require special handling procedures because of their potential toxicity or hazard. These samples can be further subdivided based on their degree of hazard; however, care should be taken when handling and shipping any wastes believed to be concentrated regardless of the degree.

2.2. Environmental sSample

Environmental samples are those collected from streams, ponds, lakes, wells, and are off-site samples that are not expected to be contaminated with hazardous materials. They usually do not require the special handling procedures typically used for concentrated wastes. However, in certain instances, environmental samples can contain elevated concentrations of pollutants and in such cases would have to be handled as hazardous samples.

The importance of making the distinction between environmental and hazardous samples is two-fold:

- Personnel safety requirements: Any sample thought to contain enough hazardous materials to pose a safety threat should be designated as hazardous and handled in a manner which ensures the safety of both field and laboratory personnel.
- Transportation requirements: Hazardous samples must be packaged, labeled, and shipped according to the International Air Transport Association (IATA) Dangerous Goods Regulations or the Department of Transportation (DOT) regulations and U.S. Environmental Protection Agency (EPA) guidelines.

3. Sample Collection Techniques

In general, two basic types of sample collection techniques are recognized, both of which can be used for either environmental or hazardous samples.

3.1. Grab Samples

A grab sample is defined as a discrete aliquot representative of a specific location at a given point in time. The sample is collected all at once at one particular point in the sample medium. The representativeness of such samples is defined by the nature of the materials being sampled. In general, as sources vary over time and distance, the representativeness of grab samples will decrease.

3.2. Composite Samples

Composites are non-discrete samples composed of more than one specific aliquot collected at various sampling locations and/or different points in time. Analysis of this type of sample produces an average value and can in certain instances be used as an alternative to analyzing a number of individual grab samples and calculating an average value. It should be noted, however, that compositing can mask problems by diluting isolated concentrations of some hazardous compounds below detection limits. Compositing of hazardous waste is often performed after compatibility tests have been completed to determine an average value over a number of different locations (group of drums). This procedure generates data that can be useful by providing an average concentration within a number of units, can serve to keep analytical costs down, and can provide information useful to transporters and waste disposal operations.

For sampling situations involving hazardous wastes, grab sampling techniques are generally preferred because grab sampling minimizes the amount of time sampling personnel must be in contact with the wastes, reduces risks associated with compositing unknowns, and eliminates chemical changes that might occur due to compositing.

3.3. Types of Sampling Strategies

The number of samples that should be collected and analyzed depends on the objective of the investigation. There are three basic sampling strategies: random, systematic, and judgmental sampling.

- Random sampling involves collection of samples in a nonsystematic fashion from the entire site or a specific portion of a site.
- Systematic sampling involves collection of samples based on a grid or a pattern which has been previously established.
- When judgmental sampling is performed, samples are collected only from the portions) of the site most likely to be contaminated.

Often, a combination of these strategies is the best approach depending on the type of the suspected/known contamination, the uniformity and size of the site, the level/type of information desired, etc.

4. Sample Hold Time, Container, and Preservation Methods

The following table provides general required Holding Time, Container, and Preservation Methods. Most of the information is specific to the EPA analytical method and should be pertinent to all sampling schemes. However, some analytical preservation and analytical methods are state specific. The QAPP should clearly identify preservation methods and hold times prior to sampling.

Samples should be submitted to the laboratory as soon as possible. It is preferable to send samples from the field via courier service rather than bringing to the office for later pickup.

Aqueous

Parameter	Holding Time	Container	Volume	Preservative
Acidity	14 days	P, G	100 ml	Cool, 4°C
Alkalinity	14 days	P, G	100 ml	Cool, 4°C
Biological Oxygen Demand (BOD)	48 hours	P, G	1000 ml	Cool, 4°C
Chemical Oxygen Demand (COD)	28 days	P, G	100 ml	Cool, 4°C, H_2SO_4 to pH<2
Chloride	28 days	P, G	100 ml	Cool, 4°C
Chromium, Hexavalent	24 hours	P, G	250 ml	Cool, 4°C
Cyanide				
Amenable	14 days[1]	P, G	500 ml	Cool, 4°C, NaOH to pH>12
Free	14 days[1]	P, G	500 ml	Cool, 4°C, NaOH to pH>12
Total	14 days[1]	P, G	500 ml	Cool, 4°C, NaOH to pH>12
Fluoride	28 days	P	100 ml	Cool, 4°C
Hardness, Total	6 months	P, G	100 ml	HNO_3 to pH<2
Metals (except Cr+6, Hg)	6 months	P	500 ml	Cool, 4°C, HNO_3 to pH<2
MBAS	48 hours	G	500 ml	Cool, 4°C
Mercury	28 days	P, G	500 ml	HNO_3 to pH<2
N, Ammonia	28 days	P, G	100 ml	H_2SO_4 to pH<2
N, T. Kjeldahl	28 days	P, G	500 ml	H_2SO_4 to pH<2
N, Nitrate	48 hrs/ 28 days preserved	P, G	100 ml	Cool, 4°C or add H_2SO_4 to pH<2
N, Nitrite	48 hours	P, G	100 ml	Cool, 4°C
Oil and Grease	28 days	G	1000 ml	Cool, 4°C, H_2SO_4 or HCl to pH<2
Petroleum Hydrocarbons	14 days	G	1000 ml	Cool, 4°C, H_2SO_4 to pH<2
pH	Analyze Immediately	P, G	50 ml	N/A
Phenols,Recoverable	28 days	G	500 ml	Cool, 4°C, H_2SO_4 to pH<2
Phosphorus, Ortho	48 hours	P, G	100 ml	Filter, Cool, 4°C
Phosphorus, Total	28 days	P, G	100 ml	Cool, 4°C, H_2SO_4 to pH<2
Radiological Tests				
Alpha, Beta & Radium	6 months	P, G	4 L	Cool, 4°C, HNO_3 to pH<2
Solids, Total	7 days	P, G	100 ml	Cool, 4°C

Aqueous (cont)

Parameter	Holding Time	Container	Volume	Preservative
Solids, Total Dissolved	7 days	P, G	100 ml	Cool, 4°C
Solids, Total Suspended	7 days	P, G	100 ml	Cool, 4°C
Solids, Volatile Suspended	7 days	P, G	100 ml	Cool, 4°C
Sulfate	28 days	P, G	100 ml	Cool, 4°C
Total Organic Carbon	28 days	P, G	100 ml	Cool, 4°C, H_2SO_4 to pH<2
Halogenated Volatiles	14 days	40 ml vials	2x40 ml	Cool, 4°C3
Purgeable Aromatics	14 days[4]	40 ml vials	2x40 ml	Cool, 4°C, HCl to pH<2
Phenols by GC/MS	7 days/40 days[5]	G	1 L	Cool, 4°C
Pesticides/PCBs	7 days/40 days[5]	G	1 L	Cool, 4°C
Polynuclear Aromatics	7 days/40 days[5]	G	1 L	Cool, 4°C
Acid/Base-Neutral Extractables	7 days/40 days[5]	G	1 L	Cool, 4°C

Solid

Parameter	Holding Time	Container	Volume	Preservative
Metals (except Hg)	6 months	P, G	100 g	Cool, 4°C
Mercury	28 days	P, G	100 g	Cool, 4°C
Halogenated Volatile Organics	14 days	G	10 g/10 ml methanol, 10 g/10 Ml DI water	Methanol and deionized water preserved in field[6]
Halogenated Volatile Organics	14 days	Encore Samplers	Three 5 gram samples	Must be frozen within 48 hours
Purgeable Aromatics	14 days	G	10 g/10 ml methanol, 10 g/10 Ml DI water	Methanol and deionized water preserved in field[6]
Phenols	14 days/40 days[5]	G	100 g	Cool, 4°C
Pesticides/PCBs	14 days/40 days[5]	G	100 g	Cool, 4°C
Polynuclear Aromatics	14 days/40 days[5]	G	100 g	Cool, 4°C
Acid/Base-Neutral Extractables	14 days/40 days[5]	G	100 g	Cool, 4°C

NOTES:
P = Plastic
G = Glass

Holding times in red indicate 48 hours or less holding times.

1. If residual chlorine is present, add 0.6 gm. ascorbic acid.

2. Maximum holding time is 24 hours when sulfide is present. Test with lead acetate paper prior to pH adjustment. Remove sulfide with addition of lead nitrate until a negative spot test is obtained. Filter and add NaOH to pH>12.

3. If samples contain residual chlorine, add 0.008% sodium thiosulfate at the time of sampling.

4. With pH adjustment; without, holding time is 7 days.

5. Seven days prior to extraction. Samples must be analyzed within 40 days after extraction.

6. Encore samplers may be used, but must be received in lab and extracted within 48 hours.

5. References

DER-10, Technical Guidance for Site Investigation and Remediation. New York State Department of Environmental Conservation. May 3, 2010.

Analytical Service Protocol, New York State Department of Environmental Conservation. July 2005.

New Jersey Department of Environmental Protection, Field Sampling Procedures Manual, August 2005.

Connecticut Department of Environmental Protection, Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory.

Determination of Volatile Organic Compounds, Version 2.0 February 28, 2006.

STANDARD OPERATING PROCEDURE

SC-002 Sample Handling

1. Objective

Sample handling involves the collection and shipping of environmental samples to a laboratory for chemical analysis. The overall objective of sample handling is to ensure that samples are properly:

- labeled and documented;
- preserved;
- packaged; and
- transported to laboratories.

2. Execution

- Prior to mobilizing to the field, select a shipper or arrange for a courier for sample delivery to the laboratory. If using a shipper (i.e., FedEx, or UPS) determine the time constraints for pickup requests, the location and hours of the nearest shipping office, and any size/weight restrictions.
- Label all laboratory glassware with waterproof ink prior to collecting the respective samples. The label should have an adhesive and be placed on the jar or bottle, not on the cap.
- Record the following information on the label and in the field notebook (see *Field Notebook* SOP FD-001): project number, sample identification (i.e., MW201 or SS-2), date, and time (military time) of collection, sampler's initials, and preservative, if present.
- If sample jars are not pre-preserved, add preservative as appropriate.
- At each sampling location, samples must be collected in order of volatility, most volatile first. Samples collected for volatile analysis must be placed in sample containers immediately upon retrieval of the sample.
- Aqueous samples for volatile analysis must be collected without air bubbles. Soil samples for volatile analysis should be compacted to eliminate as much headspace as possible. Other laboratory glassware should also be filled when possible. Care must be taken to avoid getting soils on the threads of sample jars, which can cause a faulty seal.
- If compositing of samples is performed in the field, specify basis for composite (i.e., volume, weight, spoon recovery, etc.) and record procedure for compositing sample in the field book.
- Once samples have been collected, place samples in a cooler with ice or a blue pack and start the chain of custody (COC) form (SOP FD-003, *Sample Handling and Chain of Custody*).

- For shipping, individually wrap each sample bottle with bubble packing or suitable packing material and place the wrapped bottles in the cooler with sufficient packing material between samples to avoid breakage.
- Place a layer of packing material above and below the sample bottles. Place blue ice packs or ice bags on top of the packing material. Fill the remaining space in the cooler with packing material to eliminate the possibility of vertical movement of samples.
- Place the completed and signed COC form in a plastic bag and place on top of the packing material in the cooler.
- Fill out the appropriate shipping or courier forms and attach to the top of the cooler. If necessary, place the proper shipping labels on the cooler. Have the courier sign the COC form (or write pickup by FedEx, UPS, etc., with date and time). Place a custody seal on the cooler.
- All samples should be submitted as soon as possible. It is preferable for samples to be mailed prior to returning to the office.
- A copy of the waybills must be kept by the field supervisor to track shipments if necessary.

3. Notes

- At all times, follow safety procedures as defined in the site-specific Work Plan and Health and Safety Plan.
- Field personnel must be aware of analyses which have short holding times and schedule sampling events and shipping accordingly. Shipment of samples for analyses with short holding times must be planned in advance. Refer to the project work plan, quality assurance project plan, or state/federal regulations for holding time and preservative information.
- In general, glassware for aqueous samples contains preservatives, (i.e., HNO3, HCl, etc). When collecting the sample, take care not to overfill the container, thus flushing the preservative out of the bottle.
- Never composite samples for volatile organic compounds (VOCs) in the field. Collect individual aliquots and direct the laboratory to perform compositing.
- Collection of aqueous samples should not be performed over the opening of a monitoring well. Preservatives from overfilling or a marker pen or other objects could fall into the well.
- If the recharge volume for a monitoring well is low, completely fill all volatile vials and then collect the minimum sample volume required for each remaining analysis.
- During subsurface soil sampling, if the recovery from the split-spoon sample is inadequate, if appropriate, resample the bottom of the borehole to obtain proper sample volume.

- Laboratories will homogenize and test the contents of the sample container, unless directed otherwise. Samples should not contain rocks, twigs, leaves, etc., unless these materials are of interest.

4. References

DER-10, Technical Guidance for Site Investigation and Remediation. New York State Department of Environmental Conservation. May 3, 2010.

Analytical Service Protocol, New York State Department of Environmental Conservation. July 2005.

New Jersey Department of Environmental Protection, Field Sampling Procedures Manual, August 2005.

Connecticut Department of Environmental Protection, Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory.

Determination of Volatile Organic Compounds, Version 2.0 February 28, 2006.

5. Attachments

Attachment A – General Guidelines for selecting equipment on the basis of construction material and target analyte(s)

Attachment A

Table 2. General Guidelines for selecting equipment on the basis of construction material and target analyte(s)

[✔, generally appropriate for use shown; Si, silica; Cr, chromium; Ni, nickel; Fe, iron; Mn, manganese; Mo, molybdenum; CFC, chlorofluorocarbon; B, boron]

Construction material for sampling equipment		Target analyte(s)	
Material	**Description**	**Inorganic**	**Organic**
Plastics[1]			
Fluorocarbon ploymers[2] (other varies available for differing applications)	Chemically inert for most analytes	✔ (potential source of fluoride)	✔ (Sorption of some organics)
Polypropylene	Relatively inert for inorganic analytes	✔ (not appropriate for Hg)	**Do not use**
Polypropylene (linear)	Relatively inert for inorganic analytes	✔ (not appropriate for Hg)	**Do not use**
Polyvinyl chloride (PVC)	Relatively inert for inorganic analytes	✔ (not appropriate for Hg)	**Do not use**
Silicone	Very porous. Relatively inert for most inorganic analytes	✔ (potential source of Si)	**Do not use**
Metals			
Stainless steel 316 (SS 316)	SS-316-metal having the greatest corrosion resistance. Comes in various grades. Used for submersible pump casing.	✔ (Potential source of Cr, Ni, Fe, and possible Mn and Mo) **Do not use** for surface water unless encasted in plastic.	✔ Do not use if corroded[3]
Stainless steel 304	Similar to SS-316, but less corrosion resistant	**Do not use**	✔ Do not use if corroded[3]
Other metals: brass, iron, copper, aluminum, galvanized and carbon steels	Refrigeration-grade copper or aluminum tubing are used routinely for collection of CFC samples	**Do not use**	✔ Routinely used for CFCs Do not use if corroded[3]
Glass			
Glass, borosilicate (laboratory grade)	Relatively inert. Potential sorption of analytes	✔ **Do not use** for trace element analyses. Potential source of B and Si	✔

[1]Plastic used in connection with inorganic trace-element sampling should be uncolored or white. Tubing used for trace metal sampling should be cleaned by soaking in 5-10 percent HCl solution for 8-24 hours, rinsing with reagent water (metals free) and allowed to air dry in mercury-free environment. After drying, the tubing is doubled-bagged in clear polyethylene bags, serialized with a unique number, and stored until used.

[2] Fluorocarbon polymers include materials such as Teflon™, Kynar™, and Tefzel™ that are relatively inert for sampling inorganic or organic analytes. Only fluoropolymer should be used for samples that will analyzed for mercury because mercury vapors can diffuse in or out of other materials, resulting in either contaminated or biased results.

[3] Corroded/weathered surfaces are active sorption sites for organic compounds.

STANDARD OPERATING PROCEDURE

SC-003 Investigation Derived Waste

1. Objective

The objective is to provide guidelines for the proper management of Investigation Derived Waste (IDW) resulting from site investigation activities. This Standard Operating Procedure (SOP) addresses IDW generated during field tasks typically performed for environmental site investigations. The intent of this SOP is to provide a set of guidelines for proper assessment and handling of these IDWs.

2. Execution

- Determine the suspected contamination type and impacted media anticipated based on previous investigations, current analytical data, and/or site history.
- Consider the following issues when selecting IDW management option(s):
    i. anticipated volume of IDW to be generated during on-site activities
    ii. potential contaminants and their concentrations
    iii. location of the nearest populations and the likelihood and/or degree of site access
    iv. potential exposures to workers
    v. potential for environmental impacts
    vi. community concerns
    vii. potential storage areas
    viii. regulatory constraints
    ix. potential on-site treatment options
- Select IDW Management Option(s) prior to the commencement of field activities that will generate waste materials.
- In addition to the issues considered above for the selection of IDW management strategies/disposal options, more specific considerations/guidelines include:

2.1. Test Pit Excavation

- Segregate contaminated soil from uncontaminated soil using visual and/or field screening methods.
- Use appropriate barrier (plastic sheeting) for temporary stockpiling of contaminated soil adjacent to test pit.
- Backfill test pits with uncontaminated soil.
- For situations where returning contaminated soil to the test pit is deemed protective by the project manager, backfill soil in the same order as the soil was excavated from the test pit.

- For contaminated soil pile, collect representative sample(s) for test pit(s) for waste disposal characterization
- Ensure that the pile is appropriately covered with polysheeting and secured until disposed offsite.

2.2. Boring/Monitoring Well Installation

- For auger borings, segregate contaminated soil (determined by visual and/or field screening methods) from uncontaminated soil during drilling. Segregate residual contaminated soil from split-spoon sampling.
- Auger cuttings or sediment generated by drive and wash may be spread around the ground surface at the boring location if deemed appropriate by the project manager. IDW may be placed in an appropriate area or container pending characterization and appropriate disposal. (A useful rule of thumb is to assume generation of one 55-gallon drum of cuttings for each 20 feet drilled with 7-¼-inch-inner diameter [ID] augers).
- Segregate contaminated drilling fluid from uncontaminated fluid for rotary wash borings.
- Drilling fluid management options include pouring the drilling fluid on the ground in the Area of Concern (AOC) or containerizing the fluid in drums or tanks.

2.3. Water Development/Sampling

- Contaminated groundwater removed from wells by pumping or bailing for the purpose of well development and sampling should be containerized at the project manager's discretion.

2.4. Decontamination Fluids

- Decontamination fluids should be containerized in drums or tanks.

2.5. Disposable Personal Protective Equipment (PPE)

- Disposable PPE must be managed like any other IDW. It should only be removed from the site with the project manager's approval, and may be disposed of as ordinary rubbish only if it has not come into contact with hazardous materials.

3. Notes

- The preferred IDW management option is to return the IDW to its source. However, this is not always an option.
- The IDW selected must be in accordance with state/federal regulations.

- The Client contracts directly with the transportation and disposal contractor for the disposal of IDW, should disposal be necessary.

4. References

Guide to Management of Investigation - Derived Wastes (April 1992), United States Environmental Protection Agency, Publication 9345.3-03FS.

Standard References for Monitoring Wells, Massachusetts Department of Environmental Protection, Publication No. WSC-310-91.

Connecticut Department of Environmental Protection Connecticut's RCRA "Contained-In" Policy, Updated June 2005

Attachment A

LABELING SPLIT SPOON SAMPLE JARS

MULTIPLE JARS: OPTION ONE







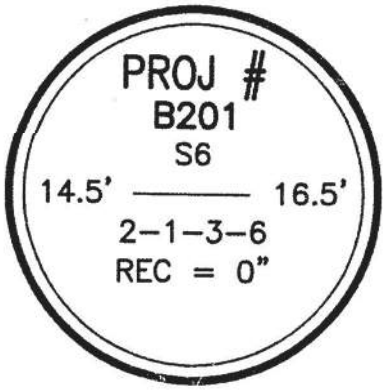
MULTIPLE JARS: OPTION TWO





...5 of 5 (BOT)

EMPTY JAR REQUIRED IF NO RECOVERY



GEI Consultants, Inc.

SSJARS 8/4/03 ptc/djm

STANDARD OPERATING PROCEDURE

SC-004 Head Space VOC Screening

1. Objective

To obtain a site-specific indication of the volatile organic compounds (VOC) concentrations present in soil. This information can be used: 1) to segregate soil based on degree of contamination, 2) to identify samples for quantitative analysis of VOCs, or 3) as a qualitative method to evaluate the presence or absence of VOCs in soil.

2. Execution

- A photoionization detector (PID) or flame ionization detector (FID) instrument is used to measure VOCs in jar head space (JHS) screening. Select the appropriate instrument, lamp, and calibration gas for the site-specific contaminants. Calibrate the instrument in accordance with the manufacturer's instructions before JHS screening begins. Record the type of calibration gas, detector, and lamp in the field notebook.
- Note the highest VOC concentration that the instrument measures in air in the work area before performing JHS screening. Record this as the initial background concentration.
- Half-fill a clean, glass jar with the soil. Use a clean trowel or soil spatula. Quickly cover the open top with one or two sheets of clean, aluminum foil and screw on the cap to tightly seal the jar. Label the sample location and depth from which the sample was collected on the jar.
- Allow headspace development for at least 10 minutes at an ambient temperature of 50°F or greater. Vigorously shake the jar for 15 seconds at the beginning and end of the headspace development period. When ambient temperatures are below 50°F, place the jar in a heated van or building during the headspace development period.
- After headspace development, remove the screw cap to expose the foil seal. Quickly puncture the foil seal with the instrument's sampling probe and insert it to a point at about one-half of the headspace depth.
- Record the highest VOC concentration that the instrument displays as the JHS concentration. The highest concentration should occur between 2 and 5 seconds after probe insertion.

3. Notes

- The instruments may work poorly in the rain and in freezing temperatures. PIDs may not function in high-humidity conditions. Under such conditions, operate the instrument in a heated vehicle or building.

- Prevent water and soil particles from entering the tip of the instrument probe. Use a filter on the instrument's probe.
- Measure background VOC conditions and perform JHS screening away from non-site-related VOC sources, such as vehicle and heavy equipment exhaust.
- The VOC concentration on the instrument's display may vary when the air contains high VOC concentrations or high moisture.
- JHS screening is a guide that helps the screener to segregate soils into broadly defined categories. JHS screening results may differ by orders of magnitude from laboratory testing results.

4. References

Interim Remediation Waste Management Policy for Petroleum Contaminated Soils. (April 1994), Massachusetts Department of Environmental Protection, Policy #WSC-94-400.

STANDARD OPERATING PROCEDURE

SC-005 SiteLAB™ UVF-3100 Ultraviolet Fluorescence (UVF) detection method

1. Objective

To establish standard procedures for the field analysis of petroleum hydrocarbons in soil and water using the SiteLAB™ UVF-3100 Ultraviolet Fluorescence (UVF) detection method.

Ultraviolet Fluorescence is a very selective detection method useful for testing many types of environmental contaminants. The principle of operation relies on the electronic configuration of the molecular structure for each contaminant. When a hydrocarbon molecule is exposed to certain wavelengths of light, the molecule emits energy at a specific wavelength. The light energy emitted by an environmental sample exposed to a UV source is directly proportional to the concentration of hydrocarbons present. The fluorescence response of each sample is then quantified using a 5 point linear calibration curve. A specific range of target compounds can be quantified by first selecting the appropriate wavelengths of light to be detected by the UVF-3100 and then using certified standards sensitive to the wavelengths of interest, to establish the linear range of the calibration curve. The UVF-3100 can be calibrated to detect the following types of hydrocarbon ranges:

- Volatile Petroleum Hydrocarbons (C9-C10 molecular weights) including benzene, toluene ethylbenzene and xylene (BTEX).
- Gasoline Range Organics (C5-C10) including BTEX.
- Extractable Petroleum Hydrocarbons (C11-C22).
- Extractable Diesel Range Organics (C10-C40) (weathered Diesel).
- Polycyclic Aromatic Hydrocarbons (PAH Mix).
- #2 Fuel Oil.
- #6 Fuel Oil.
- Motor Oil Range Organics.
- Polychlorinated Biphenyls (PCBs).

After calibrating the instrument and performing the sample extraction step, the UVF-3100's actual analysis time is less than 5 seconds.

2. Execution

- On receipt of the instrument, inspect all shipping cartons to ensure that all components have been received and verify that the unit is operational.
- On site, assemble the unit according to the manufacturer's instructions. Install the UVF-3100 software onto the field notebook computer.

- The UVF-3100 is equipped with an internal battery. However, the AC adapter may be needed for extended operation. Be prepared to switch to AC power if necessary.
- Operate the UVF-3100 for 20 minutes prior to use to ensure that the instrument is operating at full performance.
- Select the applicable standards based on the target hydrocarbon range (i.e., BTEX, PAHs, etc.).
- Calibrate the UVF-3100 in accordance with the instructions provided with the appropriate calibration kit. PROPER CALIBRATION OF THE INSTRUMENT IS CRITICAL.
- For optimal use of the UVF-3100, approximately 20 samples (maximum of 20 samples) should be screened during each run.
- Extract samples using the SiteLAB™ UVF Analytical Test Kit (Product Number EXTR010-20).
- Sample extracts can be stored for up to three months if kept refrigerated.
- Field personnel should be familiar with both the sample extraction and the calibration procedure before attempting to record data.
- Operate instrument as per manufacturer's instructions.
    1. Select the appropriate optical filter for the specific test to be run.
    2. Select the proper wavelength for the specific test to be run.
    3. Perform the 5-point calibration using the appropriate standards.
    4. Perform the sample extraction procedure.
    5. Make any necessary dilutions.
    6. Analyze the samples and record the results on the record sheet included with the extraction kit. Include test run number, Sample ID, Fluorescence, Sample Concentration, and Dilution Factor on the sheet.
    7. Calculate result by multiplying the sample result by the dilution factor.
    8. Repeat for each sample. Make addition dilutions if necessary.
- **Sample dilution** – Samples exhibiting a yellowish color should be diluted until a minimal yellow tint is observed. Analyze both the diluted sample and the undiluted sample for comparison. Follow dilution procedure outlined in the manual. Addition methanol may be necessary for further dilution.
- **Field duplicate** – a duplicate sample should be collected from a sample location suspected of being contaminated with the target hydrocarbon and extracted in a manner identical to the original sample.

Field duplicates should be taken at a frequency of one per twenty samples or one per weekly sampling whichever is the greater.

3. References

Interim Remediation Waste Management Policy for Petroleum Contaminated Soils. (April 1994), Massachusetts Department of Environmental Protection, Policy #WSC-94-400.

Innovative Technology Verification Report, Field Measurement Technologies for Total Petroleum Hydrocarbons in Soil United States Office of Research and EPA/600/R-01/080.

Environmental Protection Development September 2001, Agency Washington, DC 20460
siteLAB® Corporation, siteLAB® Analytical Test Kit UVF-3100A.

Section 6

SOLID MATRIX SAMPLING (SM)

STANDARD OPERATING PROCEDURE

SM-001 Soil Sampling Techniques Including Split-Spoon

1. Objective

This Standard Operating Procedure (SOP) is used primarily to collect surface, shallow subsurface, and stockpile soil samples. Surface soils are generally classified as soils between the ground surface and 6 to 12 inches below ground surface (bgs). The shallow subsurface interval may be considered to extend from approximately 12 inches bgs to a site-specific depth at which sample collection using manual methods becomes impractical.

2. Execution

2.1. At-Depth Sampling

When sampling at depth, utilize the procedures outlined in the following SOPs for the drilling method used:

Hollow Stem Auger (split spoon): SOP DM-002
Sonic Drilling: SOP DM-003
Geoprobe or Direct Push (macrocore): SOP DM-005

2.2. Surface Soil Sampling

Collection of samples from near-surface soil can be accomplished with tools such as spades, shovels, trowels, and scoops. Surface material is removed to the required depth and a stainless steel or plastic scoop is then used to collect the sample. This method can be used in most soil types but is limited to sampling at or near the ground surface. Accurate, representative samples can be collected with this procedure depending on the care and precision demonstrated by the sample team member. A flat, pointed mason trowel to cut a block of the desired soil is helpful when undisturbed profiles are required.

- Carefully remove the top layer of soil or debris to the desired sample depth with a pre-cleaned spade.
- Using a pre-cleaned, stainless steel scoop, plastic spoon, or trowel, remove and discard a thin layer of soil from the area which came in contact with the spade.
- If volatile organic analysis is to be performed, transfer the sample directly into an appropriate labeled sample container with a stainless steel lab spoon, or equivalent and secure the cap tightly.
- Place the remainder of the sample into a stainless steel, plastic, or other appropriate homogenization container, and mix thoroughly to obtain a homogenous sample representative of the entire sampling interval.

- Either place the sample into appropriate labeled containers and secure the caps tightly; or, if composite samples are to be collected, place a sample from another sampling interval or location into the homogenization container and mix thoroughly.
- When compositing is complete, place the sample into appropriate labeled containers and secure the caps tightly.
- Label, preserve, and store the sample in accordance with SOP SC-002 *Sample Handling*.

2.3. Stockpile Sampling

- Collection of samples from stockpiles can be accomplished with tools such as spades, shovels, trowels, and scoops. Surface material from the stockpile is removed and a stainless steel or plastic scoop is then used to collect the sample.
- Using a pre-cleaned, stainless steel scoop, plastic spoon, or trowel, remove and discard a thin layer of soil from the area which came in contact with the spade.
- If volatile organic analysis is to be performed, transfer the sample directly into an appropriate labeled sample container with a stainless steel lab spoon, or equivalent and secure the cap tightly.
- Place the remainder of the sample into a stainless steel, plastic, or other appropriate homogenization container, and mix thoroughly to obtain a homogenous sample representative of the entire sampling stockpile.
- When collecting composite samples, place a sample from another sampling location into the homogenization container and mix thoroughly.
- When compositing is complete, place the sample into appropriate labeled containers and secure the caps tightly.
- Label, preserve, and store the sample in accordance with SOP SC-002 *Sample Handling*.

3. References

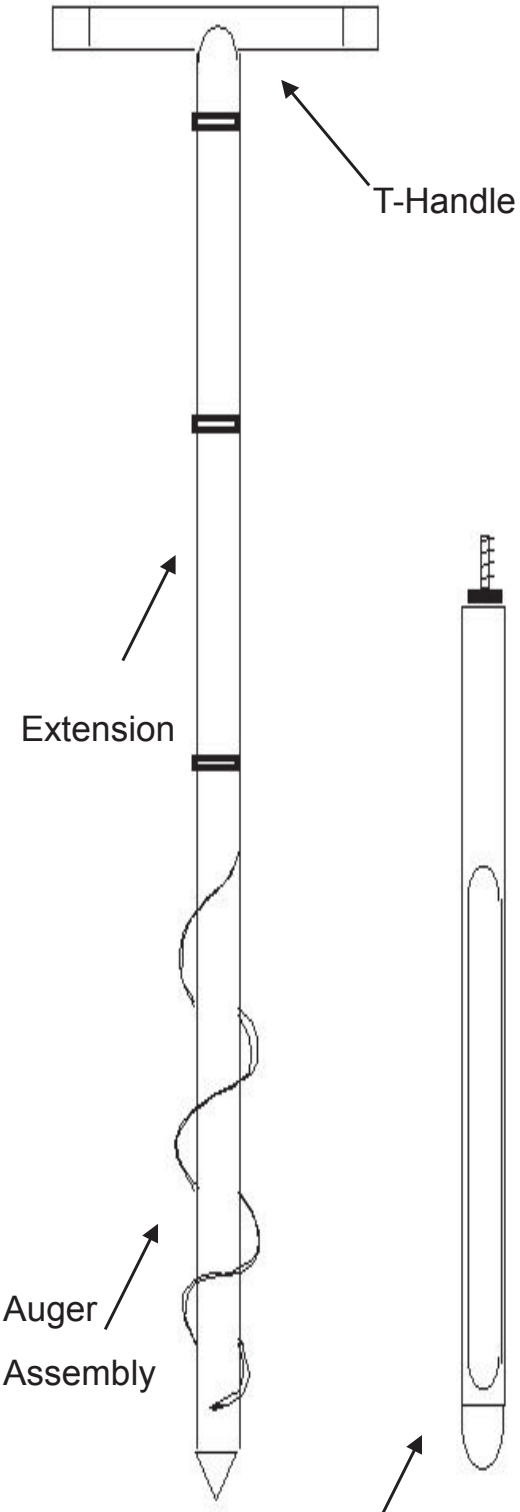
ASTM D1585-98, "Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils". 1998.

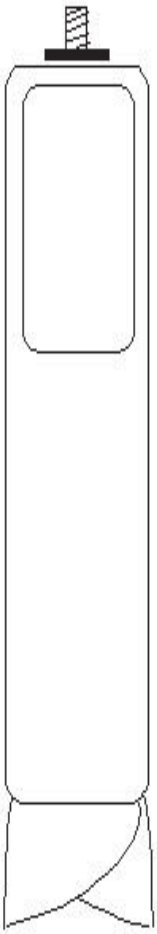
United States Environmental Protection Agency, SOP 2012 "Soil Sampling", Revision 0.0, February 18, 2000.

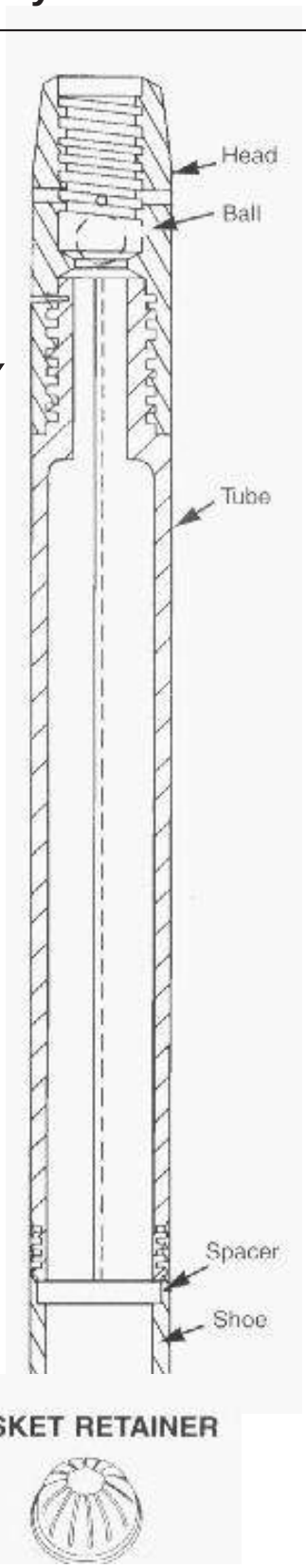
Attachment A

SM-001

Attachment A – Sampler Design Assembly







GEI Consultants

STANDARD OPERATING PROCEDURE

SM-002 VOC Soil Collection and Preservation Method (if necessary)

1. Objective

To establish a standard for preserving soil samples for analysis of Volatile Organic Compounds (VOCs).

2. Execution

The soil sample collection procedure for determination of VOCs is a two-step process.

- Step 1 – Collect an undisturbed soil sample from the subsurface, or expose the targeted area from where a sub-sample for lab analysis will be collected.
- Step 2 – Collect a representative sub-sample from the undisturbed sample or directly from the exposed surface.

If samples are to be analyzed for VOCs, they should be collected in a manner that minimizes disturbance of the sample. Samples for VOC analysis are not homogenized. Preservatives may be required for some samples with certain variations of Method 5035. Consult the method or the principal analytical chemist to determine if preservatives are necessary.

When the soil sample is collected for VOC analysis, it must be placed within the laboratory container immediately. It must not be allowed to sit exposed for more than 5 minutes. In addition, the sample must not be exposed to extreme weather conditions (i.e., rain, extreme sunlight, wind, etc.).

Sub-samples are a portion of the undisturbed sample that will be sent to the lab for VOC analysis. Sub-samples must be obtained utilizing a small diameter core sampler. Some of the acceptable small diameter core samplers include: a 10 milliliter (ml) plastic disposable syringe, a Purge and Trap Soil Sampler, En Core Samplers, or an Easy Draw Syringe. The En Core Sampler is the only small diameter core sampler that can be used to collect the sample, store the sample, and transport the sample to the lab.

The procedure for the collection of sub-samples is as follows:

- Once the sampling interval has been selected, trim off the exposed surface of the matrix, with a decontaminated trowel or spatula, to expose a fresh surface. Then sample immediately.
- Push the En Core sampler into the matrix to collect a volume of material that will yield the required mass of sample (wet weight) as determined by the analytical method.

- Push the En Core sampler into the material at an angle as many times as is needed to obtain the required sample weight.
- Wipe the exterior of the sampler clean.
- Seal the En Core sampler as explained in the manufacturer's instructions.
- Collect the required number of En Core samplers based on the chosen preservation and analytical methods, as discussed in the section on soil preservation methods below.
- Collect a separate sample for head space screening and moisture content determination.
- Make sure that the threads of the En Core sampler are free of particles (by cleaning with a paper towel).
- Mark the samplers with a permanent marker and not an adhesive label (due to weight considerations).
- Once the samples have been collected, sealed, and labeled, place the samples into an iced cooler. It is recommended to place each sample container in separate zip lock bag.

If collecting VOC soil samples during drilling, please refer to SM-001: *Soil Sampling Techniques Including Split-Spoon* for detailed information.

2.1. Preservation of Soil Samples

When collecting soil samples for determination of VOCs, three types of samples may be required:

- High concentration sample (Section 2.2 below).
- Low concentration sample (Section 2.3 below).
- Synthetic Precipitation Leaching Procedure/Toxicity Characteristic Leaching Procedure (SPLP/TCLP) sample (Section 2.4 below).

2.2. Two options for the collection of a suspected "high" concentration sample

- Collect one 10 gram sample in a pre-weighted vial containing 10 ml methanol.
- Use an "En Core" sampler.

2.2.1. Option 1 – Methanol Preservation Method

Supplies include: two pre-weighed vials (per sample) with 10 ml methanol, and a sampling device to collect a 10 gram sample.

Sampling Procedure:

- Label vials using permanent marker.
- Scrape away surface to be sampled to expose fresh soil.

- Collect the sample using the sampling device and extrude the sample into the preserved vial. Wipe the threads and cap clean and seal the vial.
- Store the sample in an iced cooler.
- Collect a separate sample for percent solids and head space sampling.

2.2.2. Option 2 – En Core Sampling Method

Supplies needed: One 5 or 10 ml En Core sampler.

Sampling Procedure:

- Label the En Core sampling container.
- Locate the sampling area, scrape a fresh face, collect the sample quickly, and clean and seal the sampler.
- Place sampler in a clean zip lock bag and place on ice.
- Collect separate samples in separate containers for percent solids and head space sampling.
- Samples must be frozen, or preserved, or analyzed within 48 hours (coordinated with the lab).

Option 2 (En Core Sampler) is preferred due to possible problems with minimum detection levels when using the methanol method.

2.3. Four different options for the collection of "low" concentration samples for VOC analysis

- Collect two vials each of 5 grams of sample into a pre-weighted 40 ml vial with 5 ml of water and a magnetic stirrer.
- Collect two vials each of 5 grams of sample into a pre-weighted 40 ml vial with a magnetic stirrer.
- Collect two 5 gram En-Core type samples.
- Collect two vials each of 5 grams of sample into a pre-weighted vial containing sodium bisulfate with a magnetic stirrer.

2.3.1. Option 1 – Collection in Volatile Organic Compound (VOC) vials containing water

Supplies required: an electronic field balance, two VOC 40 ml vials pre-weighted and containing 5 ml of water, a magnetic stirrer, and a sampling device.

Sampling procedure:

- Label vials using permanent marker.
- Select the area to be sampled.
- Test sample and weigh to verify the amount of sample needed.
- Scrape a clean surface to be sampled.

- Collect the sample using the sampling device and extrude the sample into one of the two vials containing water. Wipe the threads and cap clean and seal the vial.
- Repeat the last step for the second vial.
- Weigh the vials and record the weights.
- Store the sample in an iced cooler.
- Collect a separate sample for percent solids and head space sampling.

2.3.2. Option 2 – Collection in empty VOC vials

Supplies required: electronic field balance, two VOC 40 ml vials pre-weighted, a magnetic stirrer, and a sampling device.

Sampling Procedure:

- Label vials using permanent marker.
- Select the area to be sampled.
- Test sample and weigh to verify the amount of sample needed.
- Scrape a clean surface to be sampled.
- Collect the sample using the sampling device and extrude the sample into the vial. Wipe the threads and cap clean and seal the vial.
- Repeat the last step for the second vial.
- Weigh the vials and record the weights.
- Store the sample in an iced cooler.
- Collect a separate sample for percent solids and head space sampling.
- Samples must be frozen or analyzed within 48 hours.

2.3.3. Option 3 – Collection in VOC vials preserved with Sodium Bisulfate

Supplies required: electronic field balance, two VOC vials with 5 ml of sodium bisulfate, a magnetic stir bar, and a sampling device.

Sampling Procedure:

- Label vials using permanent marker.
- Select the area to be sampled.
- Test sample and weigh to verify the amount of sample needed.
- Scrape a clean surface to be sampled.
- Collect the sample using the sampling device and extrude a 5 gram sample into the vial containing the sodium bisulfate. Wipe treads and cap and seal the vial.
- Repeat the last two steps for the second vial.
- Weigh the vial and record the weight.
- Store the sample in an iced cooler.
- Collect a separate sample for percent solids and head space sampling.

2.3.4. Option 4 – Collection of the sample with an En Core Sampler

Supplies required: two 5 gram En Core samplers.

Sampling Procedure:

- Label samplers using permanent marker.
- Select the area to be sampled.
- Scrape a clean surface to be sampled.
- Collect the sample using one En Core devise, wipe the contact areas clean and seal, and place into a re-sealable zip lock bag.
- Repeat the last two steps with the second En Core device.
- Store the sample in an iced cooler.
- Collect a separate sample for percent solids and head space sampling.
- Samples must be frozen or analyzed within 48 hours.

2.4. Collection of samples being analyzed for VOCs by the TCLP or SPLP method

Supplies required: a 25 gram En Core Sampler.

Sampling Procedure

- Label sampler using permanent marker.
- Select the area to be sampled.
- Scrape a fresh surface to be sampled.
- Collect the sample using one En Core devise, wipe the contact areas clean and seal, and place into a re-sealable zip lock bag.
- Store the sample in an iced cooler.
- Samples must be frozen or analyzed within 48 hours.

To determine percent solids, approximately 20 grams of soil sample must be collected in a separate glass or plastic sampling container. The percent solids sample is **NOT** to be taken from the VOC samples.

3. Holding Times

- Field investigators should note that the holding time for an un-preserved VOC soil/sediment sample is 48 hours. Arrangements should be made to ship the soil/sediment VOC samples to the laboratory by overnight delivery the day they are collected so the laboratory may preserve and/or analyze the sample within 48 hours of collection.

STANDARD OPERATING PROCEDURE

SM-003 Soil Classification

1. Objective

To describe and classify soil samples collected in the field in a consistent and useful manner. GEI has adopted the (ASTM) Standard Practice for Description and Identification of Soils (Visual-Manual Procedure) D2488..

2. Execution

- Describe soil samples according to the ASTM Standard Practice for Description and Identification of Soils (Visual-Manual Procedure) D2488 (see Attachment A – Visual Manual Descriptions).
- Identify and record the soil in terms of the major and minor constituents (i.e., sand gravel, silt, clay), group symbol, group name, sample structure, plasticity and dilatancy for fine-grained soils, color, local or geologic name if known (e.g., glacial till), odor, presence of iron or other staining, and presence of organic matter, shells, debris, or other unusual characteristics of the same.
- If a soil split-spoon sample contains more than one soil type (for example, the upper portion is silty sand and the lower portion is clay) describe each type separately, and obtain separate jars of each type.
- Record sampler type, blow counts, soil description, etc., on the boring log.
- One modification to the ASTM standard: Use "widely graded" and "narrowly graded" instead of "well-graded" and "poorly graded."
- Based on the percent volume, the following descriptions should be used:
    1. “and” = 35-50%
    2. “some” = 20-35%
    3. “little” = 10-20%
    4. “trace” = 1-10%

3. Notes

- Some soil characteristics, such as plasticity and dilatancy, are difficult to identify in the field during extremely cold or wet weather. The field classification should be verified in the office after the samples have returned to room temperature if samples were collected during extreme weather conditions.

- The ASTM Standard Test Method for Classification Soils for Engineering Purposes, D2487 may be used in conjunction with the Visual-Manual Method to confirm the soil classification.

4. References

Annual Book of ASTM Standards (1993), Section 4, v. 4.08 Soil and Rock; Building Stones; Geosynthetics, D2488-90, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), American Society of Testing Materials (ASTM).

5. Attachments

Attachment A – Visual Manual Descriptions with example boring log

Attachment A

COARSE-GRAINED SOILS

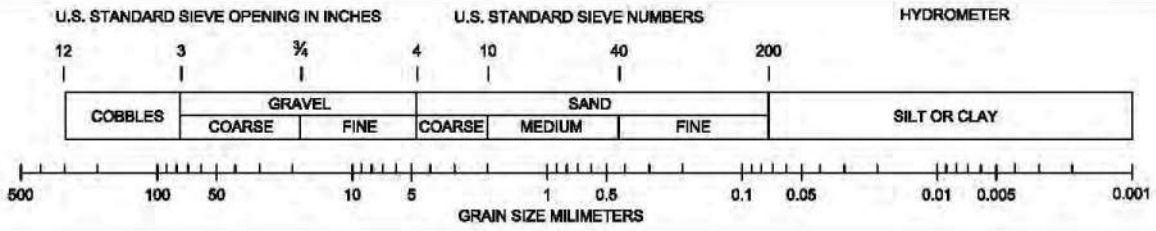
VISUAL-MANUAL DESCRIPTIONS

GEI Consultants

TYPICAL SOIL COLORS

- YELLOW
- OLIVE
- LIGHT BROWN
- BROWN
- REDDISH BROWN
- RED
- GRAY
- BLACK

				GROUP SYMBOL	GROUP NAME
GRAVEL % Gravel > % Sand	≤5% Fines	WIDELY GRADED		GW	<15% Sand → WIDELY GRADED GRAVEL; ≥15% Sand → WIDELY GRADED GRAVEL WITH SAND
		NARROWLY GRADED		GP	<15% Sand → NARROWLY GRADED GRAVEL; ≥15% Sand → NARROWLY GRADED GRAVEL WITH SAND
	~10% Fines	WIDELY GRADED	Fines = ML or MH	GW-GM	<15% Sand → WIDELY GRADED GRAVEL WITH SILT; ≥15% Sand → WIDELY GRADED GRAVEL WITH SILT AND SAND
			Fines = CL or CH	GW-GC	<15% Sand → WIDELY GRADED GRAVEL WITH CLAY; ≥15% Sand → WIDELY GRADED GRAVEL WITH CLAY AND SAND
		NARROWLY GRADED	Fines = ML or MH	GP-GM	<15% Sand → NARROWLY GRADED GRAVEL WITH SILT; ≥15% Sand → NARROWLY GRADED GRAVEL WITH SILT AND SAND
			Fines = CL or CH	GP-GC	<15% Sand → NARROWLY GRADED GRAVEL WITH CLAY; ≥15% Sand → NARROWLY GRADED GRAVEL WITH CLAY AND SAND
	≥15% Fines		Fines = ML or MH	GM	<15% Sand → SILTY GRAVEL; ≥15% Sand → SILTY GRAVEL WITH SAND
			Fines = CL or CH	GC	<15% Sand → CLAYEY GRAVEL; ≥15% Sand → CLAYEY GRAVEL WITH SAND
SOILS WITH <50% FINES					
SAND % Sand ≥ % Gravel	≤5% Fines	WIDELY GRADED		SW	<15% Gravel → WIDELY GRADED SAND; ≥15% Gravel → WIDELY GRADED SAND WITH GRAVEL
		NARROWLY GRADED		SP	<15% Gravel → NARROWLY GRADED SAND; ≥15% Gravel → NARROWLY GRADED SAND WITH GRAVEL
	~10% Fines	WIDELY GRADED	Fines = ML or MH	SW-SM	<15% Gravel → WIDELY GRADED SAND WITH SILT; ≥15% Gravel → WIDELY GRADED SAND WITH SILT AND GRAVEL
			Fines = CL or CH	SW-SC	<15% Gravel → WIDELY GRADED SAND WITH CLAY; ≥15% Gravel → WIDELY GRADED SAND WITH CLAY AND GRAVEL
		NARROWLY GRADED	Fines = ML or MH	SP-SM	<15% Gravel → NARROWLY GRADED SAND WITH SILT; ≥15% Gravel → NARROWLY GRADED SAND WITH SILT AND GRAVEL
			Fines = CL or CH	SP-SC	<15% Gravel → NARROWLY GRADED SAND WITH CLAY; ≥15% Gravel → NARROWLY GRADED SAND WITH CLAY AND GRAVEL
	≥15% Fines		Fines = ML or MH	SM	<15% Gravel → SILTY SAND; ≥15% Gravel → SILTY SAND WITH GRAVEL
			Fines = CL or CH	SC	<15% Gravel → CLAYEY SAND; ≥15% Gravel → CLAYEY SAND WITH GRAVEL

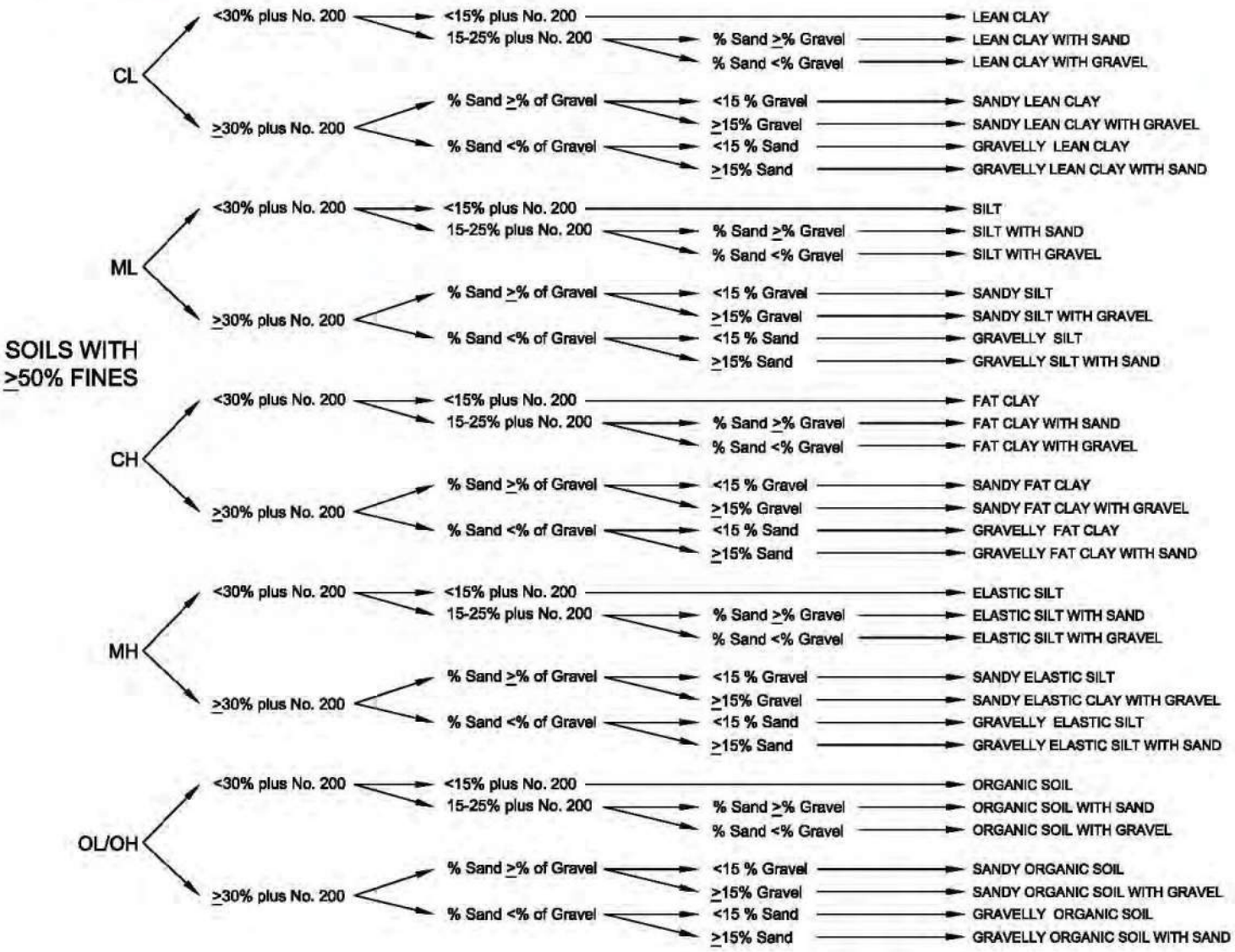




1. GROUP NAME and (SYMBOL)
2. Structure , if any. (stratified layer thicknesses, lenses, varves, gradational changes)
3. Describe sand, gravel and fines components, with percentages, in order of predominance. Include max gravel size. For test pits give percent cobbles and boulders, by volume, and include max size.
4. Color
5. Sheen, odor, roots, ash, brick, cementation, reaction with HCL, etc.
6. "Fill," local name or geologic name, if known

GEI Consultants

FINE-GRAINED SOILS
VISUAL-MANUAL DESCRIPTIONS



ID OF INORGANIC FINE SOILS FROM MANUAL TESTS

Symbol	Name	Dry Strength	Dilatancy	Toughness*
ML	Silt	None to low	Slow to rapid	Low or thread cannot be formed
CL	Lean Clay	Medium to high	None to slow	Medium
MH	Elastic Silt	Low to medium	None to slow	Low to medium
CH	Fat Clay	High to very high	None	High

1. GROUP NAME and (SYMBOL)
2. Describe fines, sand, and gravel components, in order of predominance. Include plasticity of fines. Include percentages of sand and gravel.
3. Color
4. Sheen, odor, roots, ash, brick, cementation, torvane and penetrometer results, etc.
5. "Fill," local name or geologic name, if known

PEAT

Peat refers to a sample composed primarily of vegetable matter in varying stages of decomposition. The description should begin: PEAT (PT) and need not include percentages of sand, gravel or fines.

CRITERIA FOR DESCRIBING PLASTICITY

Description	Criteria
Nonplastic ML	A 1/8-in. (3 -mm) thread cannot be rolled at any water content
Low Plasticity ML, MH	The thread can barely be rolled and the lump cannot be formed when drier than the plastic limit *
Medium Plasticity MH, CL	The thread is easy to roll and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit
High Plasticity CH	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit

* Toughness refers to the strength of the thread near plastic limit. The lump refers to a lump of soil drier than the plastic, similar to dry strength.

BORING LOCATION Maple Ave Sidewalk | DATE START/FINISH 2/14/07 - 2/15/07 | **B101**

GROUND ELEVATION (NGVD) _____ | DRILLED BY Geologic: M. Costigan

GROUNDWATER EL. _____ DATE _____ | LOGGED BY T. Kahl/M. Yako TOTAL DEPTH (FT) 25 | PG. 1 OF 1

EL. FT.	DEPTH FT.	SAMPLE TYPE and NO.	SAMPLE BLOWS PER 6 IN.	SAMPLE PEN IN.	SAMPLE REC IN.	PID JAR HS / REMARKS	GRAPHIC LOG	SOIL AND ROCK DESCRIPTIONS
	0							4" pavement
		S1	13-9 17-14	24	0	0.5 ppm	FILL	S1: Redrove 0.5 to 3.5 ft. Recovery 11": WIDELY GRADED SAND (SW) ~85% sand, ~10% gravel to 1", <5% nonplastic fines, brown. Contains brick fragments and ash. Fill.
	2.5					hard drilling 3 to 4 ft, possible boulder		
	5	S2	7-7 11-13	24	8	2.0 ppm		S2: NARROWLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) ~65% mostly fine sand, ~25% gravel to 3/4 inch ~10% non-plastic fines, brown. Fill.
	7.5	S3	9-10 2-1	24	16	0.0 ppm		S3 (0-10"): Similar to S2.
	10						ORGANICS	S3 (10"-16"): ORGANIC SILT (OL) ~100% slightly plastic fines, dark gray, organic odor, contains white shell fragments.
	12.5	S4	WOH 1-2 1	24	15	0.0 ppm		S4: Similar to S3, bot 6".
	15					hard drilling at 15.5 ft		
	17.5	S5	20-35 50/3"	15	8	Top of rock ~19 ft. Roller bit to 20 ft.	TILL	S5: SILTY SAND WITH GRAVEL (SM) ~60% mostly fine sand, ~25% slightly plastic fines, ~15% gravel to 1/2 inch, olive. Glacial Till.
	20							
	22.5	C1	RQD 70%	60	54	lost ~10 gallons drill fluid from 23 to 25 ft	ROCK	C1: SCHIST, hard, slight weathering at joint surfaces, joints at ~30 degrees from horizontal and generally parallel to foliation, gray. Marlborough Formation.
	25							Bottom of Boring 25 ft
	27.5							Truck-mounted drill rig. 4-inch casing to 19 ft. Safety-hammer with rope and cathead for SPT. Backfilled with drill cuttings.
	30							

BLOWS PER 6 IN.–140 LB. HAMMER FALLING 30 IN. TO DRIVE A 2.0 IN. OD SPLIT SPOON SAMPLER
PEN–PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC–RECOVERY LENGTH OF SAMPLE
RQD–LENGTH OF SOUND CORES > 4 IN./ LENGTH CORED, %
S–SPLIT SPOON SAMPLE
U–UNDISTURBED SAMPLES, UF–FIXED PISTON UO–OSTERBERG
▽ GROUNDWATER

NOTES:
1: Groundwater at 10 ft depth at start of day 2/15/07.

PROJECT 07999-0
DATE

GEI Consultants

EXAMPLE SOIL DESCRIPTIONS

SANDY SILT (ML) ~60% slightly plastic fines, ~40% mostly fine sand, 1" thick layer of fine to medium sand with <20% fines, gray.

LEAN CLAY (CL) ~90% moderately plastic fines, ~10% fine sand, olive. Boston Blue Clay. Sv = 0.5, 0.5, 0.8 tsf, Qp = 1.0, 1.5, 1.6 tsf

Stratified CLAYEY SAND (SC) and WIDELY GRADED SAND (SW) SC layers 1 to 2 inches thick consist of fine sand with ~30% moderately plastic fines, gray. SW layers 1 to 4 inches thick consist of fine to coarse sand, ~10% gravel to 1/2 inch, <5% fines, brown. Hydraulic Fill.

EXAMPLE ROCK DESCRIPTIONS

(0-9"): GRANITE, hard, one piece, joint surface slightly weathered, pink.
(6-60"): PHYLLITE, joints ~ 45° generally parallel to foliation, 9" to 44" moderate to severe jointing and joint weathering. 44" to 60" single piece, green-gray.

ARGILLITE, medium hard, moderately weathered joints, gray. Cambridge Argillite.

GEOPROBE AND ROTOSONIC

When SPTs are not performed, note sample density (sands) or stiffness (clays) in description.

CRITERIA FOR DESCRIBING DILATANCY OF FINE-GRAINED SOILS

Description	Criteria
None	No visible change in the specimen
Slow	Water appears slowly on the surface of the specimen during shaking and does not disappear or disappears slowly upon squeezing.
Rapid	Water appears quickly on the surface of the specimen during shaking and disappears quickly upon squeezing.

SPT: Standard Penetration Test

30-inch drop with 140-lb hammer
1 3/4 to 2 1/4 turns around cathead
2-inch O.D. split spoon sampler

ENV'L TERMINOLOGY FOR SOIL DESCRIPTIONS

- **Ash** - Typically silt-size to medium sand-size.
- Do not use the term "cinders." This is not a technical term. Instead, use "ash," "burnt wood," "burnt material," or a similar term.
- **Coal-like material** - If it looks like coal but you aren't sure.
- **Clinker** - Vitrified (glass-like) or heat-fused material. Often burned impurities in coal. Often looks like pumice, but heavier.
- **Slag** - Similar to clinker, but normally refers to residue from metal ore processing.

- **Sheen** - Iridescent petroleum-like sheen. Not to be used for a "bacterial sheen," which can be distinguished by its tendency to break up on the water surface at angles. Petroleum sheen will be continuous and will not break up.
- **Stained** - Use with a color ("brown-stained") to indicate that the soil is stained a color other than its natural (unimpacted) color.
- **Coated** - Soil grains are coated with NAPL (oil, tar, etc.). There is not enough NAPL to saturate the pore spaces. ("Split spoon sampler coated with brown oil." "Soil grains coated with gray substance with slight gasoline-like odor.")
- **Saturated** - The entire sample pore space is saturated with NAPL. If you use this term, be sure it is not water saturating the pore spaces. Depending on viscosity, the NAPL may drain from a soil sample. ("Sample saturated with green, sticky substance.")
- **Blebs** - Discrete sphericals of NAPL in a soil matrix that was not visibly coated or saturated. ("Occasional blebs of reddish-brown tar.")
- **Oil** - Exhibits a petroleum odor, different from MGP odors.
- **Tar** - Exhibits an MGP odor (e.g. naphthalene-like odor).

- **Odors** - Use terms such as "naphthalene-like odor" or "petroleum-like odor." Use modifiers (strong, moderate, slight) to indicate odor intensity.

Section 7

GROUNDWATER (GW)

STANDARD OPERATING PROCEDURE

GW-001 Water Level Measurement

1. Objective

The purpose of this Standard Operating Procedure (SOP) is to set guidelines for the determination of the depth to water in an open borehole, cased borehole, monitoring well, or piezometer.

2. Execution

- Prior to mobilizing onto a site, notification requirements must be followed.
- Prior to collecting water level measurements, all wells should be opened to the atmosphere and allowed to equilibrate prior to collecting groundwater elevation measurements, if practical.
- All groundwater level measurements need to be performed in the shortest possible timeframe (no more than four hours, if practical).
- Groundwater levels are measured using a decontaminated electronic groundwater level indicator, which has a cable divided into incremental measurements of 0.01 feet and two conductors forming a probe. When groundwater is encountered, the circuit is completed and a light, meter, or audible buzzer is activated. The depth to groundwater is then measured from this point to the reference mark on the inner casing of the monitor well.
- All groundwater-level measurements should be made from the same marked reference point at the top of the inner well casing. A licensed surveyor must mark the reference point.
- If no discernable survey mark is observed on the inner casing, the groundwater-level measurement should be read from the highest point of the inner casing.
- If no survey mark is observed on the inner casing, it should be noted with the ground water-level data and the highest point of the casing must be marked for future reference.
- Measurements should be made three to four times to confirm the measurement. Each time a measurement is made, it should be determined to the nearest one-hundredth of a foot (0.01).
- Certain situations may necessitate that all water level measurements at a given site should be collected within a shorter than 24-hour period. These situations may include:
    1. The magnitude of the observed changes between wells appears too large.
    2. Changes in atmospheric pressure.
    3. Aquifers which are tidally influenced.

4. Aquifers affected by river stage, impoundments, and/or unlined ditches.
5. Aquifers stressed by intermittent pumping of production wells.
6. Aquifers being actively recharged due to precipitation events.
7. Occurrence of pumping.

- All well measurements should, if practical, be performed the same day, prior to the evacuation of any wells which may influence groundwater elevations in the area of the investigation.
- The following items should be recorded on field data sheets while collecting groundwater level measurements:
    1. Project name.
    2. Well identification.
    3. Date and time of measurements.
    4. If applicable, the time and cycle of the tide.
    5. Thickness of non-aqueous phase liquids (NAPL) product, if any. (See SOP GW-002, *NAPL Measurement*.)
    6. Note any miscellaneous information, such as recent damage, well box in need of repair, car parked over well, etc.

3. Notes

- Do not measure the total-well-depth with an electronic groundwater level indicator.
- Groundwater levels should be obtained from all wells in a network prior to sampling the first well.
- Local water body elevations may need to be measured. Check site-specific work plan for this requirement.
- Weak batteries in electronic groundwater-level indicators frequently produce weak or gradual auditory and/or visual responses, making it difficult to accurately determine when the probe of the unit has come in contact with ground water. As such, it is recommended that electronic groundwater-level indicators be tested before they are brought out into the field.
- Note that electronic groundwater-level indicators will not respond to distilled water, so distilled water should not be used to test these units.
- Wells that are not plumb may result in probe contact with the side of the well casing providing a false measurement. Once the probe has come in contact with groundwater in the well, water may be trapped by capillary action between the probe and the well casing. If this happens, the unit may continue to signal even after the probe has been raised above the ground water surface.

The deeper the well, the more likely this problem may occur. To correct this, the cable should be raised several feet above the water and shaken to remove water from the probe. A new groundwater-level measurement should then be collected. If the signals from the unit are not abrupt or reproducible, the probe may need to be reeled up to the surface and dried off before re-attempting another measurement.

- Accumulation of sediment, organic material, or floating debris on the probe may also result in gradual or non-reproducible readings. Wells that are constructed with metal inner casings may lead to difficulties in collecting reproducible groundwater-level measurements because the inner sides of the well casing are conductive.
- In some cases, a rubber grommet or metal centralizer may need to be placed on the probe so that the probe is not allowed to come in contact with the inner casing. Groundwater-level-measuring equipment should be properly decontaminated between wells and piezometers to avoid cross contamination.
- Once a well has been located and properly identified, the field measurements listed below should be noted in a field logbook. Be certain that the proper well is being measured. The misidentification of a sampling point in the field will result in erroneous data that may result in incorrectly constructed contour maps.

4. References

U. S. EPA Environmental Response Team Standard Operating Procedures SOP: 2043,"Water Level Measurement" REV: 0.0, 10/03/94.

U. S. EPA Environmental Response Team Standard Operating Procedures SOP: 2044," Monitor Well Development" REV: 0.1, 10/23/01.

5. Attachments

Attachment A – Monitoring Well Sampling Record

Attachment A

Monitoring Well Sample Data Form

Project: _____ **Well ID:** _____ **Date:** _____

Total Well Depth (from top of casing): _____

Depth to Water (from top of casing): _____

Well Diameter: _____

Pump Intake Depth: _____

Sampling Crew: _____

Purge Time: *Start:* _____ *Finish:* _____

Purging Method: _____

Sample Time: *Start:* _____ *Finish:* _____

Sampling Method: Low Flow

Sample Analysis: _____

Purge Data										
Sample Time	**Flow Rate** *(lpm/gpm)*	**Volume Purged** *(liters/gals.)*	**pH** *(std. Units)*	**Conductivity** *(mS/cm)*	**Turbidity** *(NTU)*	**Dissolved Oxygen** *(mg/l)*	**Temperature** *(Cel.)*	**Salinity** *(%)*	**ORP** *(mV)*	**Comments/Observations**
										Well Headspace PID =

Final Stabilization Data										
Sample Time	**Flow Rate** *(lpm/gpm)*	**Volume Purged** *(liters/gals.)*	**pH** *(std. Units)*	**Conductivity** *(mS/cm)*	**Turbidity** *(NTU)*	**Dissolved Oxygen** *(mg/l)*	**Temperature** *(Cel.)*	**Salinity** *(%)*	**ORP** *(mV)*	**Comments/Observations**

GEI Consultants

STANDARD OPERATING PROCEDURE

GW-002 Non-Aqueous Phase Liquid (NAPL) Measurement

1. Objective

To obtain accurate and repeatable measurement of the thickness of Non-Aqueous Phase Liquids (NAPL) contained in monitoring wells. These methods can be applied to light non-aqueous phase liquids (LNAPL) and dense non-aqueous phase liquids (DNAPL).

2. Execution

Three procedures for measuring NAPL are provided below using a clear bailer, Interface Probe, and graduated tape.

2.1. Clear Bailer (LNAPL Measurement)

- Determine depth to the surface level of the LNAPL layer utilizing an interface probe.
- Record depth.
- Lower a clear bailer into the well and slowly into the product, being careful not to submerge the bailer.
- Raise the bailer and measure product thickness.
- Once the product thickness is known, the depth to ground water may be determined (see calculation below).
- This method has inaccuracies because successful use of the bailer is dependent upon the expertise of the operator and assumes the check valve does not leak upon retrieval.

2.2. Interface Probes (LNAPL Measurement)

- Decontaminate Interface Probe prior to use.
- Check battery and replace if necessary.
- Check the unit is functioning correctly. Note: De-ionized water will not provide a correct reading.
- Measure the hydrocarbon/air interface first by going from air to the LNAPL surface to prevent dripping hydrocarbons from enhancing the thickness reading.
- Record the reading.
- Measure the hydrocarbon/water reading by lowering the Interface Probe past the LNAPL layer quickly minimizing the contact time of the probe within the hydrocarbon phase.
- DNAPL can also be measured by quickly lowering the Interface Probe past the LNAPL layer and to the bottom of the well noting any audio or visual indications of DNAPL.

- The optical sensor on interface probes may become damaged if solvents are used to clean product from the probes.
- The optical sensor may become smeared when used to measure product, rendering pinpoint accuracy to an estimate at best.
- Close attention to decontamination procedures will improve accuracy, operational life, and reduce the risk of cross contamination with other wells.

2.3. Graduated Tape (DNAPL Measurement)

- Outfit a measuring tape with a narrow cylindrical weight that is heavy enough to sink through a viscous DNAPL.
- Open the well box or unlock the protective casing
- Lower the tape slowly through the water column in the well. When the tape reaches the bottom, stop releasing tape and measure the total well depth. Any extra tape released after the bottom of well was encountered will give a false reading of the DNAPL thickness. Repeat this procedure, if necessary.
- While extracting the tape, use absorbent rags and/ or GOJO Wipes to clean the tape. When the DNAPL line of demarcation is encountered on the measuring tape, record the thickness of DNAPL in the well.
- Clean the DNAPL from the tape over the well so excess DNAPL flows back into the well. This can lessen or eliminate the need to clean DNAPL from in or around the well box.
- Clean up any DNAPL in or around the well box.
- Repeat these steps as necessary to clean the tape and clean up the area around the well box.
- Decontaminate tape in accordance with SOP QA-001.
- Dispose of waste in accordance with SOP SC-003.
- Secure the well box or close and lock the protective casing.

3. Notes

- When measuring DNAPL, care must be taken when encountering the well bottom so a false measurement is not recorded.
- When a LNAPL thickness is measured in a monitoring well, it will usually exhibit an apparent thickness rather than an actual thickness. This apparent thickness is caused when LNAPL from within and above the capillary fringe migrates into the monitoring well causing the ground water-level to become depressed below the surrounding capillary fringe area. As a result, LNAPL will continue to flow into the well until equilibrium is reached causing

an apparent LNAPL thickness, which is greater than the actual thickness**.**

- LNAPL thickness can be affected by fluctuations in the water table. In some cases, an LNAPL's thickness may decrease when the water table rises, while its thickness increases as the water table drops. In other cases, fluctuating water tables may cause sudden appearances and disappearances of LNAPL layers.
- Monitoring points with LNAPLs can pose a problem when measuring the level of ground water. Floating LNAPLs can depress the ground water-level in a monitoring well or piezometer and distort the measurement. Therefore, the Corrected Depth (CD) formula shown below should be applied to ground water-level measurements in monitoring points where LNAPLs are present:

CDTW = Static DTW – (PT x G)

CDTW = Corrected Depth to Ground water
DTW = Depth to Ground Water (Static)
PT = Measured Product Thickness
G = Specific Gravity (density of free product / density of water)

4. References

U. S. EPA Environmental Response Team Standard Operating Procedures SOP: 2043,"Water Level Measurement" REV: 0.0, 10/03/94.

STANDARD OPERATING PROCEDURE

GW-003 Low Flow (Low Stress) Groundwater Sampling

1. Objective

Provide a method to collect groundwater samples that accurately and precisely represent the aquifer conditions. Low-flow purging is limited to wells that, with sustained pumping, exhibit no continuous drawdown.

2. Background for Implementation

- Stabilization of indicator field parameters is used to indicate that conditions are suitable for sampling to begin. Achievement of turbidity levels of less than 5 nephelometric turbity units (NTUs), and stable drawdowns of less than 0.3 feet are recommended.
- It is recommended that low-flow sampling be conducted when the air temperature is above 32°F (0°C). If the procedure is used below 32°F, special precautions (e.g., insulation) will need to be taken to prevent the groundwater from freezing in the equipment.
- Direct sunlight and hot ambient air temperatures may cause the groundwater in the tubing and flow-through-cell to heat up. When sampling under these conditions, the sampler will need to shade the equipment from the sunlight (e.g., umbrella, tent, pipe insulation, etc.).
- The tubing exiting the monitoring well should be kept as short as possible to avoid sunlight or ambient air from heating up the groundwater. Tubing lengths greater than 6 feet should be fitted with 0.5-inch diameter pipe insulation.

3. Execution

- Complete site-access notification requirements prior to mobilization.
- Wait at least one week following well development before sampling.
- Record all activities in the field notebook (see SOP FD-001, *Field Notebook*) and on Attachment A – Monitoring Well Sample Data Form. Use a separate form for each sampling location and event.
- Calibrate the photoionization detector (PID), pH, temperature, specific conductance (SC), turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) meters and record data on Attachment B – Portable Equipment Calibration Log.
- Check the well, the lock, and the locking cap for damage or evidence of tampering.
- Record observations.

- Remove well cap and, if appropriate, measure VOCs at the rim of the well with a PID or flame ionization detector (FID) instrument and record the reading in field notebook or well logs.
- Being careful to not disturb the water column, slowly and gently measure the depth to water with a water level probe and/or oil water interface probe. Do not measure depth to well bottom at this time (wait until sampling has been completed). Measure water level to the nearest 0.01 foot from the top of casing or the highest point (or "V" notch) on the polyvinyl chloride (PVC). If the top of casing cannot be used, note the reference location. Mark the datum point with an indelible marker and note reference location in field book.
- Check newly constructed wells for the presence of light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL) before the initial sampling event.
- If LNAPL is present, the tubing intake should be at the mid-point of the well screen. Initial purge water should not be sent through the field parameter meter flow cell but sent directly to the purge water container. After the initial column of purge water is poured, the field parameter meters may be placed inline and the collection of data may be started.
- If DNAPL is present, the tubing intake should be placed approximately 1 foot below the water table or to the approximate depth below the known drawdown depth (refer to previous sample logs).
  - Calculate the well volume (V_w [gallons]) using the measured depth to water ($Depth_{water}$ [feet]), total well depth ($Depth_{total}$ [feet]), and well diameter:

    - $V_w = n \times (Depth_{total} - Depth_{water})$

    - 1-inch well: n = 0.04
    - 2-inch well: n = 0.16
    - 4-inch well: n = 0.65
    - 6-inch well: n = 1.47

  - Purge 1.5 well volumes at low flow rates checking for DNAPL migration. If no DNAPL migration is observed during the last 15 minutes of purging, begin collecting field data. If DNAPL migration occurs during the last 15 minutes of purging, abort sampling and document on sample log.
  - For wells without LNAPL and/or DNAPL, slowly and gently insert the pump intake tubing to the middle of the saturated screened interval, open borehole, or to the pre-determined sampling depth. The pump intake must be kept at least 2 feet above the bottom of

the well to prevent disturbance or suspension of any sediment or DNAPL present in the bottom of the well. Record the depth of the pump intake.

- Place decontaminated flow-cell inline with tubing and connect calibrated Horiba U-22 Multiparameter Water Quality Meter, or equivalent. Place flow-cell in shade or insulate.
- Start the pump on the lowest setting and increase slowly until flow begins. Adjust the pumping rate so that drawdown in the well is minimal (0.3 feet or less, if achievable). Use a pumping rate between 100 to 1,000 milliliters per minute (mL/min). Measure rates with a graduated container.

- While purging, record water levels every five minutes, or as appropriate. A steady state flow rate will be maintained that results in a stabilized water level with a drawdown of 0.3 feet or less, if achievable.
- During purging, monitor and record, every five minutes, the water quality indicator parameters that include: pH, temperature, SC, turbidity, DO, and ORP.
- Purging is complete when, after three consecutive measurements, the water quality parameters have stabilized as follows:
    1. pH (+/- 0.1 standard units)
    2. temperature (3%)
    3. SC (3%)
    4. turbidity (10% for values greater than 5 NTU; if three turbidity values are less than 5 NTU, consider the values as stabilized)
    5. DO (10% for greater than 0.5 milligram per liter [mg/L] or 3 consecutive values less than 0.5 mg/L)
    6. ORP (+/- 20 millivolt [mV] or 10%, whichever is greater)
- Containerize purge water in tanks or 55 gallon steel drums.
- Collect the samples.
- Following purge, disconnect the flow-through cell and fill all containers from the discharge end of the tubing. Collect samples at a flow rate equal to the steady state purge rate.
- Fill sample containers directly from the sampling device in order of decreasing volatility (i.e., Volatile Organic Compounds [VOC] samples will be collected first; see SOP SC-002, *Sampling Handling*).
- Label each sample collected and store samples in a cooler (SC-002, *Sampling Handling*).
- Secure the well cap and manhole cover and restore well area to pre-sampling conditions.

4. Notes

- Prior to the field activities, obtain available information on well construction for use in field investigation (i.e., screen and riser material, well diameter and depth, screened interval, optimum sampling depth, etc.).
- If using dedicated equipment, to the extent achievable install equipment into well at least 24 hours before sample collection to minimize disturbance of the water column and/or suspension of sediments or NAPL on bottom.
- To minimize the potential of cross-contamination between wells, dedicated, in-place pumps (and tubing) can be used.
- If the water quality indicator parameters do not stabilize after 2 hours, then either continue purging or, contact the Project Manager.
- All sample containers are to be filled with minimal turbulence by allowing the groundwater to flow from the tubing gently down the inside of the container.
- Be aware of any preservatives in the sample bottles and handle with care, in accordance with the Health and Safety Plan.

5. References

Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samles From Monitoring Wells (January 19, 2010), USEPA Region-1, EQASOP-GW 001.

Standard Reference for Monitoring Wells (April 19, 1991), Massachusetts DEP, DEP Publication No. WSC-310-91.

Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures (1996), R.W. Puls and M.J. Barcelona, U.S. Environmental Protection Agency, EPA/540/S-95/504.

Reproducible Well-Purging Procedures and VOC Stabilization Criteria for Ground Water Sampling (1994), M.J. Barcelona, H. A. Wehram, and M.D. Varljen, Ground Water, Vol. 32, No. 1, 12-22.

Low-Flow Purging and Sampling of Ground Water Monitoring Wells with Dedicated Systems (1995), R.W. Puls, and C.J. Paul, Groundwater Monitoring and Review, Summer 1995 116-123.

Ground Water Sampling Procedure Low Stress (Low Flow) Purging and Sampling, (1998), Ground-Water Sampling SOP, Final, U.S. Environmental Protection Agency, Region II, March 16, 1998.

RCRA Ground-Water Monitoring: Draft Technical Guidance, (1993), U.S. Environmental Protection Agency, EPA/530-R-93-001.

To Filter, or Not to Filter, That is the Question, (1997), Special Topics Subcommittee Letter Report EPA-SAF-EEC-LTR-97-011, April 29, 1997, Meeting, U.S. Environmental Protection Agency, Science Advisory Board Environmental Engineering Committee, September 5, 1997.

Should Filtered or Unfiltered Groundwater and Surface Water Samples be Collected for the Risk Assessment?, (1995), MCP Q&A: Subparts I and J, Special #4, Bureau of Waste Site Cleanup, Massachusetts Department of Environmental Protection (DEP), February, 1995.

6. Attachments

Attachment A – Monitoring Well Sample Data Form
Attachment B – Portable Equipment Calibration Log

Attachment A

Monitoring Well Sample Data Form

Project: _____ **Well ID:** _____ **Date:** _____

Total Well Depth (from top of casing): _____

Depth to Water (from top of casing): _____

Well Diameter: _____

Pump Intake Depth: _____

Sampling Crew: _____

Purge Time: *Start:* _____ *Finish:* _____

Purging Method: _____

Sample Time: *Start:* _____ *Finish:* _____

Sampling Method: Low Flow

Sample Analysis: _____

Purge Data										
Sample Time	**Flow Rate** *(lpm/gpm)*	**Volume Purged** *(liters/gals.)*	**pH** *(std. Units)*	**Conductivity** *(mS/cm)*	**Turbidity** *(NTU)*	**Dissolved Oxygen** *(mg/l)*	**Temperature** *(Cel.)*	**Salinity** *(%)*	**ORP** *(mV)*	**Comments/Observations**
										Well Headspace PID =

Final Stabilization Data										
Sample Time	**Flow Rate** *(lpm/gpm)*	**Volume Purged** *(liters/gals.)*	**pH** *(std. Units)*	**Conductivity** *(mS/cm)*	**Turbidity** *(NTU)*	**Dissolved Oxygen** *(mg/l)*	**Temperature** *(Cel.)*	**Salinity** *(%)*	**ORP** *(mV)*	**Comments/Observations**

GEI Consultants

Attachment B

Portable Equipment Calibration Log

Date: _____

Equipment Information

Equipment Type: _____

Manufacturer and Model: _____

Identification Number: _____

Calibration Information

Time	Parameter	Initial Reading	Calibration Value	Lot No.	Expiration	Final Reading

Notes:

Record information for all calibrated parameters.

If performing zero and span calibration, use a separate line for each.

Comments/Observations

STANDARD OPERATING PROCEDURE

GW-004 pH and Temperature Measurement

1. Objective

The objective of this Standard Operating Procedure (SOP) is to provide standard methods for determining the pH and temperature of liquids using a combination pH/temperature meter.

2. Execution

- Calibrate the meter according to the equipment manufacturer's instructions at the beginning of each day of use. Calibration for pH shall be performed using at least two buffer solutions from various ranges. Solutions chosen should be similar in pH to the expected level of the samples or liquids tested (pH 7 and four buffer solutions are preferred in most cases for ground or surface water measurements). Record data on Attachment A – Portable Equipment Calibration Log.
- Calibration is checked every two hours or every five monitoring locations, whichever occurs first, and at the end of the day by measuring the two calibration solutions used. The reading and times are recorded. If the readings are outside +/– 0.2 pH units, the meter must be recalibrated.
- Immediately prior to testing a sample, decontaminate testing beaker or container and probe assembly with one rinse of sample solution. Do not use methanol to rinse the probe. Methanol rinses could damage the probe.
- Gently shake the probe and beaker to remove excess solution. Visually inspect the bottom of the probe to ensure that liquid or sediment is not trapped between outer casing and probe.
- Pour the sample into the testing container and insert both temperature and pH probe. Stir sample for 30 seconds using both probes. Let the probes equilibrate in the sample solution for another 30 seconds. Measure and record the temperature. A reading has stabilized if pH units have not changed +/– 0.1 pH units during a five second period.
- Record pH to the nearest 0.1 unit and temperature to the nearest whole number.

3. Notes

- At all times, follow safety procedures as defined in the site-specific Health and Safety Plan.

- Coatings and particulates may affect the response of the probe; more thorough cleaning with distilled water and gently wiping the probe surface may be required to clean the surface of the probe.
- Temperature affects both the response of the instrument to pH and the actual pH of the sample. The Automatic Temperature Compensation (ATC) function compensates for the variation in the response of the meter only. Therefore, the pH must always be reported with temperature.
- The probe is a fragile thin glass bulb surrounded on three sides by a plastic casing. Care must be taken in handling the probe to avoid breakage.
- Buffer solutions should not be used past their expiration date.

4. References

Standard Methods for the Examination of Water and Wastewater, 18th Edition, Method 4500-H. American Public Health Association (1992).

5. Attachment

Attachment A – Portable Equipment Calibration Log

Attachment A

Portable Equipment Calibration Log

Date: _____

Equipment Information

Equipment Type: _____

Manufacturer and Model: _____

Identification Number: _____

Calibration Information

Time	Parameter	Initial Reading	Calibration Value	Lot No.	Expiration	Final Reading

Notes:

Record information for all calibrated parameters.

If performing zero and span calibration, use a separate line for each.

Comments/Observations

STANDARD OPERATING PROCEDURE

GW-005 Turbidity Measurement

1. Description

A nephelometer/turbidimeter is used in comparing the turbidity of liquids by viewing light through them and determining how much light is eliminated. Turbidity readings are required to be read using a portable (e.g. Horiba or Hach) instrument outside the flow-through cell.

2. Execution

- Turn the meter "ON".
- Calibrate the meter according the manufacture's specifications and record data on Attachment A – Portable Equipment Calibration Log.
- Rinse the sample cell three times with organic free or de-ionized water.
- Fill the cell to the fill line with organic free or de-ionized water and then cap the cell.
- Use a non-abrasive lint-free paper or cloth (preferably lens paper) to wipe off excess water and streaks.
- Open the cover and insert the cell (arrow to the front) into the unit and close the cover.
- Press "READ" and wait for the 'light bulb' icon to go off. Record the reading.
- Using the Gelex standards, repeat steps above. Record all measurements (note anomalies).
- Collect a representative sample or use a portion of the sample that is collected for pH, temperature, or conductivity analysis, and pour off enough to fill the cell to the fill line (about 15 milliliters [ml]) and replace the cap on the cell.
- Wipe off excess water and any streaks with a soft, lint-free cloth (lens paper).
- Press "I/O" and the instrument will turn on. Place the meter on a flat, sturdy surface. Do not hold the instrument while making measurements.
- Insert the sample cell in the instrument so the diamond or orientation mark aligns with the raised orientation mark in the front of the cell compartment. Close the lid.
- Select manual or automatic range selection by pressing the range key.

- Select signal averaging mode by pressing the "Signal Average" key. Use signal average mode if the sample causes a noisy signal (display changes constantly).
- Press Read. The display will show "---- NTU" and then the turbidity in nephelometric turbidity units (NTUs). Record the result after the lamp symbol turns off.
- Rinse the cell with de-ionized water.
- Perform an operational check.
- Periodically check the turbidity meter during the day by using the Gelex secondary standards provided.
- Perform a post calibration at the end of the day and record all measurements.

3. Notes

- Turbidity measurements are reported in NTUs. It is important to note that if the turbidity measurements are for National Pollutant Discharge Elimination System (NPDES) reporting purposes, all values above 40 NTU must be diluted with turbidity free water and calculated by multiplying by a dilution factor.

4. References

Standard Methods for the Examination of Water and Wastewater, 18th Edition, Method 4500-H. American Public Health Association (1992).

STANDARD OPERATING PROCEDURE

GW-006 Specific Conductance Measurement

1. Objective

The objective of this Standard Operating Procedure (SOP) is to provide standard methods for determining the conductivity of waters using a field conductivity meter.

2. Execution

- Calibrate the meter according to equipment manufacturer's instructions at the beginning of each day of use and record data on Attachment A – Portable Equipment Calibration Log. Calibration shall be performed using a standard KCl solution of 0.20 mS/cm (200 uS/cm, S=mho).
- Calibration is checked at the beginning of the day immediately prior to sampling, after five sampling locations or two hours (whichever occurs first), and at the end of the day. If the readings are outside +/- 0.02 mS/cm, the meter must be recalibrated. Initial calibration should be conducted under the same conditions (i.e., temperature, and location) of field testing.
- Immediately prior to testing a sample, decontaminate testing beaker or container and probe assembly with one distilled water rinse, and one sample solution rinse.
- Gently shake the probe and beaker to remove excess solution.
- Pour sample into the testing container and insert probe. Stir sample with the probe for approximately 10 seconds. Let the probe equilibrate in the sample solution for another five seconds. Measure conductivity and record in the field notebook.
- Record conductivity to the nearest whole number.

3. Notes

- At all times, follow safety procedures as defined in the site-specific Health and Safety Plan.
- Coatings and particulates may affect the probe's response; more thorough cleaning using a weak alconox solution and double distilled water rinse and gently wiping the probe surface may be required to clean the surface of the probe.
- If contaminated, (e.g., stained, conductance >750 mhos/cm), rinse probe with clean water immediately after measuring sample to minimize fouling of probe.
- Calibration solutions should not be used past their expiration date and must be discarded after three months of use.

4. References

Standard Methods for the Examination of Water and Wastewater, 18th Edition, Method 4500-H. American Public Health Association (1992).

5. Attachment

Attachment A – Portable Equipment Calibration Log

Attachment A

Portable Equipment Calibration Log

Date: _____

Equipment Information

Equipment Type: _____

Manufacturer and Model: _____

Identification Number: _____

Calibration Information

Time	Parameter	Initial Reading	Calibration Value	Lot No.	Expiration	Final Reading

Notes:

Record information for all calibrated parameters.

If performing zero and span calibration, use a separate line for each.

Comments/Observations

STANDARD OPERATING PROCEDURE

GW-007 Dissolved Oxygen Measurement

1. Objective

To accurately quantify dissolved oxygen (DO) in water.

2. Execution

Typically, the Horiba U-22 Multiparameter Water Quality Meter is used to measure groundwater DO during low-flow purging activities. However, a Hach DO test kit may be utilized, as necessary.

Horiba U-22 Multiparameter Water Quality Meter

1) Calibrate meter in accordance with manufactures specifications.
2) Calibrate the meter according to equipment manufacturer's instructions at the beginning of each day of use and record data on Attachment A – Portable Equipment Calibration Log.
3) In accordance with SOP GW-003, connect decontaminated meter inline with purge/sample tubing utilizing decontaminated flow-cell.
4) Record DO readings during monitoring well purging in accordance with SOP GW-003

Hach DO Test Kit

High Range Test (1 to 20 milligrams per liter [mg/L])

1) Fill the DO bottle (round bottle with glass stopper) with sampling water by allowing the sample water to overflow the bottle for 2 to 3 minutes. Avoid turbulence and bubbles in the sample while filling.
2) Incline the bottle slightly and insert the stopper with a quick thrust to avoid trapping air bubbles. If bubbles become trapped, discard the sample and repeat the test.
3) Remove the stopper and add the contents of one DO 1 Reagent Power Pillow and one DO 2 Reagent Powder Pillow. Stopper the bottle carefully to avoid trapping air bubbles. If bubbles become trapped, discard the sample and repeat the test.
4) Shake the bottle vigorously to mix. Flocculant (floc) precipitate will form. Brownish-orange precipitate indicates oxygen is present.
5) Wait for floc to settle to approximately half the bottle volume. Floc will not settle if high concentrations of chloride are present. In this case, wait 4 to 5 minutes before proceeding.
6) Shake the bottle vigorously again.
7) Wait for the floc to settle halfway. Floc will not settle if high concentrations of chloride are present. In this case, wait 4 to 5 minutes before proceeding.

8) Remove the stopper and add the contents of one DO 3 Reagent Powder Pillow. Stopper the bottle carefully to avoid trapping air bubbles. If bubbles become trapped, discard the sample and repeat the test.
9) Shake the bottle vigorously to mix. Floc will dissolve and the sample will turn yellow if oxygen is present.
10) Fill plastic tube full (to the top) with prepared sample.
11) Save the rest of the prepared sample for the Low Range Test, if necessary.
12) Pour the contents of the tube into a square mixing bottle.
13) Add Sodium Thiosulfate Standard Solution one drop at a time to the mixing bottle. Count each drop. Swirl to mix after each drop. Add drops until the sample becomes colorless. The number of drops of titrant used is equal to the total mg/L.

Low Range Test (0.2 to 4 milligrams per liter [mg/L])

1) Use the prepared sample left from Step 11 of the High Range Test. Pour off the contents of the DO bottle until the level reaches the 30 ml mark on the bottle.
2) Add Sodium Thiosulfate Standard Solution one drop at a time to the DO bottle. Count each drop. Swirl the bottle after each drop is added. Add drops until the sample becomes colorless.
3) Multiply by 0.2 the number of drops of titrant used. This is the total mg/L.

3. Notes

- Collecting measurements from samples in containers will alter the gaseous content of the sample.
- Freshwater can hold more oxygen than saltwater. The dissolved salt forces dissolved gas out of water thereby lowering the solubility of water. A known relationship between salinity and dissolved oxygen concentration allows for a correction for salinity.

4. References

Standard Methods for the Examination of Water and Wastewater, 18th Edition, Method 4500-H. American Public Health Association (1992).

5. Attachment

Attachment A – Portable Equipment Calibration Log

Attachment A

Portable Equipment Calibration Log

Date: _____

Equipment Information

Equipment Type: _____

Manufacturer and Model: _____

Identification Number: _____

Calibration Information

Time	Parameter	Initial Reading	Calibration Value	Lot No.	Expiration	Final Reading

Notes:

Record information for all calibrated parameters.

If performing zero and span calibration, use a separate line for each.

Comments/Observations

STANDARD OPERATING PROCEDURE

GW-008 Temporary Groundwater Sampling Points

1. Description

A well point is a small diameter (1-2 inch) probe constructed of continuously wrapped stainless steel or wrapped stainless steel gauze screen over perforated carbon steel pipe. They may be used as a screening tool to collect ground water samples and piezometric data to aid in the optimal placement of monitor wells. No filter or gravel pack is used in the installation.

2. Execution

2.1. Installation

- The well point can be placed with the use of a conventional hollow-stem auger rig, slide hammer, jack hammer, rotary hammer, or by hand.
- The well point may be driven through the unsaturated zone only in known "clean" soils. Driving the well point through contaminated soil may carry some contamination with the point resulting in analytical sample results which are biased high. In contaminated unsaturated zones, the well points must be placed with the aid of a hollow-stem auger.
- If the well point is to be installed in an oversized (20% larger than the well point) pre-drilled hole, the hollow-stem augers or bull drive point must be advanced to a point which is just above the targeted sample zone. The well point is then placed in the hole and advanced beyond the bottom of the hole by hammering or pushing into place. The use of pre-drilled holes will reduce clogging of well point screens when driving.
- After sample collection, the well point is removed by back hammering or pulling the tool out with the rig hydraulics.
- If the well point is to be left as a permanent installation, it must be constructed and permitted as per local regulatory monitor well requirements.
- If the well point is used for piezometeric data, a survey mark must be made on top of the casing as a reference point for water level measurements.

2.2. Sampling Procedures

2.2.1. Development

Development of a well point is not required except when performing vertical profile sampling. The well point must be developed by one of the standard methods used for well development prior to sampling. If an air lift

development technique is used, the air outlet must be at a minimum of two feet above the screen. Operations must be continuous and not pulsed. The air lift pipe shall not be placed within the screen and only the double pipe method shall be used.

2.2.2. Purging

Purging of the well point is required.

2.2.3. Sampling

The acquisition of ground water samples and piezometric data must be performed by one of several recommended methods described in the associated SOP.

3. References

Standard Methods for the Examination of Water and Wastewater, 18th Edition, Method 4500-H. American Public Health Association (1992).

Ground Water and Wells. Johnson Division, UOP Inc.; St. Paul, Minn. 1982. p277-294.

Ground Water Manual - A Water Resources Technical Publication; U.S. Dept. of Interior, Bureau of Reclamation. Government Printing Office,Washington DC 1977.

STANDARD OPERATING PROCEDURE

SG-002 Soil Vapor Sample Collection

1. Objective

This procedure outlines the general steps to collect soil vapor samples. The site-specific Sampling and Analysis Work Plan should be consulted for proposed sample locations, sample depths, and sampling duration.

2. Execution

Permanent and temporary soil vapor probes should be installed using the procedures outlined below. All soil vapor probes should be installed using a direct-push drill rig (e.g., Geoprobe® or similar), hand auger, or manually using a slide hammer.

2.1. Document Field Conditions

Document pertinent field conditions prior to installation of any probe points.

- Record weather information (precipitation, temperature, barometric pressure, relative humidity, wind speed, and wind direction) at the beginning of the sampling event. Record substantial changes to these conditions that may occur during the course of sampling. The information may be measured with on-site equipment or obtained from a reliable source of local measurements (e.g., a local airport). Data should be obtained for the past 24 to 48 hours.
- If sampling near a commercial or industrial building, uses of volatile chemicals during normal operations of the facility should be identified.
- Outdoor plot sketches should be drawn that include the site, area streets, neighboring commercial or industrial facilities (with estimated distance to the site), outdoor air sampling locations (if applicable), and compass orientation (North);
- Any pertinent observations should be recorded, such as odors and readings from field instrumentation.

2.2. Soil Vapor Point Installation Specifications

Each soil vapor point should be constructed as follows:

- Six-inch stainless steel Geoprobe® AT86 series Permanent Implants (soil vapor screens) or equivalent and threaded to an (expendable) stainless steel anchor point.
- The implants should be fitted with inert Teflon or stainless steel tubing of laboratory or food grade quality.
- The annular space surrounding the vapor screen interval and a minimum of 6-inches above the top of the screen should be filled with a porous backfill

material (e.g., glass beads or coarse silica sand) to create a sampling zone 1 foot in length.

For temporary points, a hydrated bentonite surface seal should be created at the surface to minimize infiltration. For permanent points, the additional measures described below should be included.

- The soil vapor points should be sealed above the sampling zone with a bentonite slurry for a minimum distance of 3 feet (or to grade, whichever is smaller) to prevent ambient air infiltration.
- If needed, the remainder of the borehole should be backfilled with clean material.
- A protective casing should be set around the top of the point tubing and grouted in place to the top of the bentonite to minimize infiltration of water or ambient air, as well as to prevent accidental damage to the soil vapor point.
- The tubing top should be fitted with a Swagelok® and cap to prevent moisture and foreign material from infiltrating the tubing.

2.3. Soil Vapor Sample Collection

Soil vapor samples should be collected as indicated in the work plan and in accordance with applicable state or federal guidance documents. Specifically, samples from the points should be collected as follows:

- Permanent soil vapor points should not be sampled or purged for a minimum of 24 hours after installation. Temporary points may be purged and sampled immediately following installation.
- Document pertinent field conditions prior to sampling as described above.
- A suction pump should be used to remove a minimum of three implant volumes from the soil vapor points prior to sampling. Include the volume of any additional tubing added to affix sampling equipment and the annular space between the probe and the native material if sand or glass beads were used.
- The purge rate shall not exceed 0.2 liters per minute.
- Samples should be collected for volatile organic compounds (VOCs) in an individually laboratory certified clean 1-liter SUMMA® canister (or equivalent) using a certified flow controller calibrated for the anticipated sample duration (4 minutes). The regulator flow rate should not exceed 0.2 liters per minute.
- A helium tracer gas should be used to identify any potential migration or short circuiting of ambient air during sampling as described below.
- Remove the protective brass plug from the canister. Connect the pre-calibrated flow controller to the canister.
- Record the identification numbers for the canister and flow controller.
- Record the initial canister pressure on the vacuum gauge (check equipment-specific instructions for taking this measurement). A canister with a significantly different pressure than originally recorded by the testing

laboratory should not be used for sampling. Record these numbers and values on the chain-of-custody form for each sample.

- Connect the tubing from the soil vapor probe to the flow controller.
- Open the valve on the canister. Record the time that the valve was opened (beginning of sampling) and the canister pressure on the vacuum gauge.
- Photograph the canister and the area surrounding the canister.
- Monitor the vacuum pressure in the canister routinely during sampling.
- Stop sample collection when the canister still has a minimum amount of vacuum remaining. Check with the laboratory supplying the canister and flow controller for the ideal final vacuum pressure. Typically, the minimum vacuum is between 2 and 5 inches of mercury, but not zero. If there is no vacuum remaining, the sample should be rejected and collected again in a new canister.
- Record the final vacuum pressure and close the canister valve. Record the date and time that sample collection was stopped.
- Remove the flow controller from the canister and replace the protective brass plug.
- Attach labels/tags (sample name, time/date of sampling, etc.) to the canister as directed by the laboratory.
- Place the canister and other laboratory-supplied equipment in the packaging provided by the laboratory.
- Enter the information required for each sample on the chain-of-custody form, making sure to include the identification numbers for the canister and flow controller, and the initial and final canister pressures on the vacuum gauge.
- Samples should be analyzed for VOCs and naphthalene via modified USEPA modified Method TO-15 and helium via ASTM D-1945.
- Include the required copies of the chain-of-custody form in the shipping packaging, as directed by the laboratory. Maintain a copy of the chain-of-custody for the project file.
- Deliver or ship the samples to the laboratory as soon as practical.
- All laboratory analytical data should be validated by a data validation professional in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, January 2005 and the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data modified to accommodate the USEPA Method TO-15 and natural gas analysis by ASTM D-1945.

2.4. Tracer Gas Evaluation

The tracer gas evaluation provides a means to evaluate the integrity of the soil vapor probe seal and assess the potential for introduction of ambient air into the soil vapor sample.

A tracer gas evaluation should be conducted on the each temporary soil vapor probe to be sampled in a sampling event. A tracer gas evaluation should be conducted on

the each permanent soil vapor probe during the initial sampling event and a minimum of 10% of the soil vapor probes during subsequent sampling events.

The following tracer gas evaluation procedure uses helium as a tracer gases which can be measured through laboratory analysis or by a portable detector.

Retain the tracer gas around the sample probe by filling an air-tight chamber (such as a plastic bucket) positioned over the sample location.

- Make sure the chamber is suitably sealed to the ground surface.
- Introduce the tracer gas into the chamber. The chamber should have tubing at the top of the chamber to introduce the tracer gas into the chamber and a valved fitting at the bottom to let the ambient air out while introducing tracer gas. Close the valve after the chamber has been enriched with tracer gas at concentrations >10%.
- The chamber should have a gas-tight fitting or sealable penetration to allow the soil vapor sample probe tubing to pass through and exit the chamber.
- After the chamber has been filled with tracer gas, attach the sample probe tubing to a pump that should be pre-calibrated to extract soil vapor at a rate of no more than 0.2 liters per minute. Purge the tubing using the pump. Calculate the volume of air in the tubing and probe and purge one to three tubing/probe volumes prior collecting an analytical sample or using a portable device to measuring the tracer gas concentration.
- Samples collected from vapor points during a tracer gas evaluation should be analyzed for VOCs and naphthalene via modified USEPA modified Method TO-15 and helium via ASTM D-1945.
- Alternately, a tracer gas detector may be used to verify the presence of the tracer gas in the chamber by affixing it to the valve fitting at the bottom of the chamber. The tracer gas detector may also be used to measure the tracer gas concentration in the pump exhaust during purging. If used, then record the tracer gas concentrations in the chamber and in the soil vapor sample.
- Based on the concentrations of the tracer gas detected during analysis or direct measurement, determine whether additional gas tracer evaluations are necessary.

If the evaluation on a probe indicates a high concentration of tracer gas in the sample (>10% of the concentration of the tracer gas in the chamber), then the surface seal is not sufficient and requires improvement via repair or replacement prior to commencement subsequent sample collection.

A non-detectable level of tracer gas is preferred, however, if the evaluation on a probe indicates a low potential for introduction of ambient air into the sample (<10% of the concentration of the tracer gas in the chamber), then proceed with the soil

vapor sampling. While lower concentrations of tracer gas are acceptable, the impact of the detectable leak on sample results should be evaluated in the sampling report.

3. References

USEPA modified Method TO-15 and helium via ASTM D-1945

Section 2.7.1 of the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006.*

4. Contact

Chris Berotti

STANDARD OPERATING PROCEDURE

SG-003 Sub-slab Soil Vapor Collection

1. Objective

This procedure outlines the general steps to collect sub-slab soil vapor samples. The site-specific Sampling and Analysis Work Plan should be consulted for proposed sample locations, sample depths, and sampling duration.

2. Execution

Permanent and temporary sub-slab soil vapor probes will be installed using the procedures outlined below. All sub-slab soil vapor probes will be installed using a direct-push drill rig (e.g., Geoprobe® or similar), hand auger, or manually using a slide hammer.

2.1. Document Field Conditions

Document pertinent field conditions prior to installation of any probe locations.

- Record weather information (precipitation, temperature, barometric pressure, relative humidity, wind speed, and wind direction) at the beginning of the sampling event. Record substantial changes to these conditions that may occur during the course of sampling. The information may be measured with on-site equipment or obtained from a reliable source of local measurements (e.g., a local airport). Data should be obtained for the past 24 to 48 hours. Record the indoor conditions (temperature, heating/cooling system active, windows open/closed, etc.).
- Measure the differential pressure at the building. Measure the indoor and outdoor barometric pressure using a high resolution device. Where possible, measure the sub-slab barometric pressure at the sampling point.
- If sampling near a commercial or industrial building, uses of volatile chemicals during normal operations of the facility should be identified.
- Indoor floor plan sketches should be drawn that include the floor layout with sampling locations, chemical storage areas, garages, doorways, stairways, location of basement sumps or subsurface drains and utility perforations through building foundations, heating, ventilating and air conditioning (HVAC) system air supply and return registers, compass orientation (North), footings that create separate foundation sections, and any other pertinent information should be completed;
- Outdoor plot sketches should be drawn that include the building site, area streets, outdoor air sampling locations (if applicable), compass orientation (north), and paved areas.
- Any pertinent observations should be recorded, such as odors and readings from field instrumentation.

2.2. Sub-Slab Soil Vapor Point Installation Specifications

Each sub-slab soil vapor point will be constructed as follows:

- Drill an approximately 3/8-inch hole through the slab. If necessary, advance the drill bit 2-3 inches into the sub-slab material to create an open cavity.
- Using dedicated inert Teflon or stainless steel tubing of laboratory or food grade quality, insert the inlet of the tubing to the specified depth below the slab. For permanent installation, only stainless steel tubing and fittings will be used.
- For permanent point installations, the annular space surrounding the vapor probe tip will be filled with a porous backfill material (e.g., glass beads or coarse silica sand) to cover 1-inch of the above the tip of the probe.
- Seal the annular space between the hole and the tubing using an inert non-shrinking sealant such as melted 100% beeswax, permagum grout, putty, etc. For permanent installations, cement may be used.
- For permanent points, a protective casing will be set around the top of the point tubing and grouted in place minimize infiltration of water or ambient air, as well as to prevent accidental damage to he permanent point.
- The tubing top will be fitted with a Swagelok® and cap to prevent moisture and foreign material from infiltrating the tubing.

In cases where sub-slab sampling is impractical or infeasible, a surrogate location (attached garage, concrete patio, asphalt driveway, etc.) may be used if it is representative of sub-slab conditions. In surrogate locations, the vapor sampling point may be installed in accordance with SOP SG-002 Soil Vapor Collection.

2.3. Sub-Slab Soil Vapor Sample Collection

Sub-slab soil vapor samples will be collected as indicated in the site-specific Sampling and Analysis Work Plan and in accordance with state or Federal guidance documents. Specifically, sub-slab samples from the points will be collected as follows:

- Document pertinent field conditions prior to sampling as described above.
- A suction pump will be used to remove one to three implant volumes from the sub-slab soil vapor points prior to sampling. Include the volume of any additional tubing added to affix sampling equipment and the annular space between the probe and the native material if sand or glass beads were used.
- The purge rate shall not exceed 0.2 liters per minute.
- Samples will be collected in an individually laboratory certified clean 1-liter SUMMA® canister (or equivalent) using a certified flow controller calibrated for the anticipated sample duration (4 minutes). The regulator flow rate will not exceed 0.2 liters per minute.
- A helium tracer gas will be used to identify any potential migration or short circuiting of ambient air during sampling as described below.

- Remove the protective brass plug from the canister. Connect the pre-calibrated flow controller to the canister.
- Record the identification numbers for the canister and flow controller.
- Record the initial canister pressure on the vacuum gauge (check equipment-specific instructions for taking this measurement). A canister with a significantly different pressure than originally recorded by the testing laboratory should not be used for sampling. Record these numbers and values on the chain-of-custody form for each sample.
- Connect the tubing from the sub-slab soil vapor probe to the flow controller.
- Open the valve on the canister. Record the time that the valve was opened (beginning of sampling) and the canister pressure on the vacuum gauge.
- Photograph the canister and the area surrounding the canister.
- Monitor the vacuum pressure in the canister routinely during sampling.
- Stop sample collection when the canister still has a minimum amount of vacuum remaining. Check with the laboratory supplying the canister and flow controller for the ideal final vacuum pressure. Typically, the minimum vacuum is between 2 and 5 inches of mercury, but not zero. If there is no vacuum remaining, the sample will be rejected and collected again in a new canister.
- Record the final vacuum pressure and close the canister valve. Record the date and time that sample collection was stopped.
- Remove the flow controller from the canister and replace the protective brass plug.
- Attach labels/tags (sample name, time/date of sampling, etc.) to the canister as directed by the laboratory.
- Place the canister and other laboratory-supplied equipment in the packaging provided by the laboratory.
- Enter the information required for each sample on the chain-of-custody form, making sure to include the identification numbers for the canister and flow controller, and the initial and final canister pressures on the vacuum gauge.
- Samples will be analyzed for volatile organic compounds (VOCs) and naphthalene via modified USEPA modified Method TO-15 and helium via ASTM D-1945
- Include the required copies of the chain-of-custody form in the shipping packaging, as directed by the laboratory. Maintain a copy of the chain-of-custody for the project file.
- Deliver or ship the samples to the laboratory as soon as practical.
- All laboratory analytical data will be validated by a data validation professional in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, January 2005 and the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data modified to accommodate the USEPA Method TO-15 and natural gas analysis by ASTM D-1945.

2.4. Tracer Gas Evaluation

The tracer gas evaluation provides a means to evaluate the integrity of the sub-slab soil vapor probe seal and assess the potential for introduction of indoor air into the sub-slab soil vapor sample. A tracer gas evaluation should be conducted on the each temporary sub-slab soil vapor probe to be sampled in a sampling event. A tracer gas evaluation should be conducted on the each permanent sub-slab soil vapor probe during the initial sampling event and a minimum of 10% of the sub-slab soil vapor probes during subsequent sampling events.

The following tracer gas evaluation procedure uses helium as a tracer gases which can be measured through laboratory analysis or by a portable detector.

- Retain the tracer gas around the sub-slab sample probe by filling an air-tight chamber (such as a plastic bucket) positioned over the sample location.
- Make sure the chamber is suitably sealed to the ground surface.
- Introduce the tracer gas into the chamber. The chamber will have tubing at the top of the chamber to introduce the tracer gas into the chamber and a valved fitting at the bottom to let the ambient air out while introducing tracer gas. Close the valve after the chamber has been enriched with tracer gas at concentrations >10%.
- The chamber will have a gas-tight fitting or sealable penetration to allow the sub-slab soil vapor sample probe tubing to pass through and exit the chamber.
- After the chamber has been filled with tracer gas, attach the sample probe tubing to a pump that will be pre-calibrated to extract sub-slab soil vapor at a rate of no more than 0.2 lpm. Purge the tubing using the pump. Calculate the volume of air in the tubing and purge one to three tubing volumes prior collecting an analytical sample or using a portable device to measuring the tracer gas concentration.
- Samples collected from vapor points during a tracer gas evaluation will be analyzed for VOCs and naphthalene via modified USEPA modified Method TO-15 and helium via ASTM D-1945.
- Alternately, a tracer gas detector may be used to verify the presence of the tracer gas in the chamber by affixing it to the valve fitting at the bottom of the chamber. The tracer gas detector may also be used to measure the tracer gas concentration in the pump exhaust during purging. If used, then record the tracer gas concentrations in the chamber and in the soil vapor sample.
- Based on the concentrations of the tracer gas detected during analysis or direct measurement, determine whether additional gas tracer evaluations are necessary:

If the evaluation on a probe indicates a high concentration of tracer gas in the sample (>10% of the concentration of the tracer gas in the chamber), then the

surface seal is not sufficient and requires improvement via repair or replacement prior to commencement subsequent sample collection.

A non-detectable level of tracer gas is preferred; however, if the evaluation on a probe indicates a low potential for introduction of ambient air into the sample (<10% of the concentration of the tracer gas in the chamber), then proceed with the soil vapor sampling. While lower concentrations of tracer gas are acceptable, the impact of the detectable leak on sample results should be evaluated in the sampling report.

3. References

USEPA modified Method TO-15 and helium via ASTM D-1945.

Section 2.7.1 of the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006.

4. Contact

Chris Berotti