REMEDIAL INVESTIGATION REPORT

109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BROWNFIELD CLEANUP PROGRAM SITE # C360143

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March 9, 2016

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I William A. Canavan certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report 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) and that all activities were performed in full accordance with the DER-approved work plan and any DER approved modifications.

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3/9/16

I Jonathan B. Ashley certify that I am currently a Licensed Professional Engineer and that this Remedial Investigation Report 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) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.



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3/9/16

Table of Contents

1. Introduction 1

1.1 Purpose and Scope 1

1.2 Site Description and Location 2

1.3 Site Background and History 2

1.4 Report Organization 2

2. Physical Setting 3

2.1. Land Use and Demography 3

2.2 Topography and Drainage 3

2.3 Climate 4

2.4 Soils 4

2.5 Regional Geology and Hydrogeology 5

2.5.1 Regional Overburden Geology 5

2.5.2 Regional Bedrock Geology 5

2.5.3 Regional Hydrogeology 5

3. Summary of Previous Investigations 5

3.1 General 5

3.2 Previous Investigations 6

4. Remedial Investigation Methods 9

4.1 General 9

4.2 Soil Boring Program 10

4.2.1 Purpose 10

4.2.2 Methodology 10

4.2.3 Results 10

4.3 Subsurface Soil Sampling & Analyses 11

4.3.1 Purpose 11

4.3.2 Methodology 11

4.3.3 Results 11

4.4 Monitoring Well Installation 11

4.4.1 Purpose 11
4.4.2 Methodology 12
4.4.3 Monitoring Well Development 12
4.5 Soil Vapor Characterization 12
4.5.1 Purpose 12
4.5.2 Methodology 13
4.5.3 Results 14
4.6 Surface Soil Sampling Program 14
4.6.1 Purpose 14
4.6.2 Methodology 14
4.6.3 Results 14
4.7 Groundwater Sampling Program 14
4.7.1 Purpose 14
4.7.2 Methodology 15
4.7.3 Results 15
5. Hydrogeologic Evaluation 15
5.1 Introduction 15
5.2 Site Geology 15
5.3 Site Hydrogeology 16
6. Data Validation/Usability 17
6.1 Validated Surface Soil Results 18
6.2 Validated Subsurface Soil Results 19
6.3 Validated Groundwater Results 19
6.4 Validated Soil Vapor Results 20
7. Site Contaminant Characterization 20
7.1 Introduction 20
7.2 Subsurface Soil Vapor 21
7.3 Surface Soil Results 22
7.4 Subsurface Soil Results 23
7.5 Groundwater Sample Results 27

8. Human Health Evaluation 28

8.1 Overview 29

8.2 Data Evaluation 29

8.2.1 Surface Soil/Fill 31

8.2.2 Subsurface Soil/Fill 31

8.2.3 Soil Vapor 32

8.2.4 Groundwater 32

8.3 Exposure Assessment 32

8.3.1 Potential Human Receptors 33

8.3.2 Exposure Pathways 34

8.4 Toxicity Assessment 35

8.5 Risk Characterization 35

8.5.1 Current/Future No Remediation/No Development Scenario 35

8.5.2 Future Scenario No Remediation 36

8.5.3 Future Scenario Remediation 38

8.6 Uncertainty Analysis 39

8.7 Summary and Discussion 39

9. Conclusions and Recommendations 40

9.1 Conclusions 40

9.1.1 Soil Vapor 41

9.1.2 Surface Soil/Fill 41

9.1.3 Subsurface Soil/Fill 42

9.1.4 Groundwater 43

9.2 Recommendations 44

FIGURES

Figure 1 – Site Location Map
Figure 2 – Aerial Photograph Showing the Site and Surrounding Area
Figure 3 – Site Plan
Figure 4 – Soil Vapor Point Detail
Figure 5 – Section A-A'
Figure 6 – Section B-B'
Figure 7 – Section C-C'
Figure 8 – Groundwater Elevations and General Flow Directions
Figure 9 – Proposed Development Site Plan
Figure 10 – Conceptual Site Model

TABLES

Table 1 – Summary of PID Field Screening Results – Surface Soil Samples
Table 2 – Summary of Monitor Well Construction Detail
Tables 3A-3B – Groundwater Laboratory Analytical Results Summary
Tables 4A-4C – Soil Vapor Sample Laboratory Analytical Results Summary
Tables 5A-5E – Subsurface Soil Laboratory Analytical Results Summary
Tables 6A-6B – Surface Soil Laboratory Analytical Results Summary
Table 7 – Groundwater Monitoring Data and Elevations
Table 8 – Shallow and Subsurface Soil Data Summary
Table 9 – Chemical Release Mechanisms/Exposure Pathways in the Absence of Site Remediation
Table 10 – Non-Carcinogenic Health Effects of Chemicals of Potential Concern
Table 11 – Carcinogenic Health Effects of Chemicals of Potential Concern
Table 12 – Summary of Human Health Evaluation Risk Characterization

APPENDICES

APPENDIX A – Westchester Soil Survey Map
APPENDIX B – Prior Environmental Reports (CD)
APPENDIX C – New York State Department of Environmental Conservation December 2015 Groundwater Sampling Results
APPENDIX D – Laboratory Analytical Reports and Data Validation Review Reports
APPENDIX E – Borehole Geologic Logs and Monitor Well Construction Details

1. Introduction

1.1 Purpose and Scope

On behalf of Bilwin Development Affiliates LLC, HydroEnvironmental Solutions, Inc. (HES) has prepared this Remedial Investigation (RI) Report to summarize the results of the RI performed at 109-125 Marbledale Road (Site), located on the west side of Marbledale Road in the Village of Tuckahoe, Westchester County, New York. The Site, which is located to the west of Marbledale Road, consists of approximately 3.45 acres of vacant land on two adjoining tax parcels [Section 35, Block 1, Lots 1.A-E (0.2 acres) and 1.A-T (3.25 acres)]. The Site is referred to as "Former Marble Quarry Landfill" and is subject to the Brownfield Cleanup Program (BCP) Site No. C360143. The Site location is shown on **Figure 1**.

BCP Volunteer Bilwin Development Affiliates, LLC (Bilwin) plans to remediate and redevelop the Site into a commercial hotel and separate restaurant units and associated parking areas. The Site RI was performed in accordance with the requirements of the BCP and with approval and oversight provided by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH).

The goal of this RI was to characterize the nature and extent of:

- The presence and magnitude of contaminants at the Site.
- The extent and composition, both physical and chemical, of overburden (fill/soil) material.
- The hydrogeologic characteristics (e.g., depth to saturated zone, proximity to drinking water aquifers, flood plains and wetlands).
- The potential for migration of contaminants from the Site, and whether possible future migration may pose a threat to human health or the environment.
- The preliminary identification of potentially feasible remedial alternatives.

This report summarizes the RI activities conducted and the findings from these field activities conducted at the Site from February through May 2015 by HES. Field activities were conducted in accordance with the NYSDEC-approved RI Work Plan for the Former Marble Quarry Landfill Site, submitted by HES in November 2014, and in accordance with the NYSDEC guidance document DER-10.

1.2 Site Description and Location

The Former Marble Quarry Landfill Site is situated on approximately 3.45-acres of land located 109 and 125 Marbledale Road in the Village of Tuckahoe, Westchester County, New York as shown on **Figure 2**. The two parcels comprising the Site are identified by the Village of Tuckahoe Tax Map as Section 35, Block 1, Lots 1.A-E (0.2 acre) and 1.A-T (3.25 acres). The Site is partially fenced on the southern, eastern, and northern sides. The Site is neighbored by industrial/commercial facilities to the north, south, and east and by residential properties to the west. The southern portion of the Site is covered with a poorly maintained asphalt cover, and the northern portion of the Site is covered by grass, brush, and weeds.

1.3 Site Background and History

Historically, the Site was used for commercial and industrial operations, first as a quarry, then a landfill, and most recently auto repair. Around the turn of the 20th century, the Site was used as a marble quarry. Mining operations ceased sometime around mid-century. In or about 1958, the quarry closed and the new owner entered into a lease agreement with the Village of Tuckahoe to "fill" the former quarry. From quarry closure in 1958 to 1978 it was used as a dump for several municipalities and local businesses in the surrounding area. Consequently, the former quarry was essentially turned into a landfill and was operated as such until it closed in 1978.

In or about 1978, Ardmar Realty Company (later known as Ardmar Realty Co., LLC) purchased the Site, paved it and began using it for auto parking. In or about 1989, the Site was also used by a tenant for auto repair and car storage. An auto sales and service facility was subsequently established at 125 Marbledale Road, which is surrounded by the central portion of the subject Site. The building and site that was associated with auto repair is not part of the BCP Site. This building and the property is now being operated as a commercial gym. Historically, the surrounding area was predominantly industrial and commercial businesses, including auto service.

1.4 Report Organization

Section 2 provides details concerning the physical characteristics of the Site area, including topography, demography, and the geologic setting. Section 3 summarizes the findings of previous investigations conducted at the Site, and Section 4 provides a description of the field activities conducted during this Site investigation including field methods and results. Section 5 provides the results of the hydrogeologic evaluation of the Site, and Section 6 provides the findings of the data usability and summary reports. Section 7 discusses the nature and extent of contaminant impacts in the soil vapor,

surface and subsurface soil/fill, and groundwater at the Site. The human health risk assessment and conclusions with recommendations are provided in Sections 8 and 9, respectively. References for investigations and literature cited in this report are provided in Section 10.

2. Physical Setting

2.1. Land Use and Demography

The Site is zoned "GC" (General Commercial), which is the appropriate zoning for the planned hotel and restaurant use. The properties surrounding the southern, eastern, and northern sides of the Site are zoned for light commercial/industrial use and the remaining western side is zoned for residential use. The Site currently consists of approximately 3.45 acres of vacant, undeveloped land.

The Site is bounded to the north by a parking lot; to the east by Marbledale Road and a brewery, gym, martial arts studio, and light industrial offices; to the south by a parking lot; and to the west by a steep rock face and residential properties.

2.2 Topography and Drainage

The Former Marble Quarry Landfill Site is located in the lower Hudson River Valley within the New England uplands physiographic province. Major topographic features of the province are the result of the variable nature of the underlying bedrock and periods of glaciation that created scoured uplands, glacial troughs, and reworked deposits of deep valley fill.

The surface topography within the Village of Tuckahoe is characterized by an elevated ridge of differentially eroded bedrock and mantle of unconsolidated sediment having a north to south trending axis of orientation. Radial surface water drainage flows from the rounded hilltops east toward the Hutchinson River and west toward the Bronx River drainage systems. Peak elevations within the Village range from a maximum of 350 to 400 feet above mean sea level (AMSL).

The Site is located on a gently sloping topographic valley between two rock ledges on either side of Marbledale Road. The elevation on the Site ranges from approximately 130 to 150 feet AMSL NAVD-88 (North American Vertical Datum – 1988). The topography of the Site directs local surface water drainage to the south/southeast with a regional westerly shallow groundwater component imparted toward the Long Island Sound.

However, based on the data and the site geology, the former excavated quarry bottom for what became landfill activity most likely acts as an impediment to off-site migration of the landfill materials within the footprint of the Site. Typically, groundwater flow through a bedrock aquifer is through secondary permeability features such as fractures. Thus, it is likely that off-site impacts from the underlying former marble quarry are impeded and limited by the flow through the bedrock regime.

2.3 Climate

The climate of Tuckahoe is characterized as temperate, maritime with weather patterns influenced by air masses and weather systems that originate over land areas of the North American continent. Cool, dry weather prevails when the airflow descends from the northwest. Conversely, warmer and more humid weather prevails when airflow comes from the south and southwesterly directions. The Site climate can be generally defined as follows:

- Average Annual Precipitation = 51.01 inches
- Average Summer High Temperature = 85.5° F
- Average Winter Low Temperature = 22.4° F

2.4 Soils

The Soil Survey of Westchester County identifies the soils on approximately 93% of the Site as Urban Land, which is defined as areas having 80 percent or more of the surface covered by asphalt, concrete, or buildings. Approximately 7% of the soils on Site are of the Chatfield-Charlton complex, which is characterized by hilly and very rocky soils and varying with depth from a fine to gravelly loam (Map and legend/descriptions attached in **Appendix A**).

Soil borings drilled at the Site encountered a soil profile generally consisting of brown fine to coarse sands, with silt and gravel and urban fill. This material is consistent with deposits identified in this area by the Surficial Geologic Map of New York, Lower Hudson Sheet (Cadwell et. al, 1989). According to the Surficial Geologic Map of New York, Lower Hudson Sheet (Cadwell, 1989), the Site is underlain by till deposited beneath a glacier. This deposit consists of poorly sorted diamict of variable textures. This unit has a variable thickness of 1 to 50 meters across the area mapped in the Lower Hudson Sheet.

There have been reports of highly toxic material dumped at the Site but the results of the RI reveal that contaminants are largely consistent with those present in a typical urban landfills.

2.5 Regional Geology and Hydrogeology

2.5.1 Regional Overburden Geology

The Surficial Geologic Map of New York identifies surficial geology at the Site as glacial till (Cadwell et. al., 1989). Based on subsurface data collected during drilling and soil excavation activities completed in close proximity to the Site, the regional native overburden consists of fine to coarse sand, silt, and poorly sorted gravel (till).

2.5.2 Regional Bedrock Geology

According to the Geologic Map of New York, Lower Hudson Sheet (Fisher, 1970), the Site is underlain by metamorphic bedrock defined as the Inwood Marble Formation. The Inwood Marble consists of Cambrian-Ordovician (approximately 488 million year old) dolomitic marble, granulite, and quartzite overlain by calcite marble (Fisher 1970). Boreholes advanced to refusal during the RI drilling program encountered bedrock from 8.0 ftbg to a maximum depth of 85.0 ftbg. Monitor wells MW-2, MW-7, MW-8 and MW-9 were installed into the underlying marble bedrock.

2.5.3 Regional Hydrogeology

Based on the regional topography, the groundwater flow in the vicinity of the Site is expected to flow to the southeast towards the Hutchinson River drainage system or southwest towards the Bronx River drainage system, both ultimately discharging into the Long Island Sound. However, based on the Site geology, groundwater flow in the marble bedrock is limited to movement through secondary permeability features such as fractures, bedding planes or dissolution cracks which is likely minimizing off-site impacts to the groundwater and these off-site waterbodies.

3. Summary of Previous Investigations

3.1 General

The following is a summary of previous environmental investigations performed at the Site. Information for this summary was obtained from reports, or portions of reports, compiled by HES. Copies of the reports and/or portions of reports are included on the CD-ROM diskette included in **Appendix B**.

3.2 Previous Investigations

Prior to implementing the 2015 RI investigation, all previous Site investigations were performed prior to being admitted into the BCP program. The following investigations were completed at the Site by HES:

A. April 2013 Phase II Environmental Site Assessment (ESA)

HES conducted a Phase II Environmental Site Assessment (ESA) of the property in April 2013. This ESA was prepared in conformance with HES' April 19, 2013 work scope and NYSDEC rules and regulations in accordance with ASTM Standard 1527-05. All Phase II fieldwork was conducted by HES on May 6, 2013. To evaluate the Site, HES recommended that subsurface investigation work be conducted. HES prepared a work scope and cost estimate to conduct the Phase II ESA and provided it to Bilwin Development Affiliates, LLC for review and approval. In accordance with the DEC-approved scope, the following Phase II ESA field activities were completed:

- Drilling and installation of twelve soil borings and two temporary groundwater monitor wells at locations selected by HES;
- Collection of soil samples during drilling from all of the test borings for laboratory analysis for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and inorganic compounds (metals and PCBs polychlorinated biphenyls [PCBs]) at a New York State certified laboratory; and
- Collection of groundwater samples for VOC and SVOC analyses following drilling from two temporary monitor wells;

Results of this work demonstrated that the soil beneath the Site at several locations contained concentrations of VOCs, SVOCs and inorganic constituents above laboratory method detection limits (MDLs) and NYSDEC Soil Cleanup Levels (SCLs).

Groundwater was encountered at two boring locations at a maximum depth of 13 ftbg (feet below grade) and both groundwater samples collected for laboratory analysis contained concentrations of dissolved petroleum constituents above laboratory MDLs and NYSDEC Ambient Water Quality Standards (AWQS).

Based on field observations made during soil boring installation activities, HES concluded that the petroleum and metal constituents observed in the soil and petroleum constituents observed in the groundwater were related to landfilling of waste, historic fill that was used to backfill the Site and auto repair operations. Based on this conclusion and others made in the Phase II ESA report, HES recommended that the following additional work be completed at the Site:

- HES recommended any soil that is excavated due to new construction at the Site be removed and disposed of properly at a NYSDEC-approved disposal facility due the fact that it would likely contain contaminants making it a special waste for purposes of disposal.

- HES recommended further delineation of contaminants in the soil and groundwater beneath the Site be conducted in order to determine the extent of the constituents of concern and their impact on future construction. Multiple monitoring wells and ground borings were needed to complete the delineation.

B. <u>September 2013 Phase I ESA</u>

Following completion of the April 2013 Phase II ESA at the Site, HES was retained by Bilwin to conduct a Phase I ESA. The Phase I ESA was conducted in order to provide the necessary environmental and historic information required to bring the subject Site into the NYSDEC BCP. The Phase I ESA revealed evidence of recognized environmental conditions in connection with the property including the following:

REC-1 – The presence of a significant amount of waste and fill on Site within the former open pit marble mines represents a REC because HES' prior Phase II ESA work demonstrated that the fill soils are impacted with metals and PAHs.

REC-2 – The former use of the property for petroleum bulk storage represents a REC; release(s) from tanks were documented in 2003 and cleaned up, but changes in the NYSDEC standards have led to residual contamination on-Site exceeding the applicable standards.

REC-3 – The presence of drums and containers on the property and the improper storage of these containers represents a REC because there is a significant risk that these containers may have released their contents to the environmental media beneath the Site.

REC-4 – The documented presence of the use, and release, of petroleum and/or hazardous substances from numerous adjacent sites surrounding the Site, especially those along Marbledale Road, represents a REC because a significant number of these are located at a higher elevation than the Site and this contamination may have impacted the environmental conditions of the Site.

Based on the findings of the Phase I ESA, obvious conditions that were indicative of potential contamination or past releases were identified at the Site. As such, HES recommended the following work be completed to assess the identified RECs:

- Regarding REC-1, HES previously recommended additional Phase II ESA activities to further assess the Site, including the filled portion of the former

open pit mine on the northern portion of the property, which was not assessed during the April 2013 Phase II ESA.

- Regarding the other RECs identified as a part of the Phase I ESA in connection with the Site, HES recommended additional Phase II ESA activities to determine the nature and extent of any impacted environmental media.

C. January 2014 Additional Phase II ESA

Following the completion of the Phase I ESA and based on recommendations therein, HES conducted a second Phase II ESA on the northern half of the Site.

HES completed an Additional Phase II ESA at the Site in conformance with HES' October 14, 2013 work scope, NYSDEC rules and regulations, and in accordance with ASTM Standard 1527-05 on October 25, November 4, 5 and 20, and December 12, 2013. The results of this supplemental Phase II investigation were summarized in the Additional Phase II ESA dated January 30, 2014.

To evaluate the Site, HES recommended that additional subsurface investigation work be conducted on the northern half of the Site, which was not investigated during the May 2013 Phase II ESA outlined above. The following Additional Phase II ESA field activities were completed:

- Drilling and installation of an additional twelve soil borings at locations selected by HES using the Geoprobe® drilling method, and three test borings using the hollow stem auger and air rotary drilling methods;
- Collection of soil samples during drilling from six of the twelve Geoprobe® test borings and the three hollow stem auger test borings for laboratory analysis for VOCs, SVOCs, and inorganic compounds (metals and PCBs) at a New York State certified laboratory;
- Installation of three permanent monitoring wells,
- Collection of groundwater samples for VOCs, SVOCs, and herbicides and pesticides analyses following installation of the three permanent monitoring wells;
- Collection of groundwater levels from the three permanent wells on two occasions; and
- Preparation of the January 2014 Phase II ESA Report.

Results of this work revealed that the soil beneath the Site at several locations contained concentrations of VOCs, SVOCs and inorganic constituents above laboratory MDLs and NYSDEC UUSCOs.

Groundwater was encountered at the three permanent monitor well locations at depths ranging from 23.14 ftbg to 43.56 ftbg and the groundwater samples collected for laboratory analysis contained concentrations of dissolved petroleum constituents above

laboratory MDLs and NYSDEC AWQS. Copies of the two Phase II ESAs and the Phase I ESA conducted at the Site are included on a CD ROM in **Appendix B**.

4. Remedial Investigation Methods

4.1 General

The field activities discussed within this section consist of those tasks performed for the RI between February and August 2015. All tasks were conducted in accordance with the NYSDEC-approved Remedial Investigation Work Plan or RIWP (HES, November 2014). Per a request from the NYSDOH and NYSDEC dated August 13, 2015, HES also installed six (6) additional soil vapor probes along the eastern Site boundary.

A copy of NYSDEC's December 2015 groundwater sampling results are found in **Appendix C**.

The remedial investigation included an environmental sampling program that required completion of the following field tasks:

- Advancement of thirteen (13) soil borings;
- Collection and analysis of twenty-five (25) subsurface soil samples
- Installation of six (6) groundwater monitoring wells and sampling of nine (9) groundwater monitoring wells (three pre-existing);
- Installation and sampling of eighteen (18) soil vapor probes; and,
- Collection of and analysis of ten (10) surface soil samples.

The boring and sampling locations are provided on **Figure 3**. Discussion of the purpose, methodologies, and results of each of the investigative activities performed under the RI are presented below. Analytical results are presented and discussed in **Section 7**.

The sampling program was completed in accordance with the NYSDEC-approved RI Work Plan. Soil, groundwater and soil vapor samples were analyzed by Phoenix Environmental Laboratories, Inc. (Phoenix). Phoenix is a New York State certified laboratory located in Manchester, Connecticut. As required by the Remedial Investigation Work Plan, third party validation of Phoenix's analytical results was provided by Premier Environmental Services of Merrick, New York. The results of data validation are presented in **Appendix D**. Validated analytical results for the sampled media are discussed in **Section 7: Site Contaminant Characterization**.

4.2 Soil Boring Program

4.2.1 Purpose

A soil boring program was initiated on February 27, 2015 and completed on May 30, 2015. The drilling program was conducted to characterize the physical and chemical composition of the Site overburden soils and/or fill materials through the collection and analysis of subsurface soil and/or fill samples.

4.2.2 Methodology

A total of twenty three (23) soil borings were completed by SoilTesting, Inc. a licensed drilling contractor from Oxford, Connecticut. Boring operations were overseen by HES. Boring locations are shown on **Figure 3**.

Thirteen (13) soil borings, designated TB-1 through TB-13, and six (6) groundwater monitoring wells designated MW-4 through MW-9, were advanced through fill/overburden deposits using hollow stem auger and air rotary drilling methods. Monitor wells MW-2, MW-7, MW-8 and MW-9 were drilled into the underlying marble bedrock. Soil samples were collected in accordance with ASTM D1586 and the Standard Penetration Test (SPT). Two foot long 2-inch diameter split spoon samples were driven by a 140 pound weight falling 30-inches. SPT consist of the number of hammer blows required to drive the sampler 6-inches. The SPT values were recorded on the Geologic Logs in **Appendix E**.

Total volatile organic vapors detected in the soil samples were measured using a calibrated RAE® Mini-Rae 3000 photo-ionization detector (PID) and the headspace method and are listed on the Geologic Logs in **Appendix E**. Additionally, lower explosive limit (LEL) and methane concentrations were monitored at each borehole during drilling activities as a safety precaution.

4.2.3 Results

Thirteen soil borings (TB-1 through TB-13 on **Figure 3**) were advanced to depths ranging from 8 ftbg at test boring TB-3 to 85 ftbg at test boring TB-6. Based on the subsurface data collected, thick fill deposits exist beneath the Site, as expected by Site history and prior environmental investigations. Historic fill materials were observed at all thirteen of the boring locations.

PID field screening measurements for total VOCs were recorded on the Geologic Logs and are recorded on the Geologic Logs in **Appendix E**. Elevated VOC vapor readings (greater than 20 parts per million or ppm) were detected at test borings TB-2, TB-4 and TB-6. The highest PID readings were observed at test boring TB-6 at a depth of 56 to 60 ftbg and concentrations ranging from 230 ppm to 287 ppm.

A description of the geologic conditions encountered during the drilling program is provided in Section 5. All soil borings, other than those developed into groundwater wells, were backfilled by tremie grouting the borehole from the total depth to the ground surface with a cement/bentonite slurry.

4.3 Subsurface Soil Sampling & Analyses

4.3.1 Purpose

The purpose of the subsurface soil sampling an analytical program was to facilitate characterization of the physical and chemical conditions of the subsurface fill materials at the Site.

4.3.2 Methodology

A minimum of two representative soil samples were submitted for chemical analysis from each borehole advanced during the investigation with the exception of TB-3. TB-3 was limited to one shallower soil sample due to poor spoon recoveries and the occurrence of shallow bedrock. Otherwise, two soil samples were collected from each deep soil boring: at the occurrence of the highest field screening readings for VOCs and/or visual staining; and at the observed groundwater interface. Upon retrieval of a sample, the soils collected in each split spoon were screened with a PID and logged by a HES geologist. The split spoon was decontaminated prior to each use using a solution of Alconox and water.

All samples were collected in laboratory supplied sample jars and placed in an iced cooler. All soil samples were submitted under chain of custody to Phoenix for analysis of target compound list (TCL) VOCs, TCL SVOCs, target analyte list (TAL) metals, PCBs, and cyanide.

4.3.3 Results

A total of 25 subsurface soil samples were collected from the 13 soil borings and submitted to the analytical laboratory. Analytical results for the soil samples are discussed in detail in **Section 7, Site Contaminant Characterization**. Laboratory analytical results are summarized on **Tables 5A** through **5E**.

4.4 Monitoring Well Installation

4.4.1 Purpose

Six (6) new permanent groundwater monitoring wells were installed during the RI to characterize water quality at the Site. The groundwater monitoring wells were designated MW-4 through MW-9. Existing groundwater monitoring wells MW-1 through MW-3 were installed prior to the RI for a total of nine wells on-Site. Groundwater was encountered in all of the groundwater monitoring wells at depths ranging from 18 to 33 feet below grade (ftbg).

4.4.2 Methodology

The six (6) groundwater monitoring wells were installed in borings completed to depths ranging from 24 ftbg at monitoring well MW-9 to 37 ftbg at MW-8. The wells were constructed of 4-inch Schedule 40 20-slot PVC well screen and solid riser pipe. The annular space around each well was backfilled using No. 2 filter sand and a minimum of a 2-foot bentonite seal was placed on top of the sand pack. The remaining annular space was backfilled with drill cuttings. Each of the wells was finished with a minimum of a three foot stick-up riser above grade inside a protective, locking steel casing set in a concrete collar. Construction details for the six (6) groundwater monitoring wells installed are included in **Appendix E**. Well construction details are also summarized on **Table 2**.

4.4.3 Monitoring Well Development

Newly installed wells (MW-4 through MW-9) were developed to remove fine sediment inside the well casing. The development process is intended to provide groundwater sampling locations that will yield water samples that are representative of the groundwater quality at that location.

The wells were developed using a 1 horsepower Goulds submersible pump and dedicated polyethylene tubing. During development, well discharge water was monitored for field water quality parameters (i.e.: pH, specific conductivity, temperature, dissolved oxygen, and turbidity) using a Horiba multi-parameter water quality meter. The pump and water quality meter were cleaned in clean water and Alconox soap followed by a clean water rinse between wells.

4.5 Soil Vapor Characterization

4.5.1 Purpose

In May 2015, HES installed and sampled soil vapor probes at twelve locations identified in the RIWP. In August 2015, six additional soil vapor probes were installed following the NYSDEC's review of draft data from the initial twelve soil vapor probes. The soil vapor sampling was performed in accordance with the NYSDEC-approved RI Work Plan and the October 2006 New York Department of Health (NYSDOH) Soil Vapor Guidance document. The soil vapor point locations are shown on **Figure 3**.

4.5.2 Methodology

A total of eighteen (18) soil vapor probes designated VP-1 through VP-18 were installed and soil vapor samples were collected in accordance with the approved RIWP and as requested by the NYSDEC.

Each vapor point was installed by advancing a 2.25-inch diameter macrocore to a depth of six feet using a Geoprobe® 54DT. A 1-foot long, 1/4-inch diameter stainless steel soil vapor screen was attached to 1/4-inch (outer diameter) polyethylene tubing and was placed in the borehole with the sample point resting on the bottom of the borehole. A No. 1 silica sand filter pack was then installed in the borehole annulus to prevent clogging of the sample screen. Bentonite chips were placed on top of the filter pack and hydrated with water to create a low permeability seal at the top of the borehole. A soil vapor point construction detail is included on **Figure 4**.

In accordance with October 2006 NYSDOH Soil Vapor Guidance, an inverted plastic pail was used to create a shroud around the top of sample point. Helium gas was introduced into the shroud and the helium allowed to displace the ambient air inside the pail. A peristaltic pump and helium detector were used to evacuate soil vapor from the sample point. The effluent from the soil vapor sample point was screened for the presence of helium to demonstrate that the vapor point was adequately sealed from ambient air.

Prior to sampling, each vapor point was purged at a rate of approximately 200 milliliters per minute for a period of fifteen minutes using a peristaltic pump. The samples were collected using a six-liter, laboratory-certified summa canister. The summa canister was fitted with a pressure gauge, a particulate filter, and a flow controller. The flow controller was pre-calibrated by the laboratory to 0.1 liters per minute (L/min) to collect a composite soil vapor sample over a one-hour time period.

To collect the sample, the polyethylene tubing was attached to the summa canister and the sample valve was opened. The pressure in the canister was checked and recorded to verify that a vacuum had been maintained. Changes in pressure were monitored during the sampling period of one hour to verify proper flow controller calibration and sampling rate. The vacuum remaining in the canister was recorded following the sampling event.

The soil vapor samples collected in the summa canisters were submitted under chain of custody to Phoenix for VOC analyses by USEPA Method TO-15.

4.5.3 Results

Analytical results for the eighteen soil vapor samples are discussed in **Section 7**, **Site Contaminant Characterization**. The laboratory analytical results are summarized on **Tables 4A** through **4C**.

4.6 Surface Soil Sampling Program

As part of the soil investigation, HES collected ten (10) shallow surface soil samples to a depth of 2 inches below grade, after removing vegetative cover. Soil samples were collected using a steel spade at the ten locations. The samples were sent for laboratory analysis as outlined below. Sampling locations are shown on **Figure 3**. PID field readings and soil descriptions are included in **Table 1**.

4.6.1 Purpose

The surface soil sampling program was conducted to evaluate the extent of organic/inorganic contamination in the shallow soil material at the surface of the Site. The surface soil data collected was used to evaluate potential human health risks.

4.6.2 Methodology

Soil samples were collected from the uppermost 2 inches of soil from about an 18-inch diameter area using a decontaminated steel spade. The shallow samples were placed into laboratory provided glass jars and submitted under chain of custody to York for TCL VOCs, SVOC, PCBs, TAL Metals and cyanide analyses. The surface soil sampling locations are shown on **Figure 3**.

4.6.3 Results

Analytical results of the surface soil samples are discussed in **Section 7**. Laboratory analytical results are summarized on **Tables 6A** and **6B**.

4.7 Groundwater Sampling Program

4.7.1 Purpose

Groundwater samples were collected from the six (6) wells installed during the RI and from the three (3) existing wells that were installed during Phase II ESA activities. The purpose of the groundwater sampling program was to characterize groundwater quality

beneath the Site in the former quarry fill material.

4.7.2 Methodology

Groundwater samples were collected from nine (9) monitoring wells following the installation and development conducted in May 2015. An electric water level indicator was used to measure the depth to water in each well prior to sampling. The wells were then purged following low flow methods using an inertial pump (MW-1 through MW-3) or a submersible pump and flow through cell (MW-4 through MW-9). Samples were collected for TCL VOCs, SVOCs, TCL pesticides, and PCBs. During groundwater sampling, field parameters including temperature, pH, conductivity, dissolved oxygen and turbidity were collected and monitored using a Horiba multi-parameter water quality meter to ensure that a representative groundwater sample was collected from each well after the water quality parameters stabilized.

4.7.3 Results

Analytical results for the groundwater sample is discussed in detail in **Section 7, Site Contaminant Characterization**. Laboratory analytical results are summarized on **Tables 3A** and **3B**.

5. Hydrogeologic Evaluation

5.1 Introduction

The geology and hydrogeology of the Former Marble Quarry Landfill Site is described herein using data from previous Site investigations, hydrogeologic reference literature, and the most recent information collected from the soil borings and monitoring wells completed during the February through May 2015 Remedial Investigation.

The RI investigation consisted of the completion and sampling of a total of thirteen (13) soil borings, eighteen (18) soil vapor sampling locations, ten (10) surface soil samples, and nine (9) monitoring wells at the Site. **Figure 3** shows the location of all sampling points. Geologic Logs completed for the Remedial Investigation are provided in **Appendix E**.

5.2 Site Geology

In general, subsurface conditions at the Site consist of fill materials underlain by fine to

coarse grained sand with trace to little silt and trace fine to medium gravel (till). Boring depths ranged from 8 feet to 85 ftbg during the Site investigation. The fill and till material are underlain by competent marble bedrock.

Fill Materials - Fill materials consist of cinders, ash, concrete, construction and demolition debris, metal (car parts) and miscellaneous debris that was historically disposed at the Site. Fill ranges from eight feet to nearly 90 feet in thickness across the former quarry Site, and a thin mantle of till overlying bedrock was encountered with depth in areas outside the backfilled quarry. Geologic cross sections were constructed across the Site using the subsurface information gathered during the RI at three locations in an east-west and north-south direction. Transect locations are shown on **Figure 3** and are included on **Figures 5** through **7**.

The geologic cross-sections compiled from the test boring data show the vertical extent of the fill material at the Site. The deepest area where the backfill was encountered was at test boring location TB-6 in the south central portion of the Site, where the material was observed to extend to 85 ftbg. The fill material appears to taper off, or become thinner beneath the Site from south to north as is indicated on Cross-Section B-B' (**Figure 6**) where fill material at the western side of the Site in the vicinity of TB-9 was only 12 to 15 feet thick. Additionally, the transverse Cross-Section C-C' (**Figure 7**) clearly illustrates the thinning of the fill material from south to north across the Site where fill thickness ranged from 85 ft thick on the south end of the Site at TB-6 to approximately 16 ft thick at test boring location TB-9. The geologic cross sections for the Site are included on **Figures 5** through **7**.

5.3 Site Hydrogeology

Depth to groundwater was measured in Site monitoring wells on May 11, 18 and 21, 2015. The depth to water measurements were referenced to the surveyed top of casing elevation for each well and the groundwater elevation was calculated. The groundwater monitoring and elevation data are summarized on **Table 7**.

Groundwater

Groundwater beneath the Site was observed at varying depths that ranged from 17.87 ftbg at MW-9 on May 11, 2015 to 34.51ftbg at MW-7 on May 21, 2015. Based on water level monitoring data, it appears that groundwater is located in two separate units: (1) the quarry fill material; and (2) the fractured marble bedrock beneath the Site. Monitor wells MW-2, MW-7, MW-8 and MW-9 are bedrock wells that measured the depth to water in the marble unit. This is evidenced by the extreme variability in groundwater elevation

across the Site. Groundwater elevation data for May 11 and 21, 2015 is plotted on **Figure 8**. The groundwater elevation on the northern third of the Site was between 127 ft and 132 ft in monitor wells MW-3, MW-8 and MW-9, while groundwater elevation on the southern two thirds of the Site ranged from 111 ft to 118 ft. Therefore, given the data set to date, it is difficult to contour the groundwater elevation data. However, the observed topography at the Site dictates that groundwater flow in both the fill and bedrock units is to the south/southwest as indicated by the arrows on **Figure 8**.

6. Data Validation/Usability

Environmental samples were collected for the Site soil, groundwater and soil vapor media during the Remedial Investigation sampling events, as summarized above in **Section 4**. All analyses were performed by Phoenix Environmental Laboratories of Manchester, Connecticut in accordance with the protocols required by Part 365 Tier II.

Phoenix analyzed the soil, groundwater, and soil vapor samples collected by HES.

Environmental Data Services, Inc. (EDS) of Williamsburg, Virginia, and Premier Environmental Services of Merrick, New York, both qualified data validators, performed third-party validation of the soil vapor quality data, soil and groundwater analytical results. The data validation was conducted in accordance with the guidelines established by NYSDEC's Data Usability Summary Review (DUSR) process. The DUSR process was performed to provide a determination of whether the data meets the project specific criteria for data quality and data use.

Laboratory data summary forms were reviewed by the validator for application of validation qualifiers, per the USEPA Region 2 validation SOPs and the USEPA National Functional Guidelines for Data Review, with consideration of the requirements of the project Work Plan. The following criteria were reviewed:

- Laboratory narrative discussions
- Case narratives
- Custody Documentation
- Holding times
- Surrogate and internal standard recoveries
- Matrix spike recoveries/duplicate correlations
- Field duplicate correlations
- Preparation/calibration blanks
- Matrix spiked blanks/laboratory control samples
- Calibration/CRI/CRA standards

- ICP interference check standards
- ICP serial dilution correlations
- Method compliance
- Sample result verification

Data Review Reports were prepared for sample delivery groups (SDGs) and are attached to this report as **Appendix D**. The Data Review Reports provide copies of the laboratory analytical results and descriptions of the criteria used to review the laboratory results and supporting quality control documentation. As referenced in the tabulated summary tables in report Section 3, Section 7 and Form 1's in **Appendix D**, all data packages were deemed usable by the data validator. The usability of the data, as assessed by the data validator is presented in detail in the following sections. With the exception of historical investigation data, the data summary tables presented in **Section 7** and **Appendix E** of the report use analytical results that have been validated, and when used in conjunction with historical data, provide the basis for Site evaluation and recommendations. A discussion of validated analytical results for qualified environmental media is presented below.

The soil samples were analyzed for full TCL VOCs, TCL SVOCs, TAL metals, and cyanide. The nine (9) groundwater samples collected at MW-1 through MW-9 were submitted for TCL VOCs, TCL SVOCs, TCL Pesticides and PCBs.

A duplicate sample and field and trip blanks were collected for the groundwater sampling event. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected for all media sampled except for soil vapor.

Soil samples collected from RI soil borings were analyzed for TCL VOCs, TCL SVOCs, TAL metals, PCBs and cyanide at all subsurface soil test boring locations. The twenty-five (25) test boring soil samples collected were analyzed for TCL VOCs and SVOCs, TCL PCBs, TAL Metals, and cyanide. A duplicate sample and field and trip blanks were collected during the deep soil sampling program.

6.1 Validated Surface Soil Results

The April 2015 surface soil sampling event consisted of one SDG, identified as GBJ07743. This SDG consisted of 10 surface soil samples, one duplicate sample, and field and trip blanks.

All samples collected and received by the laboratory during the April 2015 sampling event were received within the allowable temperature range for cooler packed samples (between two and six degrees centigrade) established by the NYSDEC-ASP.

Established holding times for extraction and analysis were met for all samples. No additional issues were identified regarding sample receipt or holding times for the April SDGs. The surface soil data was deemed suitable for decision making purposes for this BCP site.

6.2 Validated Subsurface Soil Results

The March 2015 subsurface soil sampling event consisted of five (5) SDGs, identified as GBJ04209, GBJ03570, GBH82998, GBH79483 and GBH78390. These SDG packages consisted of 25 surface soil samples, one matrix spike and matrix duplicate sample, and field and trip blanks.

All samples collected and received by the laboratory during the March 2015 sampling event were received within the allowable temperature range for cooler packed samples (between two and six degrees centigrade) established by the NYSDEC-ASP. Established holding times for extraction and analysis were met for all samples. No additional issues were identified regarding sample receipt or holding times for the subsurface soil SDGs. The subsurface soil data was deemed suitable for decision making purposes for this BCP site.

6.3 Validated Groundwater Results

Groundwater samples were also collected and analyzed for VOCs, SVOCs, pesticides, and PCBs. The May 2015 groundwater sampling events consisted of two SDGs, identified as GBJ20803 and GBJ121609. The SDGs consisted of a total of nine (9) monitor wells plus a field and trip blank, matrix spike and matrix spike duplicates were obtained for QA/QC purposes.

All samples collected and received by the laboratory during the May sampling event were received in good condition under intact custody seals. Established holding times from collection to analysis were met for all samples. Internal QC checks that included standard recoveries and calibration checks were within acceptable range criteria.

Duplicate samples were collected from monitor wells MW-5 and MW-9 and the two samples contained comparable detections of specific compounds. No additional issues were identified therefore, no data qualifiers were necessary for groundwater analytical results. Thus, the groundwater data was deemed suitable for decision making purposes for this BCP site.

6.4 Validated Soil Vapor Results

The May and August 2015 soil vapor sampling events consisted of three SDGs, identified as GBJ18696, GBJ22295 and GBJ1714. The SDGs consisted of a total of eighteen (18) summa canisters plus a field duplicate sample obtained for QA/QC purposes. The soil vapor samples were analyzed for VOCs by US EPA Air Toxics Method T0-15.

All samples collected and received by the laboratory during the May, August and December sampling event were received in good condition under intact custody seals. Established holding times from collection to analysis were met for all samples. Internal QC checks that included standard recoveries and calibration checks were within acceptable range criteria.

The duplicate sample was collected from sampling point VP-5 and the two samples contained comparable detections of specific compounds. No additional issues were identified therefore, no data qualifiers were necessary for soil vapor analytical results. Thus, the soil vapor data was deemed suitable for decision making purposes for this BCP site.

7. Site Contaminant Characterization

7.1 Introduction

The nature and extent of contamination at the Former Marble Quarry Landfill Site was characterized through collection and analysis of surface and subsurface soil/fill, groundwater, and soil vapor samples as part of this Remedial Investigation. Sampling methodologies were performed in accordance with the NYSDEC and NYSDOH-approved RIWP for the Former Marble Quarry Landfill Site (HES, 2014) and in compliance with DER-10. Sampling protocols and methodologies for each sampled media are described in **Section 4.0** of this report. Subsurface soil/fill and groundwater samples collected during the RI sampling events completed during February through December 201 were submitted for analyses under chain-of-custody to Phoenix. Soil vapor samples collected during the investigation were also submitted for analyses under chain-of-custody to Phoenix. Services provided by the laboratory were performed in accordance with the most current SW-846 and ASP2000 analytical methods and protocols. **Appendix D** contains raw analytical data (Form 1's) for each sample analyzed for this RI. Tabulated analytical data summarized in this section includes sample results from the most recent data collected by HES.

Sampling locations and frequency of collection were based on observed Site conditions

and review of the historical environmental data described in **Section 3**. Sampling locations for all media are provided on **Figure 3**. Subsurface soil/fill samples were ultimately collected from a total of (13) subsurface and ten (10) surface investigation soil borings.

The recent RI included collection of eighteen (18) soil vapor samples, twenty-five (25) subsurface soil samples, ten (10) surface soil samples and eleven (11) groundwater samples from nine (9) permanent groundwater monitoring wells. Analytical results that included both historic and 2015 investigation data were utilized for Site contaminant characterization purposes. The results are discussed in this section and are presented in **Tables 3** through **6** and **Sections 7.1** through **7.4**.

Analytical results for the investigations were compared to the following standards and criteria:

- Subsurface and surface soil/fill data were compared to the NYS Recommended Soil Cleanup Objectives (Track 1 Unrestricted and Track 2 Restricted Residential) (NYSDEC 6 NYCRR Part 375-6.8(a-b), 2006).
- Groundwater data were compared to NYSDEC Class GA groundwater standards and guidance values (Ambient Water Quality Standards [AWQS]), (6 NYCRR Part 360) (NYSDEC, 1998).
- As stated in Section 3.2.5 of the October 2006 New York State Department of Health Soil Vapor Guidance Document ("NYSDOH Guidance Document"), New York State does not have any standards, criteria or guidance values for concentrations of VOCs in subsurface vapors.

7.2 Subsurface Soil Vapor

VOC vapors were detected at all eighteen (18) soil vapor sampling locations. The VOCs that are included in the NYSDOH Guidance Document Vapor Matrices; namely, vinyl chloride, carbon tetrachloride, 1,1,1-trichloroethane, tetrachloroethylene (PCE), cis-1,2 dichloroethene and trichloroethylene (TCE) were all detected at the Site. However, since there are no on-Site structures, no indoor air and sub-slab sampling was conducted.

As indicated on **Tables 4A** through **4C**, widespread and numerous soil vapor detections were observed at all eighteen soil vapor sampling points. The maximum VOC concentrations detected from the 18 soil vapor samples collected across the Site included dichlorodifluoromethane at a concentration of 173,000 micrograms per cubic meter (µg/m^3) in VP-15, 1,2-dichlorotetrafluoroethene at a concentration of 344,000 µg/m^3 in

VP-15, and trichlorofluoromethane at a concentration of 198,000 µg/m^3 in VP-16. In addition, VOCs associated with petroleum hydrocarbons including benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) were detected, and are pervasive throughout the Site. While no specific soil vapor criteria exist in New York State to compare these specific compounds detected in subsurface soil, the collective soil vapor results indicate that the historic disposal of waste material has impacted the soil vapor across the Site, and remedial engineering controls will need to be incorporated into any proposed building, including a soil vapor barrier and vapor mitigation system such as an active, negative air pressure sub-slab depressurization system (SSDS), to mitigate the potential for vapor migration through and into on-Site structures. The subsurface soil vapor sampling results are summarized on **Tables 4A** through **4C** and the sampling locations are shown on **Figure 3**.

Vapor Intrusion Pathway Assessment

The NYSDOH guidance document compares sub-slab soil vapor and indoor air sample concentrations of VOCs in order to evaluate the potential for soil vapor intrusion to impact the indoor air quality of structures. Based on the concentrations of VOCs (including TCE and PCE) detected in soil vapor at the Site, the human health assessment discussed in **Section 8** includes a soil vapor intrusion pathway. Additionally, given the pervasive presence of VOCs in the soil vapor across the Site, vapor mitigation measures (i.e.: sub-slab depressurization system) will need to be considered as part of the proposed future remedy.

7.3 Surface Soil Results

Chemical analyses of ten (10) surface soil samples collected at the Site during the 2015 RI identified select SVOCs (i.e. PAHs) and metals at concentrations that exceed NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs). The 2015 RI samples were collected across the Site randomly at a sampling depth of 0-0.17 ftbg to provide Site-wide coverage as shown on **Figure 3**. PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, and chrysene were detected above UUSCOs. Sampling locations SS-2, SS-6, SS-7 and SS-8 revealed exceedances of the UUSCOs for PAHs. Specifically, benzo(a)fluoranthene exceeded the applicable UUSCO at surface soil sampling locations SS-2, SS-107 and SS-6 through SS-8, and benzo(a)pyrene, benz(a)anthracene and chrysene exceeded the applicable UUSCOs at SS-8.

Metals were detected above applicable UUSCOs at surface soil sampling locations SS-1 through SS-3, SS-6 and SS-8. Copper exceeded the UUSCO at soil sampling locations SS-1 through SS-3. Lead exceeded the UUSCO at sampling locations SS-2, SS-3, SS-

6 and SS-8. Mercury and zinc exceeded the UUSCO at surface sampling locations SS-2 and SS-3.

With the exception of acetone, often a laboratory artifact, VOCs were not detected in surface soil samples at concentrations in excess of any NYSDEC SCOs. It is important to note, however, that acetone was also found in a number of subsurface samples described below, and not in any quality control blanks, therefore, acetone may be a contaminant of concern at the Site and not attributable to laboratory conditions. The surface soil sampling analytical data are summarized on **Tables 6A** through **6B** and the sample locations are shown on **Figure 3.**

A summary of surface soil detections above UUSCOs is provided below:

- Acetone 1 detection of 0.37 milligrams per kilogram (mg/kg) (UUSCO of 0.05 mg/kg)
- Benzo(a)anthracene 1 detection of 1.9 mg/kg (UUSCO of 1 mg/kg)
- Benzo(a)pyrene 1 detection of 1.9 mg/kg (UUSCO of 1 mg/kg)
- Benzo(b)fluoranthene 5 detections ranging from 1.1 mg/kg to 2.9 mg/kg (UUSCO of 1 mg/kg)
- Benzo(k)fluoranthene 1 detection of 0.99 mg/kg (UUSCO of 0.8 mg/kg)
- Chrysene 1 detection of 1.6 mg/kg (UUSCO of 1 mg/kg)
- Indeno(1,2,3-cd)pyrene 1 detection 0.52 mg/kg (UUSCO 0.5 mg/kg)
- Copper 3 detections ranging from 51.1 mg/kg to 64.5 mg/kg (UUSCO of 50 mg/kg)
- Lead 4 detections ranging from 69.1 mg/kg to 181 mg/kg (UUSCO of 63 mg/kg)
- Mercury 2 detections ranging from 0.23 mg/kg to 0.24 mg/kg (UUSCO of 0.18 mg/kg)
- Zinc 3 detections ranging from 159 mg/kg to 212 mg/kg (UUSCO of 109 mg/kg)
- The Restricted Residential SCOs (RRSCOs) were not exceeded for any VOCs.

7.4 Subsurface Soil Results

Chemical analyses of twenty-five (25) subsurface soil samples collected at the Site identified VOCs, SVOCs, metals and PCBs at concentrations that exceed NYSDEC UUSCOs.

The subsurface soil samples were collected from borings advanced during the RI drilling program. Analytical results for the subsurface soils collected by HES are summarized in **Tables 5A** through **5E**.

Volatile Organic Compounds (VOCs)

As shown on the summary **Tables 5A** through **5E**, VOCs were detected in subsurface soil samples at concentrations in excess of UUSCOs. Concentrations of acetone in excess of the applicable UUSCO were detected at test boring locations TB-3 (2-4 ftbg), TB-4 (24-26 ftbg and 30-32 ftbg), TB-6 (6-8 ftbg), TB-9 (7-9 ftbg), TB-12 (4-6 ftbg and 28-30 ftbg) and TB-13 (26-28 ftbg). Benzene was detected above the applicable UUSCO at test boring TB-6 (6-8 ftbg). Toluene was detected above the applicable UUSCO at test boring locations TB-6 duplicate (6-8 ftbg) and TB-7 (10-12 ftbg). Total xylenes were detected above the UUSCO at test boring locations TB-6 duplicate (6-8 ftbg) and TB-10 (32-34 ftbg).

The Restricted Residential SCOs (RRSCOs) were not exceeded for any VOCs.

A summary of subsurface soil VOC detections above UUSCOs is provided below:

- Acetone 11 detections ranging from 0.052 mg/kg to 0.25 mg/kg (UUSCO of 0.05 mg/kg)
- Benzene 3 detections ranging from 0.2 mg/kg to 1.8 mg/kg (UUSCO of 0.06 mg/kg)
- Ethylbenzene 1 detection of 1.2 mg/kg (UUSCO of 1 mg/kg)
- Toluene 2 detections ranging from 0.77 mg/kg to 1 mg/kg (UUSCO of 0.7 mg/kg)
- Xylenes 3 detections ranging from 0.309 mg/kg to 4.5 mg/kg (UUSCO of 0.26 mg/kg)

SVOCs

SVOCs were detected in soil samples collected during the February through May 2015 RI drilling and sampling program (**Tables 5A** through **5E**). Seven (7) SVOCs identified as PAHs were detected in the subsurface soil at concentrations in excess of NYSDEC Residential SCOs.

Review of **Tables 5A** through **5E** indicates the following:

- Elevated concentrations of benzo(a)anthracene exceeding the RRSCO of 1 mg/kg were identified in soil samples collected at soil borings TB-2 (18-20 ftbg), TB-6 (4-8 ftbg), TB-9 (2-4 ft), TB-9 (7-9 ft), TB-10 (4-6 ftbg and32-34 ftbg), TB-11 (4-6 ftbg and 21-23 ftbg) TB-12 (4-6 ftbg) and TB-13 (4-6 ftbg).

- Elevated concentrations of benzo(a)pyrene determined to exceed the applicable RRSCO of 1mg/kg were identified in the soil samples collected at eight (8) of thirteen (13) soil boring locations including TB-2, TB-6, TB-8, TB-9, TB-10, TB-11,

TB-12 and TB-13 where concentrations ranged from 2mg/kg at TB-9 (7-9 ftbg) to 8 mg/kg at TB-11 (21-23 ftbg). The concentration of this compound at TB-11 exceeds Commercial SCOs (CSCOs).

- Benzo(b)fluoranthene was detected above the applicable RRSCOs at nine (9) soil sampling locations including test borings TB-2, TB-5, TB-6, TB-8, TB-9, TB-10, TB-11, TB-12 and TB-13. Concentrations of benzo(b)fluoranthene ranged from 2.3mg/kg at TB-12 (4-6 ftbg) to 6.4 mg/kg at TB-13 (4-6 ftbg). The concentration of this compound at TB-13 exceeds CSCOs.

- Elevated concentrations of chrysene exceeding the RSCOs of 1 mg/kg were identified in soil samples collected at soil sampling locations TB-2, TB-6 and TB-9 through TB-13 with concentrations ranging from 1.2 mg/kg at TB-9 (7-9 ftbg) to 6 mg/kg at TB-3 (2-4ftbg).

A summary of subsurface soil SVOC detections above UUSCOs is provided below:

- Benzo(a)anthracene 11 detections ranging from 1.2 mg/kg to 5.9 mg/kg (UUSCO of 1 mg/kg)
- Benzo(a)pyrene 11 detection ranging from 1.2 mg/kg to 5.6 mg/kg (UUSCO of 1 mg/kg)
- Benzo(b)fluoranthene 11 detections ranging from 1.2 mg/kg to 7.7 mg/kg (UUSCO of 1 mg/kg)
- Benzo(k)fluorathene 6 detections ranging from 0.88 mg/kg to 2.5 mg/kg (UUSCO of 0.8 mg/kg)
- Chrysene 11 detections ranging from 1.2 mg/kg to 6 mg/kg (UUSCO of 1 mg/kg)
- Dibenza(a,h)anthracene ranging from 0.39 mg/kg to 0.79 mg/kg (UUSCO of 0.33 mg/kg)
- Indeno(1,2,3-cd)pyrene 6 detections ranging from 0.66 mg/kg to 2.7 mg/kg (UUSCO 0.5 mg/kg)

Metals

Based on the twenty-five (25) subsurface soil/fill samples collected during the RI, select TAL metals were detected at concentrations that exceed the UUSCOs, and in some cases, the RRSCOs as well. A comparison of analytical data with SCO criteria for metals is presented in **Tables 5A** through **5E**. Based on elevated concentrations of metals that exceed regulatory guidelines and background criteria, the following observations were made.

- Concentrations of chromium exceeded the applicable UUSCO at test boring locations TB-3, TB-4, TB-6 and TB-10. Chromium concentrations ranged from 35 mg/kg at TB-6 (6-8 ftbg) to 85 mg/kg at TB-10 (32-34 ftbg) which also exceeded the RRSCO (30 mg/kg).

- Elevated concentrations of lead that exceed the applicable UUSCO were identified at soil borings TB-2, TB-4, TB-6, TB-7, TB-10, TB-11 and TB-12. Concentrations of lead ranged from 162 mg/kg at TB-7 (6-8 ftbg) to 589 mg/kg at TB-4 (30-32 ftbg) which also exceeded the RRSCO (400 mg/kg).

- Mercury exceeded its UUSCO at TB-4, TB-6, TB-7, TB-9, TB-10 and TB-13. Concentrations of mercury ranged from 0.2 mg/kg at TB-6 (6-8 ftbg) to 0.57 mg/Kg at TB-10 (32-34 ftbg).

- Other metals including copper and zinc exceeded their applicable UUSCOs at multiple sampling locations across the Site.

A summary of subsurface soil metals detections above UUSCOs is provided below:

- Arsenic 3 detections ranging from 3.12 mg/kg to 3.29 mg/kg (UUSCO 13 mg/kg).
- Barium 3 detections ranging from 576 mg/kg to 1,750 mg/kg (UUSCO of 350 mg/kg).
- Cadmium 3 detections ranging from 3.12 mg/kg to 3.29 mg/kg (UUSCO of 2.5 mg/kg).
- Chromium 12 detections ranging from 33.2 mg/kg to 84.7 mg/kg (UUSCO of 30 mg/kg).
- Copper 16 detections ranging from 60.7 mg/kg to 649 mg/kg (UUSCO of 50 mg/kg).
- Lead 16 detections ranging from 82.8 mg/kg to 745 mg/kg (UUSCO of 63 mg/kg).
- Mercury 11 detections ranging from 0.2 mg/kg to 2.5 mg/kg (UUSCO of 0.18 mg/kg).
- Nickel 3 detections ranging from 35 mg/kg to 62 mg/kg (UUSCO of 30 mg/kg).
- Silver 3 detections ranging from 3.02 mg/kg to 6.45 mg/kg (UUSCO of 2 mg/kg).
- Zinc 17 detections ranging from 146 mg/kg to 5,500 mg/kg (UUSCO of 109 mg/kg).

The analytical data summarized in **Tables 5A** through **5E** depicted on the sample

location map shown on **Figure 3,** identified elevated concentrations of selected heavy metals (chromium, lead, and mercury) in excess of NYSDEC UUSCOs and RRSCOs. Concentrations of metals that consistently exceeded regulatory standards were identified in soil samples across the majority of the Site.

Polychlorinated Biphenyls

PCB (Aroclor) 1248 was detected in the soil sample collected at borehole location TB-7 (10-12 ftbg) at 1.3 µg/kg. PCB Aroclor 1260 was detected at concentrations exceeding the RRSCO of 1000 µg/kg at test boring locations TB-4 (24-26 ftbg) at a concentration of 1,100 µg/Kg. Additionally, PCB Aroclor 1260 was also detected at TB-10 (4-6 ftbg and 32-34 ftbg) at 190 µg/kg and 130 µg/kg, respectively, exceeding the UUSCO of 100 µg/kg.

7.5 Groundwater Sample Results

Groundwater samples were collected and analyzed from nine (9) permanent monitor wells, which comprised the Site monitoring well network during the 2015 RI. Groundwater data for monitoring wells MW-1 through MW-9 is considered to be representative of Site-wide groundwater conditions. Monitor wells MW-2, MW-7, MW-8 and MW-9 are screened in the marble bedrock unit.

The laboratory analytical results for groundwater samples are summarized on **Tables 3A** and **3B**. The groundwater laboratory analytical results were tabulated and compared to the NYSDEC Technical & Operation al Guidance Series 1.1.1 for Class "GA" Ambient Water Quality Standards (AWQS). The data identified concentrations of VOCs, SVOCs, pesticides, and PCBs that exceeded the AWQS.

Volatile Organic Compounds (VOCs)

As shown on **Tables 3A** and **3B**, five (5) VOCs (benzene, dichlorodifluoromethane, isopropylbenzene, trichloroethylene (TCE), tetrachloroethene (PCE) and trichlorofluoromethane) were detected in the groundwater samples at concentrations that exceeded the applicable AWQS (5 µg/L for all except benzene, which has a standard of 1 µg/L) during the May 21 and 22, 2015 RI sampling event. Benzene was detected in monitor well MW-9 at a concentration of 1.1 µg/L. Dichlorodifluoromethane was detected above the AWQS at monitor wells MW-2 and MW-7 at concentrations of 8.9 µg/L and 14 µg/L. Isopropylbenzene was detected above its AWQS at MW-3 at a concentration of 5.8 µg/L. PCE was detected above the AWQS in monitor wells MW-8 and MW-9 at concentrations of 480 µg/L and 8.1 µg/L, respectively. Trichloroethene was detected above its AWQS at monitor well MW-8 at a concentration of 47 µg/L.

SVOCs

The results of groundwater sampling and analysis for SVOCs indicated that nine (9) different compounds (PAHs) were detected in the groundwater beneath the Site in excess of their respective its AWQS. These compounds include 2,4-dimethy;phenol, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(h)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, pyrene and phenol. The most prevalent PAHs detected in groundwater beneath the Site included benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, which were detected in all but two of the wells, MW-2 and MW-8. Additionally, chrysene was also pervasive in the groundwater, and was detected in all but two wells (MW-2 and MW-8). The other five (5) PAHs detected in the groundwater were scattered randomly in wells across the Site. The results of SVOC analysis are summarized on **Tables 3A** and **3B**.

Pesticides

Concentrations of pesticides including 4,4' DDD, 4,4' DDE and Dieldrin were detected in the groundwater beneath the Site. The pesticide 4,4' DDD was detected in monitor wells MW-5 and MW-7 at concentrations of 0.038 and 0.097 µg/L, respectively. The pesticide 4'4DDE was detected in monitor wells MW-4, MW-5, MW-6 and MW-7at concentrations of 0.021, 0.051, 0.025 and 0.097 µg/L, respectively. These values exceed their respective AWQS standards of 0.01 µg/L for each of these compounds. Dieldrin slightly exceeded its AWQS of 0.01 µg/L at monitor well MW-5 at a concentration of 0.012 µg/L. The results of pesticide groundwater analysis are summarized on **Tables 3A** and **3B**.

PCBs

Concentrations of Aroclor 1260 was detected in MW-1 and MW-7 at concentrations of 0.31 µg/L and 0.34 µg/L, respectively. The groundwater AWQS standard for Aroclor 1260 is 0.09 µg/L.

8. Human Health Evaluation

This section presents a qualitative evaluation of the potential for exposure and adverse human health effects associated with contaminants detected in sampled environmental media at the Site. The human health evaluation (HHE) supports the BCP RI performed at the Site from February through August 2015.

As shown on **Figures 1** and **2**, the Site is 3.45 acres located along the west side of Marbledale Road. The Site is currently bordered to the north, east and south by

commercial buildings including a brewery, an auto body shop, a gym and martial arts studio and a large storage facility. The area to the west of the Site is occupied by residential buildings.

8.1 Overview

Although qualitative, the HHE follows the four-step process typically used to assess potential human health risk. This consists of:

Data Evaluation: relevant investigation sample data are compiled and evaluated to determine the usability of the data and to select contaminants of potential concern (COPC) representative of the environmental conditions at the Site that may cause potential human health risks.

Exposure Assessment: actual and/or potential chemical release mechanisms and migration pathways are evaluated and potentially exposed human populations, possible exposure pathways, and potential exposure routes are identified.

Toxicity Assessment: qualitative toxicity information is presented for each COPC identified for the Site.

Risk Characterization: the potential for adverse human health effects, in terms of both non-carcinogenic hazard and carcinogenic risk, is evaluated, currently and for the future scenario, in the absence of remedial action. The uncertainties associated with this qualitative evaluation are also briefly discussed.

8.2 Data Evaluation

The data evaluation focuses on the compilation of useable analytical data to assess the potential for human exposure and the selection of COPC.

Surface and subsurface soil/fill samples, soil vapor, and groundwater samples were collected at the Site in accordance with the *Brownfield Cleanup Program Remedial Investigation Work Plan, Former Marble Quarry Landfill Site* (RI Work Plan) (HydroEnvironmental Solutions, Inc., November 2014). In addition, historical surface and subsurface soil/fill, and groundwater data are available from the following investigations performed at the Site:

- Phase II ESA for 109-125 Marbledale Road Tuckahoe, New York (April, 2013).
- Phase I ESA 109-125 Marbledale Road Tuckahoe, New York (June 2013).
- Additional Phase II ESA for 109-125 Marbledale Road Tuckahoe, New York (October 2013).

A brief summary of these prior investigations, and their pertinent findings, is presented in **Section 3** of this RI Report. RI data sets for the samples collected from February 2015 through August 2015 are presented in **Appendix D** of this report. Additional Groundwater data results provided by NYSDEC is available in **Appendix C**. Data summary tables, which include the RI data, were organized to facilitate the data evaluation for this HHE. The data summary tables also present the screening criteria used to select COPC or to evaluate the detected concentrations in each environmental medium, as discussed below. This process identifies those COPC which, if present in elevated concentrations may pose a potential for human health effects.

Selection of Media of Concern: The RI performed in 2015 revealed the thickness of the waste fill layer ranges from 21 to 85 feet across the Site in the former marble quarry, and up to 8 feet outside the former marble quarry area. Surface and subsurface soil/fill were identified as environmental media of concern because they are or may become, in the future, readily accessible to human contact if left uncapped. Soil vapor was identified as an environmental medium of concern because of the potential for VOCs detected in contaminated soil/fill or groundwater to migrate into the soil vapor (air spaces in the soil). This contaminated soil vapor in turn may move into overlying structures (e.g. future redevelopment) and affect the indoor air quality. **Tables 4** through **6** present a list of all available surface and subsurface soil/fill and soil vapor samples included in the data evaluation for this HHE. **Figure 3** depicts all of the sampling locations at the Site.

Selection of COPC: The following sub-sections describe the surface soil/fill, subsurface soil/fill, and soil vapor data, and identify the COPC in each environmental medium.

COPC in soil/fill were selected by comparing the maximum detected chemical concentrations to the NYSDEC SCOs for unrestricted land use, restricted residential, and restricted commercial use in the NYSDEC regulations at 6 NYCRR Part 375-6.8(a-b), 2006. The SCOs are chemical-specific, risk based concentrations in soil derived to be protective of receptors (adults and children) in buildings on the Site. The SCOs consider the ingestion, inhalation, and dermal contact exposure routes and are based on an excess lifetime cancer risk of 10^6 (i.e., one in a million) and a non-cancer hazard quotient of 1 based on the different number of hours per day occupied by residents (24/7) vs. commercial occupants (8). The SCOs also consider background concentrations of chemicals in rural soils and maximum acceptable levels of chemicals in soils (e.g., the soil saturation concentration). Contaminants with maximum detected concentrations greater than the corresponding SCOs were selected as COPC. Contaminants without a corresponding SCO were also selected as COPCs if above 50 ppm. Inorganic chemicals regarded as essential nutrients (i.e., calcium, magnesium, potassium, and sodium) are included in **Table 8**, however these inorganic chemicals were categorically eliminated as COPC.

New York State does not have criteria or established guidance values to evaluate standalone concentrations of VOCs in soil vapor. Since the NYSDOH does not advocate the use of a risk-based, screening level approach for evaluating soil vapor data, and there are presently no set standards in New York State for soil vapor, all detected VOCs in soil vapor were considered as COPC. However, with no specific criteria to compare detected concentrations to, any potential exposure to detected VOCs will be mitigated for future proposed construction through sub-slab depressurization systems. Thus, the HHE tables did not include the results of soil vapor analysis.

8.2.1 Surface Soil/Fill

For the purposes of this HHE, surface soil/fill is identified as samples collected between the depths of 0-2 inches below ground surface (bgs). Ten total soil/fill samples collected at the Site were from within the 0-0.17 foot depth range (see **Table 8**).

Table 8 presents a summary of the 10 surface soil/fill samples (plus duplicate) for the Site, with the frequency of detection and range of detected concentrations for each detected chemical. The ten (10) surface soil/fill samples collected in April 2015 were analyzed for TCL VOCs, SVOCs, and TAL metals and PCBs.

The following contaminants were selected as COPC in surface soil/fill:

- SVOCs – benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene.
- Metals – copper, lead, mercury, and zinc.

8.2.2 Subsurface Soil/Fill

For the purposes of this HHE, subsurface soil/fill is identified as samples collected at depths greater than 2 feet bgs. The soil/fill data set summarized on **Table 8** is composed of the following samples:

- Twenty-five (25) soil samples collected from February through May 2015, all of which were analyzed for TCL VOCs, TCL SVOCs, TAL Metals, cyanide and PCBs.

Table 8 presents a summary of all soil/fill data for the Site, with the frequency of detection and range of detected concentrations for each detected contaminant. The screening criteria are the NYSDEC's SCOs for unrestricted use, residential use and restricted residential use for soil (NYSDEC, 2006).

The following contaminants were identified as COPC in subsurface soil/fill:

- VOCs – acetone, benzene, toluene, and total xylenes.
- SVOCs – benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.
- PCBs – Aroclor 1248 and Aroclor 1260.
- Metals – barium, lead, nickel, mercury, silver, and zinc.

8.2.3 Soil Vapor

A total of 18 soil vapor samples were collected at the Site and analyzed for VOCs using EPA Method TO-15.

Tables 4A through **4C** presents a summary of the soil vapor data detections and concentrations for each detected VOC. Thus, the results summarized on **Tables 4A** through **4C** are not compared to any specific soil vapor criteria. Soil vapor results will be used as a screening tool to select appropriate vapor mitigation measures in relation to the future proposed development at the Site.

8.2.4 Groundwater

Groundwater is included as an environmental medium of concern in this HHE, because of the potential for soil vapor intrusion to occur due to the detections in groundwater of VOCs and SVOCs. However, human exposure to the contaminated subsurface groundwater is unlikely. Potable drinking water is provided to the Site, residences in the area, and all building occupants in the vicinity of the Site by the Village of Tuckahoe. In addition, the depth to groundwater at the Site ranges from 18 to 33 ftbg at the Site. At this depth, it is not expected that construction/utility workers would have direct contact exposure to groundwater at these depths during future construction or excavation activities.

8.3 Exposure Assessment

Table 8 presents a summary of the COPC in surface and subsurface soil. The objective of the exposure assessment is to estimate the type of and potential for human exposure to the COPC that are present in, or migrating from, the environmental media of concern identified in **Section 8.2** in a manner that can impact human health. The exposure assessment consists of the consideration of human populations that have the potential for exposure to conditions at the Site, currently and in the future, and an analysis of the pathways and routes by which receptors may be exposed to COPC at the Site.

The exposure assessment is based on Site visits and collected field data that was conducted from February through August 2015, and is facilitated through the development of a conceptual Site model (CSM), presented in **Figure 10**. The CSM is a graphic illustration that outlines chemical source areas, release mechanisms, environmental media that currently show or may show the presence of chemicals in the future, possible exposure pathways to potentially exposed human populations, and potential exposure routes. It considers current Site conditions and surrounding land use, as well as the most likely future conditions and land use based on the proposed redevelopment of the Site.

Planned redevelopment of the Site is a commercial development consisting of a multi-story hotel building with parking and a restaurant and associated parking. The majority of the Site will be covered by concrete slab, concrete sidewalks, or asphalt driveways and parking lots. Some landscaped areas are planned at this time along Marbledale Road and around and between the proposed buildings. These will be designed as vegetative cap areas in accordance with BCP requirements and will be covered with two feet of clean soil cover as required by DER-10 and applicable regulations for soil cover. **Figure 9** shows the proposed development plan along with all sampling locations.

8.3.1 Potential Human Receptors

8.3.1.1 Current/Future No Remediation/No Development Scenario

The current/future no remediation/no development scenario addresses the current Site conditions that may exist into the future, in the event that no Site redevelopment or Site remediation occur. Based on current Site conditions and surrounding land uses in the vicinity of the Site, the following potential human receptor populations were identified:

- Trespassers: adults and children who may physically access the Site.

- Off-Site Residents: adults and children who may live in the residential structures located adjacent to the Site's western boundaries.

- Off-Site Commercial Occupants: parties who occupy the adjacent commercial properties on a temporary basis each day.

Based on the RI findings, trespassers may be exposed to surface soil contaminants through dermal contact with and incidental ingestion of COPC. The proposed development project will cap the Site and eliminate this exposure pathway but the current uncapped landfill surface enables this exposure pathway to exist.

Based on the RI findings, soil vapor data indicates that there is a potential for soil vapor intrusion to occur at the adjacent commercial buildings to the east. As noted on the Site plans included herein, the occupants of off-site commercial buildings located to the east of the site may be potentially exposed to COPCs that may have migrated off-site, or there may be an existing off-site source of soil vapors. The potential exposure to COPC is summarized by population type by the adjacent residential population is unlikely is summarized on **Table 12**.

8.3.2 Exposure Pathways

Contaminant release mechanisms, in the absence of remedial action, which are used in determining potential exposure pathways from COPC in environmental media of concern to potential human receptors at the Site, are summarized in **Table 9**. Potentially complete exposure pathways are noted, with descriptions justifying their inclusion.

8.3.2.1 Future with Remediation and Redevelopment Scenario

The following exposure scenarios were evaluated based on the planned future commercial redevelopment of the Site and Site remediation. The future scenario includes foreseeable events such as construction and long term Site maintenance activities.

Construction and Utility Workers: During future post remediation and redevelopment improvements to the Site and long term post development maintenance of the Site by construction and utility workers, the following exposure pathways are identified as potentially complete during any subsequent subsurface excavation activities:

- Dermal contact with and incidental ingestion of COPC; inhalation of volatile and particulate COPC in subsurface soil/fill but these exposures can be controlled with implementation of the construction health and safety plan and the post construction Site Management Plan.

On-Site Occupants: Since the future redevelopment of the Site includes space for commercial use, Site workers and occupants are expected to be present. The majority of the Site will be covered by the Site-wide cap including concrete slab, concrete sidewalks, and asphalt for parking.

Therefore, Site workers and occupants would not have any direct contact with COPC in surface or subsurface soil/fill. There will also no longer be an exposure pathway for the inhalation of VOCs in soil vapor since this exposure pathway will be eliminated as a result of vapor mitigation engineering controls that prevent migration of contaminated vapors into indoor air in future on-Site buildings.

Off-Site Commercial Occupants: After the future remediation and redevelopment of the Site, which will include the Site-wide cap and active vapor mitigation SSDS, the active on-Site vapor mitigation systems will ventilate/remove any contaminated soil vapor from underneath the buildings to prevent the indoor air quality from being affected by the contamination in soil vapor beneath the structure.

Off-Site Residents: As noted above, based on the distance and elevation change between the Site and the residences located along the western site boundary, exposure to these off-Site structures to the west is not likely.

8.4 Toxicity Assessment

For each COPC, critical non-carcinogenic and carcinogenic health effects, for oral and inhalation exposures, are presented in **Table 10** and **Table 11**, respectively. The critical health effects presented are those used by the USEPA (2008) to derive reference doses and reference concentrations (to assess the potential for chronic non-carcinogenic health effects) and slope factors (to assess carcinogenic risk), which are typically used in the quantification of human health risks

8.5 Risk Characterization

Based on Site conditions, observations, and the fact that the Site will be redeveloped, the likelihood of exposure and the potential for adverse human health effects are discussed for the identified receptor populations, below. The potential for exposure is classified as "Not Expected", "Possible", or "Likely". **Table 12** provides a summary of the qualitative HHE.

8.5.1 Current/Future No Remediation/No Development Scenario

The potential for exposure to COPC via the pathways and routes described in **Section 8.3** is discussed below for each receptor population identified in the Current/Future No Remediation/No Development scenario, under the assumption that there will be no remediation and no Site redevelopment. Based on current Site conditions and land use, the potential human receptor populations are trespassers and off-Site residents.

Trespasser:

Dermal contact with and incidental ingestion of COPC; inhalation of particulate COPC in surface soil/fill (site-wide)

COPC have been identified in surface soil/fill and in subsurface soil/fill. There is field evidence that trespassing occurs on this site (e.g.: presence of a vegetable garden).

Therefore, dermal contact with and incidental ingestion of COPC in surface soil/fill and subsurface soil/fill, and inhalation of particulate COPC adsorbed to fugitive dust released from surface soil/fill, are possible.

Inhalation of volatile COPC that migrate from soil vapor to indoor air

VOCs were detected in soil vapor samples, and all detected VOCs were considered COPC in soil vapor. However, at present, the Site is vacant with no occupied structures. Therefore, inhalation exposure to VOCs in soil vapor that migrates to indoor air via soil vapor intrusion on the Site is not possible at the present time given that there are no on-Site structures. However, as noted above, adjacent commercial buildings to the east could potentially be impacted by VOCs in soil vapor.

Off-Site Residental and Commercial Occupants:

Inhalation of volatile COPC that migrate from soil vapor to indoor air of off-Site residences

Off-Site residences and commercial properties are located directly west and across Marbledale Road to the east of the Site. Based on soil vapor results, the elevation change, and distance from the Site to the nearest residences located west and east of the Site, it is unlikely that soil vapor will migrate off-Site in those directions. The potential for soil vapor intrusion in off-site buildings will be evaluated.

8.5.2 Future Scenario No Remediation

The potential for exposure to COPC via the pathways and routes described in Section 8.3 is discussed below for each receptor population identified in the future scenario, under the assumption that there will be redevelopment but no remediation at the Site. Based on the planned redevelopment of the Site for commercial use, the following human receptor populations for the future scenario are: construction and utility workers, Site workers, on-Site guests and patrons, and off-Site residents.

Construction and Utility Workers:

Dermal contact with and incidental ingestion of COPC; inhalation of particulate COPC in surface soil/fill

Site improvement and maintenance-related excavation or grading work could lead to contact with surface soil/fill. Therefore, dermal contact with and incidental ingestion of COPC in surface soil/fill, and inhalation of windblown or mechanically driven COPC adsorbed to fugitive dust released from surface soil/fill, are likely. Such exposure would

be minimized by the implementation of a site specific Health and Safety Plan during the construction/maintenance period.

Dermal contact with and incidental ingestion of COPC; inhalation of volatile and particulate COPC in subsurface soil/fill

Site improvement and maintenance-related excavation or grading work could lead to contact with subsurface soil/fill. Therefore, dermal contact with and incidental ingestion of COPC in subsurface soil/fill, and inhalation of volatile and windblown or mechanically driven COPC adsorbed to fugitive dust released from subsurface soil/fill, are likely. Such exposure would be minimized by the site HASP during construction and maintenance period.

Site Workers:

Inhalation of volatile COPC that migrate from soil vapor to indoor air of future on-Site buildings

VOCs were detected in soil vapor samples, and all detected VOCs were considered COPC in soil vapor. The planned redevelopment of the Site is for commercial and parking space. Therefore, inhalation exposure by Site workers to VOCs in soil vapor that migrates to indoor air is possible without a vapor barrier incorporated into the foundation systems and the installation and operation of a SSDS.

On-Site Guests/Patrons:

Inhalation of volatile COPC that migrate from soil vapor to indoor air of future on-Site buildings

VOCs were detected in soil vapor samples, and all detected VOCs were considered COPC in soil vapor. The planned redevelopment of the Site is for commercial use and parking. Therefore, inhalation exposure by on- Site guests to VOCs in soil vapor that migrates to indoor air is possible without a vapor barrier incorporated into the foundation systems and a SSDS to create a negative vacuum and ventilate/remove the air beneath any future buildings.

Off-Site Commercial Occupants: As noted above, the RI results reveal that there are soil vapor detections on the property boundary at the off-Site commercial occupants to the east.

Off-Site Resident:

Inhalation of volatile COPC that migrate from soil vapor to indoor air of off-Site

residences

Off-Site residences are located directly west and across Marbledale Road to the east of the Site. Based on soil vapor concentrations listed on **Tables 4A** through **4C**, it is unlikely that a soil vapor plume has migrated off-Site. Additional off-site soil vapor investigations will be conducted to determine the nature and extent of the soil vapor contamination.

8.5.3 Future Scenario Remediation

The potential for exposure to COPC via the pathways and routes described in Section 8.3 will be mitigated in the event remediation occurs in conjunction with the planned project.

Construction and Utility Workers:

Dermal contact with and incidental ingestion of COPC; inhalation of particulate COPC in surface soil/fill

Site improvement and/or maintenance-related excavation or grading work could lead to contact with surface soil/fill. However, implementation of the HASP and CAMP will mitigate these worker impacts during the construction/maintenance period.

Dermal contact with and incidental ingestion of COPC; inhalation of volatile and particulate COPC in subsurface soil/fill

Same as above. In addition, implementation of a long term Site Management Plan, including a Soil Management Plan/Excavation Work Plan, will mitigate impacts to workers performing future subsurface work on the Site by requiring compliance with the health and safety protocols that will protect workers from exposure.

Site Worker:

Inhalation of volatile COPC that migrate from soil vapor to indoor air of future on-Site buildings

VOCs were detected in soil vapor samples, and all detected VOCs were considered COPC in soil vapor. The planned installation of a vapor barrier in the foundation cover system and the installation and operation of a SSDS will mitigate this impact.

On-Site Guests/Patrons:

Inhalation of volatile COPC that migrate from soil vapor to indoor air of future on-Site buildings

VOCs were detected in soil vapor samples, and all detected VOCs were considered COPC in soil vapor. The planned installation of a vapor barrier in the foundation cover system and the installation and operation of a SSDS will mitigate this impact.

Off-Site Residents:

Inhalation of volatile COPC that migrate from soil vapor to indoor air of off-Site residences

Off-Site residences are located directly west and across Marbledale Road to the east of the Site. While the RI has concluded it is unlikely that a soil vapor plume has migrated off-Site in those directions, additional off-site investigations to determine the nature and extent of soil vapor contamination will be conducted.

8.6 Uncertainty Analysis

Uncertainty is inherent in the process of conducting a HHE. In qualitative evaluations, information and assumptions regarding the likelihood, frequency, and magnitude of exposure, and information on the toxicity of the detected chemicals at a Site are used to infer the potential for exposure and health risk. By design, the evaluations rely on simple and conservative assumptions with the sole intent of identifying and eliminating from concern those scenarios that are unlikely to result in exposure and health risk and highlighting those scenarios that, depending on actual circumstances, could possibly result in exposure and health risk. Uncertainty is associated with each component of this process, including environmental sampling and analysis, chemical fate and transport analysis, exposure assessment, and the toxicological information used to characterize potential human health risks. Uncertainty in any of these components could alter the conclusions regarding the likelihood of exposure and health risk for a given receptor population.

8.7 Summary and Discussion

This qualitative HHE provides an indication as to the potential for exposure and adverse human health effects associated with chemicals detected in sampled environmental media at the Site. The evaluation is based on the most relevant potential exposure pathways, the most likely human receptors, and current land use as well as the proposed redevelopment of the Site in the absence of remedial action. **Table 12** provides a summary of the HHE findings.

Based on the comparison of the maximum detected concentration to chemical- and

medium-specific screening values, a number of VOCs, SVOCs, cyanide, PCBs and metals were identified in surface and subsurface soil/fill. In addition, all VOCs detected in subsurface vapor and groundwater samples collected at the Site were identified as COPC.

Trespassers, off-Site residents (adults and children) and off-Site commercial occupants were identified as potential human receptors for the current/future land use scenario, based on the current Site conditions and land uses in the vicinity of the Site. The potential for trespasser exposure to COPC in surface soil/fill on the Site are possible.

Based on the proposed redevelopment of the Site for commercial use, construction/utility workers, Site workers, and on-Site guests/patrons, off-Site residents (adults and children) and off-Site commercial occupants were identified as potential human receptors for the future land use scenario. However, the potential remediation, in conjunction with the planned redevelopment of the Site will mitigate these potential exposures. The majority of the Site will be covered by a concrete slab, concrete sidewalks, or asphalt driveways and parking lots, therefore the dermal exposure pathway will be eliminated. Landscaped areas are planned at this time and will serve as a vegetative cap in accordance with BCP requirements. As such, it is not expected that Site workers or on-Site guests/patrons would directly contact COPC in surface soils. A Site Management Plan will be required to manage residual contaminated subsurface soil/fill to protect future Site workers and on-Site occupants.

The potential for Site workers and on-Site guests/patrons for exposure to volatile COPC in soil vapor that migrates to indoor air of future buildings on the Site is possible, but shall be mitigated by the planned installation of a vapor barrier and cover system and active SSDS. The potential for exposure in off-Site residences located to the west of the property to COPCs in contaminated soil vapor is unlikely, due to the topography of the western site boundary and other site factors.

9. Conclusions and Recommendations

9.1 Conclusions

The Remedial Investigation of the Former Marble Quarry Landfill Site provided an environmental characterization of on-Site soil vapor, surface and subsurface soil/fill and groundwater sufficient to evaluate potential impacts to human health and the environment. A summary of the conclusions drawn from the data presented in this report is provided below by medium evaluated.

9.1.1 Soil Vapor

As indicated on **Tables 4A** through **4C**, widespread and numerous soil vapor detections were observed at all eighteen (18) soil vapor sampling points. The maximum VOC concentrations detected from the 18 soil vapor samples collected across the Site included dichlorodifluoromethane as high as 173,000 g/m^3 (micrograms per cubic meter) in VP-15, 1,2-dichlorotetrafluoroethene as high as 344,000 g/m^3 in VP-15, and trichlorofluoromethane as high as 198,000 g/m^3 in VP-16. While the NYSDOH does not currently have specific soil vapor standards to compare the pervasive soil vapor detection to on an open air Site, the RI has confirmed that widespread soil vapor detections of various contaminants are present beneath the Site.

To be precautionary, the HHE indicated that in the absence of Site capping, installation of a vapor barrier under each planned structure, and the installation and operation of a SSDS (i.e. a negative air pressure system that ventilates contaminated air from beneath a structure). There is potential for exposure to current adjacent commercial occupants. Operation of a SSDS may help prevent off-site migration of soil vapor.

The historic widespread waste disposal at the Site, which created a widespread soil vapor issue, will be managed by the planned remediation and development of the Site, and a Site Management Plan, which will run with the land and will be required to be implemented by all future owners via an environmental easement.

9.1.2 Surface Soil/Fill

Evaluation of analytical results for surface soil/fill samples did not identify many VOCs across the Site. Only acetone exceeded UUSCOs at surface soil sampling location SS-3. Thus, VOCs in the shallow soil (top 0.17 ft) do not appear to be an issue to future Site development. However, the analytical results for SVOCs in the surface soil/fill indicate multiple exceedances of the UUSCOs. Various SVOC exceedances were noted at shallow soil sampling locations SS-2, SS-6, SS-7 and SS-8, with the most common SVOC exceedance being benzo(b)fluoranthene. As noted on **Tables 6A** and **6B**, no exceedances for PCBs were detected in the ten (10) surface soil sampling locations.

Metals in the surface soil/fill were detected in excess of UUSCOs, including copper, iron, lead, mercury and zinc, with the two most toxic metals detected being mercury and lead. Lead in excess of UUSCOs was detected at shallow soil sampling locations SS-2, SS-3, SS-6 and SS-8. Mercury was detected in excess of UUSCOs at sampling locations SS-2 and SS-3.

Trespassers who currently access the Site could be exposed to these contaminated SVOCs and metals in surface soils. Dust migration could also occur. Site capping

through the planned remediation in conjunction with the proposed development will eliminate the exposure pathway to these contaminated surface soils through a Site-wide composite concrete, asphalt and clean soil cover system that will prevent direct exposure and through a long term Site Management Plan (SMP) and Environmental Easement (EE). Future Site occupants and workers will also be protected by this long term cover system and the management of the Site soils through a SMP and EE.

9.1.3 Subsurface Soil/Fill

The laboratory analytical results for VOCs in the subsurface soil indicate that acetone, toluene, total xylenes and ethylbenzene exceeded the UUSCOs at sampling locations TB-1, TB-3, TB-4, TB-6, TB-9, TB-10 and TB-12. The other VOCs detected above UUSCOs were scattered across the Site at single sampling locations. The results of VOC analysis indicate that, with the exception of acetone, these compounds are not a Site-wide pervasive problem, but rather are isolated in a few areas across the Site from historic petroleum use and contamination on the Site.

The laboratory analytical results for SVOCs in the subsurface soil indicate multiple compounds exceeded their respective UUSCOs at test boring locations TB-3, TB-5, TB-6, TB-9, TB-10, TB-11 and TB-12. The majority of these sampling locations had detections of multiple SVOCs (five to seven) in excess of the UUSCOs. Thus, SVOCs are persistent and pervasive in the fill material across the Site and will be consistently dealt with during the proposed redevelopment of the Site. These compounds are found in the fill material at varying depths from shallow (6-8 ftbg) to deep (>32 ftbg). Thus, excavated soil during the proposed development will need to be sampled to ensure the soils meet the proposed SCOs before on-site reuse.

As summarized on **Table 5**, low levels of PCBs were detected in two samples of surface soil at concentrations that were less than the UUSCO of 100 ug/kg. PCBs were detected in subsurface soils at borings TB-4 (24-26 ftbg); TB-7 (10-12 ftbg); and, TB-10 (at 4-6 and 32-34 ftbg) where the UUSCO was exceeded. However, the depth of these PCB exceedances does not pose an exposure risk. In addition, PCBs were found in groundwater samples at MW-1 and MW -7 exceeding standards.

Metals in excess of the UUSCOs, including arsenic, barium, cadmium, chromium, copper, lead and mercury, were detected at numerous subsurface soil sampling locations across the Site. Soil sampling locations TB-1 through TB-4, TB-6, TB-7, and TB-9 through TB-13 all contained various metals above the UUSCOs, including heavy metals such as barium, cadmium, chromium, lead, and mercury. The results of subsurface soil sampling for metals indicate that metals are pervasive and common throughout the fill material at varying depths.

Based on these findings, any excavated soil removed from the Site during the proposed development will need to be properly disposed of as contaminated fill in accordance with all applicable NYSDEC Soil Regulations. Exposure to subsurface soils will be controlled through the proposed remedial cap and the planned SSDS systems, as well as the long term SMP and EE.

9.1.4 Groundwater

The results of the RI field investigation indicate that the former marble quarry is filled with a variety of material including cinders and ash, construction and demolition debris, various metal parts, refuse including rubber and foam, mattress parts, etc. The dumped material is variable in thickness within the former quarry limits and ranges from 85 ft thick on the south central portion of the Site at test boring TB-6, to approximately 16 ft thick at test boring TB-9. Shallow bedrock ranging in depth from 8 to 21 ftbg was encountered outside of the quarry limits, and groundwater was not encountered in fill areas outside of the quarry proper.

- Groundwater flows regionally to the south/southeast in the overlying fill material and in the fractured marble bedrock. Groundwater monitoring on multiple dates indicates that there appears to be two separate groundwater flow regimes - one in the fill material and one in the fractured bedrock. Based on Site topography, groundwater flows to the southeast and south; however, collected groundwater levels from the nine (9) wells could not be contoured due to substantial variability across the Site. Depth to groundwater during the monitoring events ranged from 17 to 35 ftbg. Due to the deep groundwater depths, groundwater is not expected to be encountered during the proposed remedial and redevelopment excavation or foundation installation. Dewatering and/or groundwater pumping and disposal are not anticipated. Groundwater is also not used as a potable source of drinking water in this area. Therefore, the HHE concluded that direct exposure to groundwater is not a risk to any on- or off-Site human receptors. Soil vapor volatilizing from contaminated groundwater will be addressed through the soil vapor controls discussed above.

- VOCs were detected in five of the nine monitor wells at concentrations that, for the most part, slightly exceeded AWQS. During the May 21 and 22, 2015 RI sampling event, five (5) VOCs (benzene, dichlorodifluoromethane, isopropylbenzene, TCE, and trichlorofluoromethane) were detected in the groundwater samples at concentrations that exceeded the NYSDEC AWQS of 5 µg/L for all VOCs detected except benzene, which has a standard of 1 µg/L. However, these VOCs in

groundwater will not pose a risk to future Site occupants as all of the subsurface structures (including stormwater drainage, footings and foundations) will be installed above the water table and below the Site-wide cap. SSDS will mitigate VOCs from contaminated groundwater from entering the soil vapor and affecting indoor air quality of overlying structures. Similarly, SVOCs and pesticides, which were detected in some groundwater samples across the Site, do not pose a risk of exposure to current or future receptors because there is no possibility of direct exposure and these substances are not volatile.

9.2 Recommendations

The recommendations described below are based on the results of the RI, which mandate the implementation of remedial actions when contaminants above the SCOs and other standards are discovered. The RI results confirm that remedial efforts are required at the Former Marble Quarry Landfill Site to be protective of public health and the environment and the proposed commercial development can serve as part of the remedy by serving as the remedial cover system required to prevent certain current exposure pathways from continuing.

Remedial recommendations include:

- Soil Removal - The applicant has not finalized redevelopment plans but the anticipated construction is expected to require the excavation and disposal of a significant volume of surface soils for the installation of subsurface stormwater drainage structures, utility trenches, regrading and foundation structures (i.e.: footings and slabs). The areas where it is likely that soil removal and disposal will be required are shown on **Figure 9**, a proposed future development map overlain on soil and surface soil sampling locations. Soil removed from the site during remedial action will remedy some of the adverse impacts to surface soil, subsurface soil, groundwater, and soil vapor.

- Placement and long term maintenance of a Site-wide cover system, including but not limited to a vapor barrier under proposed occupied structures, and a cap of documented clean soil, asphalt, and concrete materials over the surface of the Site to minimize the potential for exposure to impacted remaining soil/fill, groundwater, and soil vapor.

- Installation of an active SSDS inside on-Site building structures will ventilate/remove the contaminated air underneath the structures to prevent the indoor air quality from being affected by the contaminated soil vapor beneath the buildings.

- A Community Air Monitoring Plan will be incorporated into the site Health and Safety Plan. The intent of the CAMP is to provide a measure of protection for the adjacent, downwind community from potential airborne contaminant releases as a direct result of proposed remedial work activities.

- Development of an excavation management plan (EMP) for dealing with excavated fill/soil material (as well as for the unlikely event that groundwater is encountered) during development activities and when excavating as required to develop the Site and to maintain the Site over the long term following completion of Site redevelopment. The EMP should include health and safety requirements and excavated soil and/or groundwater handling/disposal requirements.

As discussed in the qualitative human health evaluation (HHE) in **Section 8**, implementation of these actions will be protective of human health and the environment.

FIGURES

FIGURE 1
SITE LOCATION MAP

109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK

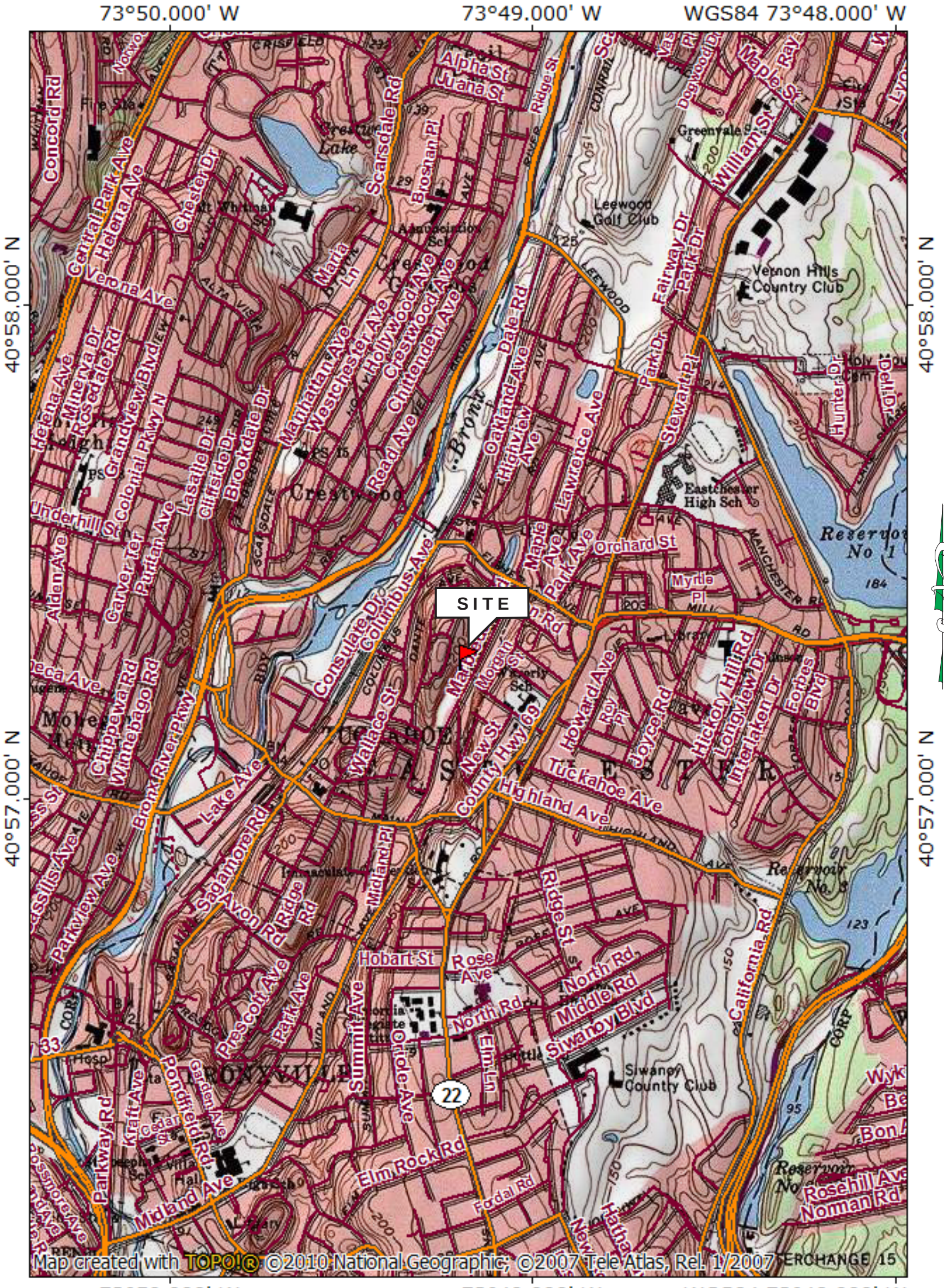
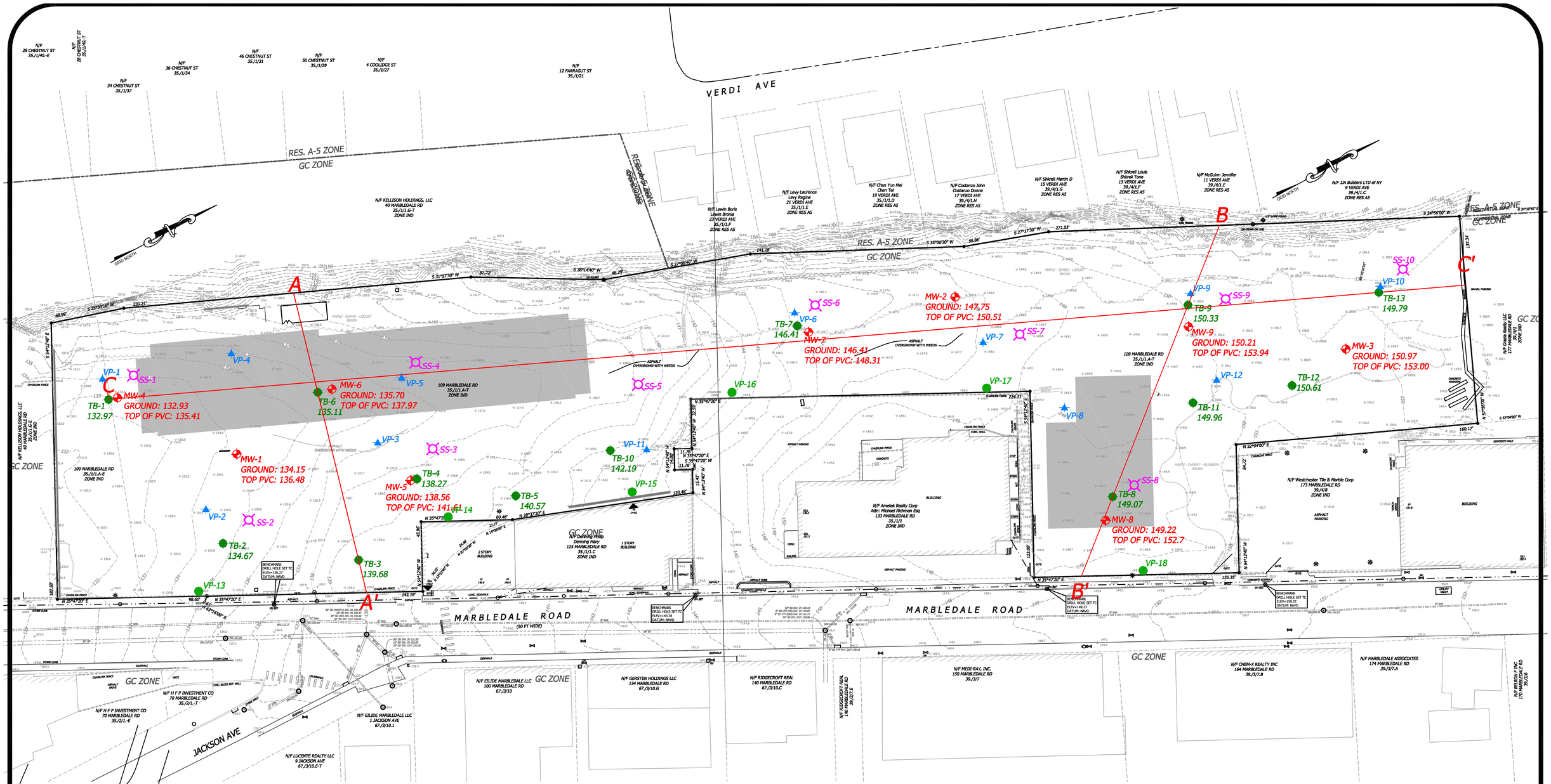

73°50.000' W
73°49.000' W
WGS84 73°48.000' W
40°58.000' N
40°57.000' N
SITE
Marbledale Rd
Crestwood Lake
Leewood Golf Club
Vernon Hills Country Club
Eastchester High Sch
Siwanoy Country Club
Tuckahoe
Bronxville
Scarsdale Rd
Alpha St
Juana St
Ridge St
Dale Rd
Lawrence Ave
Orchard St
Columbus Ave
Consulate Dr
Wallace St
New St
County Hwy 69
Tuckahoe Ave
Highland Ave
Howard Ave
Joyce Rd
Hickory Hill Rd
Longview Dr
Interlaken Dr
Forbes Blvd
Middle Rd
North Rd
Siwanoy Blvd
Elm Rock Rd
Fodal Rd
Midland Ave
Hobart St
Rose Ave
Summit Ave
Prescott Ave
Park Ave
Pondfield Rd
Parkway Rd
Bronx River Pkwy
Lake Ave
Sagamore Rd
Avon Rd
Ridge Rd
Chester Dr
Central Park Ave
Helena Ave
Verona Ave
Concord Rd
Fire Sta
Maria Brown Ln
Broshan Pl
Manhattan Ave
Westchester Ave
Hollywood Ave
Chittenden Ave
Read Ave
Oakland Ave
Highview Ave
Stewart Pl
Park Dr
Fairway Dr
Park Dr
Maple St
William St
Greenvale Cir
Myrtle Pl
Manchester Rd
Reservoir No 1
Reservoir No 3
Hunter Dr
Holy Cross Cem
Consulate Dr
Columbus Ave
Maple Ave
Park Ave
Orchard St
Howard Ave
Morgan St
Wallace St
Lasalle Dr
Cliffside Dr
Brookdale Dr
Grandview Pkwy N
Colonial Pkwy
Underhill St
Garver Ter
Puritan Ave
Alden Ave
Chippewa Rd
Winnebago Rd
Oneca Ave
Mineola Ave
Rosedale Rd
Parkview Ave
Assissi Ave
Garden Ave
Kraft Ave
Cedar St
Midland Pl
Ridge St
Elm Ln
Ogilvie Ave
Summit Ave
Rosehill Ave
Norman Rd
California Rd
Bon Air
Wykagyl
Be
Hosp
Fire Sta
Pub Sch
Cem
Conrail
Dogwood Dr
Ray St
Lyon
Roy Pl
Forbes Blvd
Hickory Hill Rd
Longview Dr
Interlaken Dr
Joyce Rd
Howard



FIGURE 2

109-125 MARBLEDALE ROAD TUCKAHOE, NEW YORK	AERIAL PHOTOGRAPH SHOWING THE SITE AND SURROUNDING AREA	NOT TO SCALE	JULY 2015	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589
		REMEDIAL INVESTIGATION		



SITE PLAN
SCALE: 1" = 30'

FIGURE ADAPTED FROM SURVEY BY MR. MICHAEL W. FINKBEINER

109-125 MARBLEDALE ROAD TUCKAHOE, NEW YORK	SITE PLAN	FIGURE 3	HydroEnvironmental SOLUTIONS, INC One Deans Bridge Road Somers, New York 10589

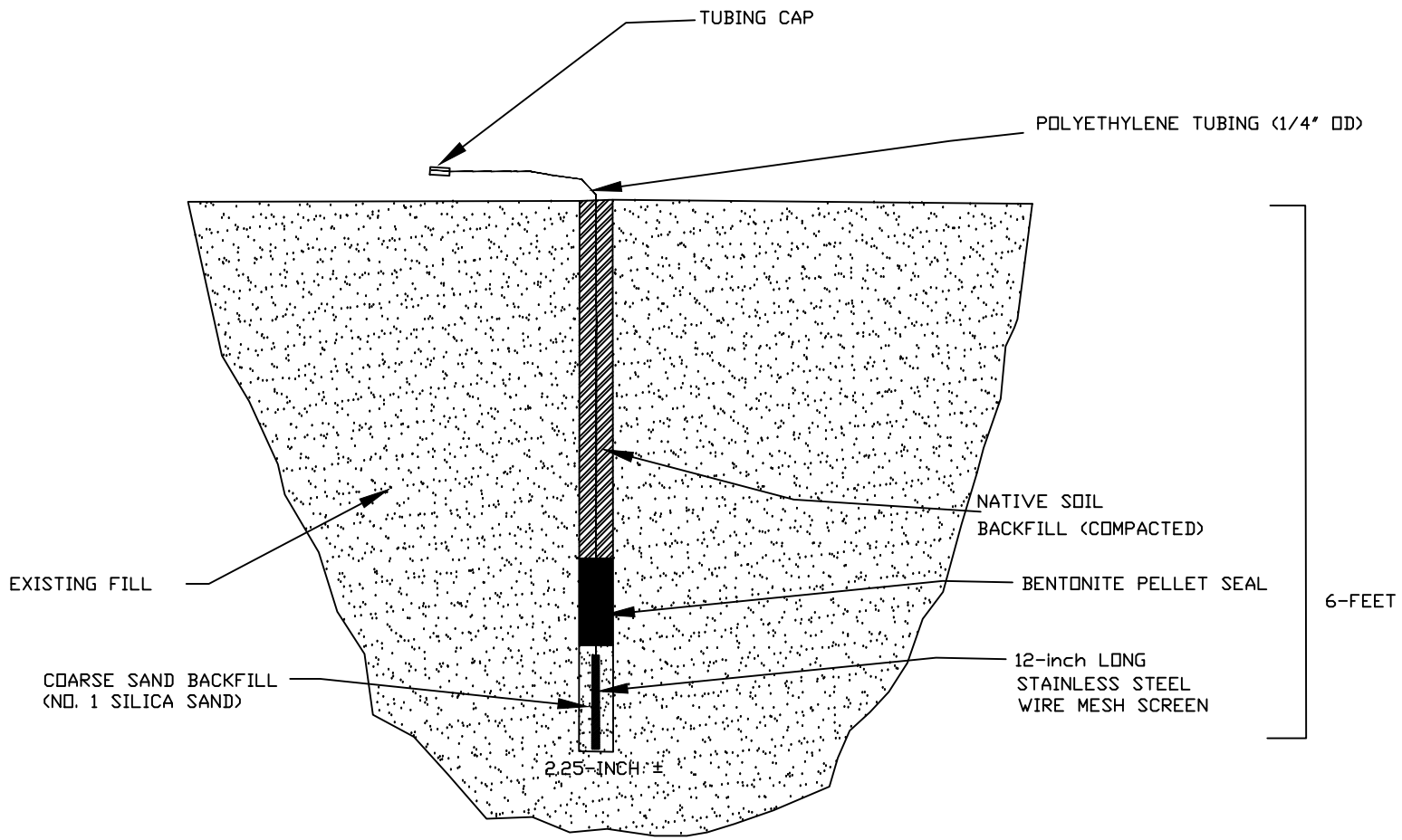


FIGURE NO. 4

HydroEnvironmental SOLUTIONS, INC.
One Deans Bridge Road Somers, New York 10589
(914) 276 - 2560 Fax: (914) 276 - 2664

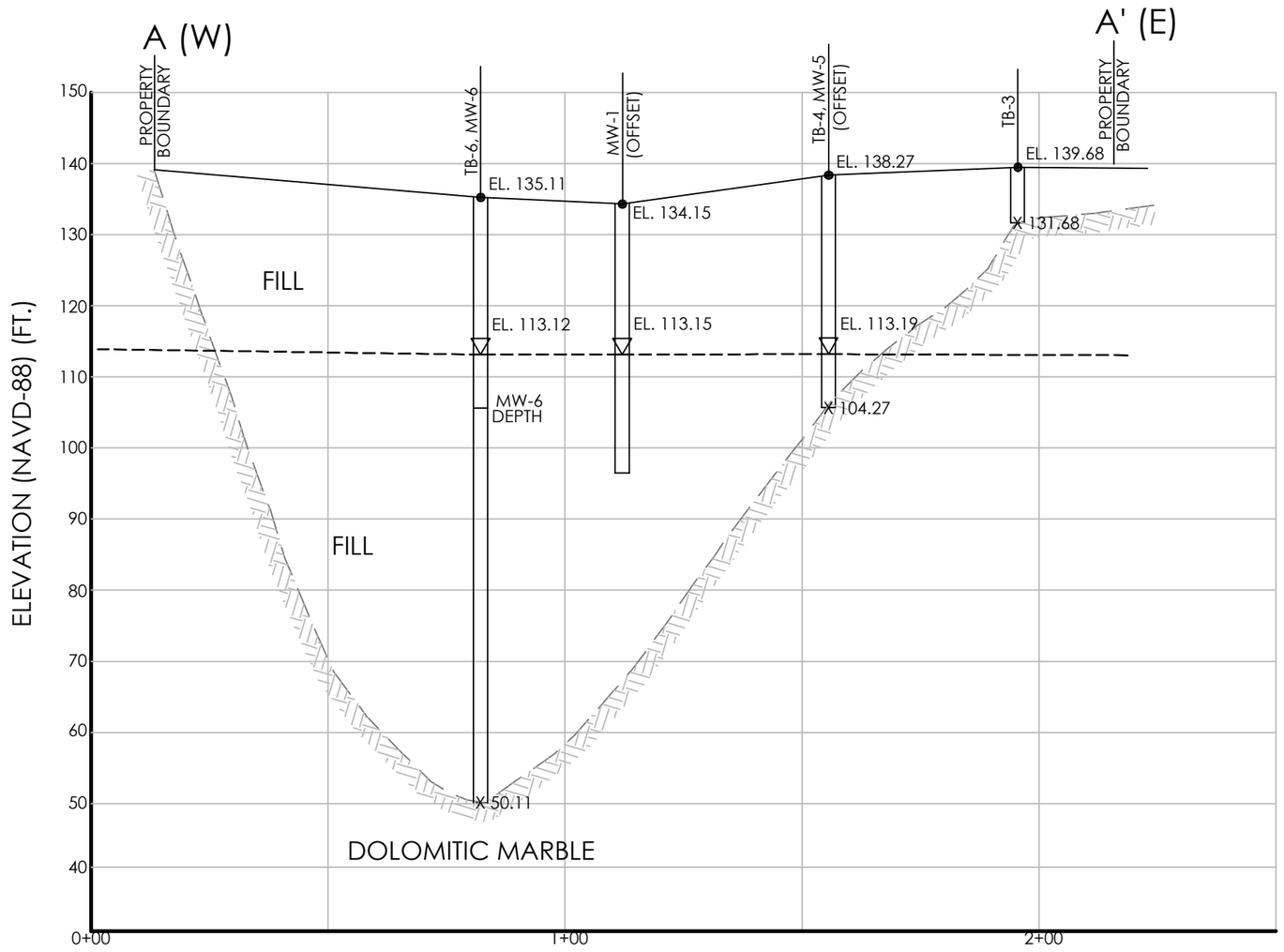
SCALE IN FEET

NOT TO SCALE

DATE: 6/14/15	DRAWN BY: NBK
JOB NO: 127-09.4	REVIEWED BY: TFC

SOIL VAPOR POINT DETAIL
REMEDIAL INVESTIGATION
109 MARBLEDALE ROAD
TUCKAHOE, NEW YORK

CAD FILE No. F:\BROWNFIELDS\109 MARBELEDALE RD\RMEDIAL INVESTIGATION.dwg



PROFILE: SECTION A-A' (FEET)

SCALE: VERT.: 1" = 20'
HORIZ.: 1" = 30'

LEGEND	
●	*GROUND ELEVATION*
———	*GROUND SURFACE*
X	*BEDROCK ELEVATION*
– – –	*BEDROCK SURFACE (ESTIMATED)*
▽	*GROUNDWATER ELEVATION (5/11/15)*
- - - - -	*WATER TABLE (ESTIMATED)*

NOTES:

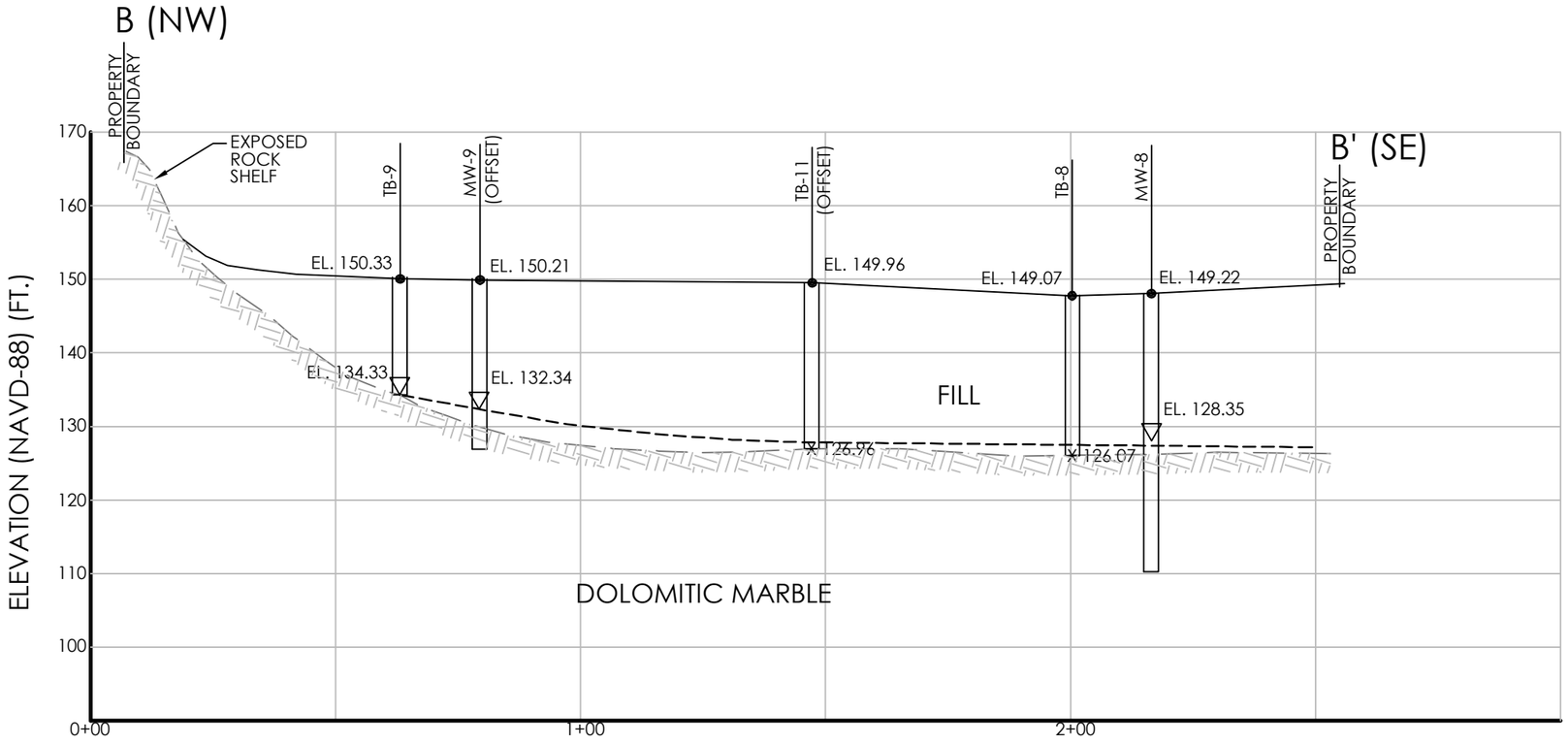
1. DATA CONCERNING SITE STRATIGRAPHY AND GROUNDWATE ELEVATION HAVE BEEN INTERPRETED AT BORING AND WELL LOCATIONS ONLY. THE STRATIGRAPHY BETWEEN BORINGS MAY VARY FROM THAT SHOWN.

2. REFER TO PLAN VIEW FOR SUBSURFACE PROFILE LOCATION. SEE ACCOMPANYING GEOLOGIC LOGS FOR STRATA DETAILS AND MONITOR WELL SPECIFICATIONS.

3. BORINGS INCLUDED ON TRANSECTS ARE OFFSET WHERE NOTED. SEE FIGURE 3 FOR OFFSET DISTANCE AND DIRECTION.

4. FIGURES ADAPTED FROM BASE MAP PROVIDED BY MR. MICHAEL W. FINKBEINER (FIGURE 3). ELEVATIONS ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM - 1988 (NAVD-88) IN FEET.

109-125 MARBLEDALE ROAD TUCKAHOE, NEW YORK	**SECTION A-A'**	**FIGURE 5**	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589



PROFILE: SECTION B-B' (FEET)

SCALE: VERT.: 1" = 20'
HORIZ.: 1" = 30'

LEGEND

- GROUND ELEVATION
- GROUND SURFACE
- X BEDROCK ELEVATION
- BEDROCK SURFACE (ESTIMATED)
- ▽ GROUNDWATER ELEVATION (5/11/15)
- WATER TABLE (ESTIMATED)

NOTES:

1. DATA CONCERNING SITE STRATIGRAPHY AND GROUNDWATER ELEVATION HAVE BEEN INTERPRETED AT BORING AND WELL LOCATIONS ONLY. THE STRATIGRAPHY BETWEEN BORINGS MAY VARY FROM THAT SHOWN.

2. REFER TO PLAN VIEW FOR SUBSURFACE PROFILE LOCATION. SEE ACCOMPANYING GEOLOGIC LOGS FOR STRATA DETAILS AND MONITOR WELL SPECIFICATIONS.

3. BORINGS INCLUDED ON TRANSECTS ARE OFFSET WHERE NOTED. SEE FIGURE 3 FOR OFFSET DISTANCE AND DIRECTION.

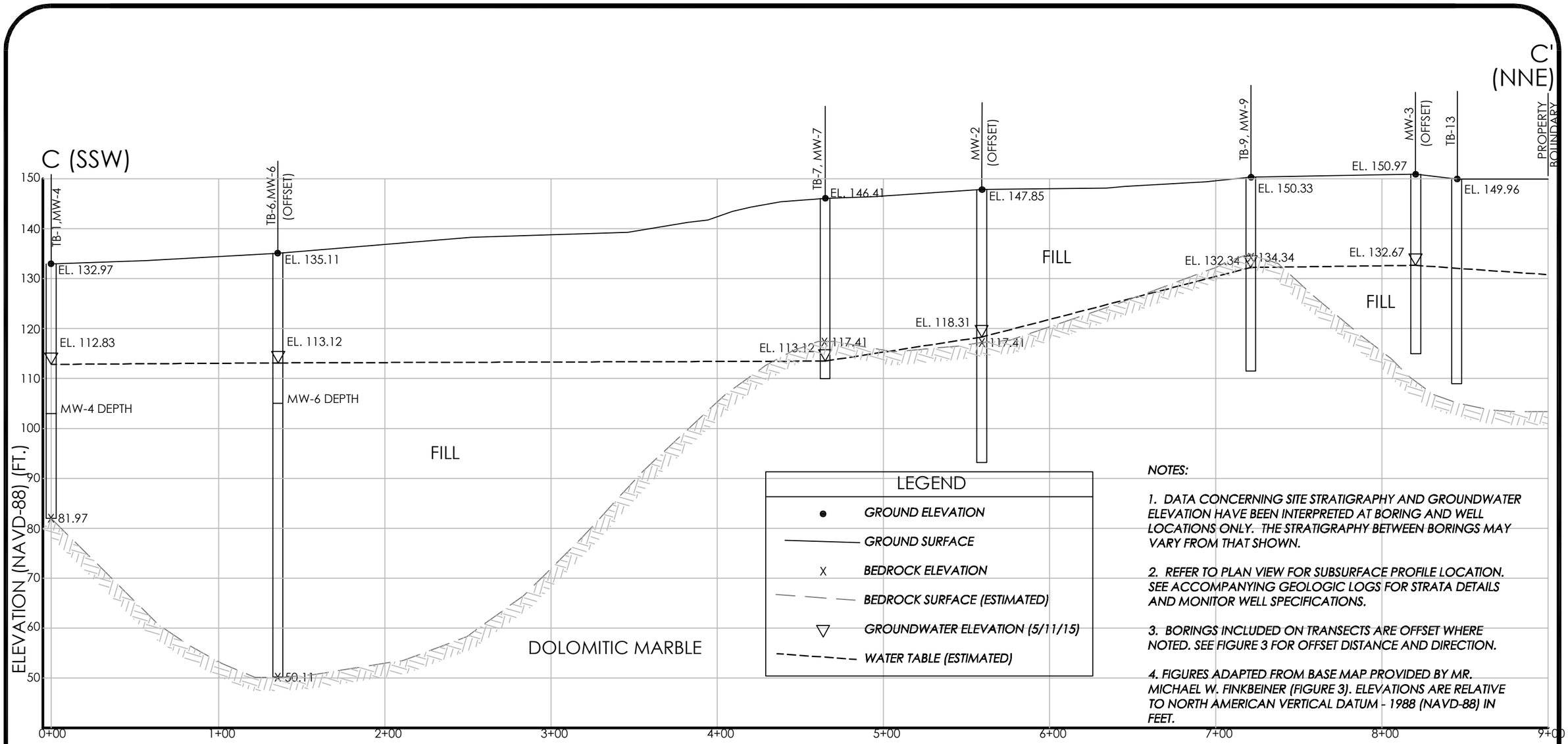
4. FIGURES ADAPTED FROM BASE MAP PROVIDED BY MR. MICHAEL W. FINKBEINER (FIGURE 3). ELEVATIONS ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM - 1988 (NAVD-88) IN FEET.

109-125 MARBLEDALE ROAD TUCKAHOE, NEW YORK

SECTION B-B'

FIGURE 6

HydroEnvironmental SOLUTIONS, INC.
One Deans Bridge Road
Somers, New York 10589



NOTES:

1. DATA CONCERNING SITE STRATIGRAPHY AND GROUNDWATER ELEVATION HAVE BEEN INTERPRETED AT BORING AND WELL LOCATIONS ONLY. THE STRATIGRAPHY BETWEEN BORINGS MAY VARY FROM THAT SHOWN.

2. REFER TO PLAN VIEW FOR SUBSURFACE PROFILE LOCATION. SEE ACCOMPANYING GEOLOGIC LOGS FOR STRATA DETAILS AND MONITOR WELL SPECIFICATIONS.

3. BORINGS INCLUDED ON TRANSECTS ARE OFFSET WHERE NOTED. SEE FIGURE 3 FOR OFFSET DISTANCE AND DIRECTION.

4. FIGURES ADAPTED FROM BASE MAP PROVIDED BY MR. MICHAEL W. FINKBEINER (FIGURE 3). ELEVATIONS ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM - 1988 (NAVD-88) IN FEET.

PROFILE: SECTION C-C' (FEET)

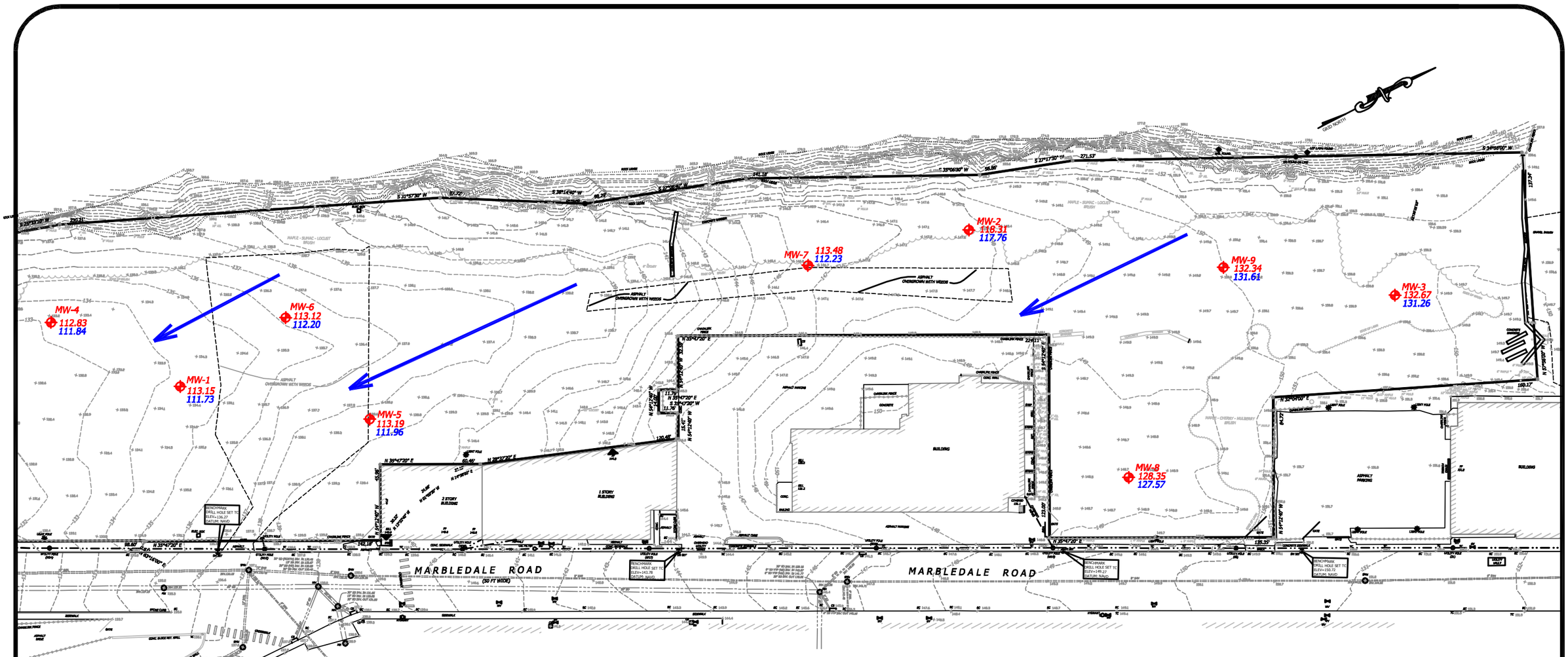
SCALE: VERT.: 1" = 20'
HORIZ.: 1" = 60'

109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK

SECTION C-C'

FIGURE 7

HydroEnvironmental SOLUTIONS, INC.
One Deans Bridge Road
Somers, New York 10589



SITE PLAN

SCALE: 1" = 60'

NOTES:

1. BASE MAP IS ADAPTED FROM FIGURE PROVIDED BY M. MICHAEL W. FINKBEINER (FIGURE 3). ELEVATIONS ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM - 1988 (NAVD-88) IN FEET.

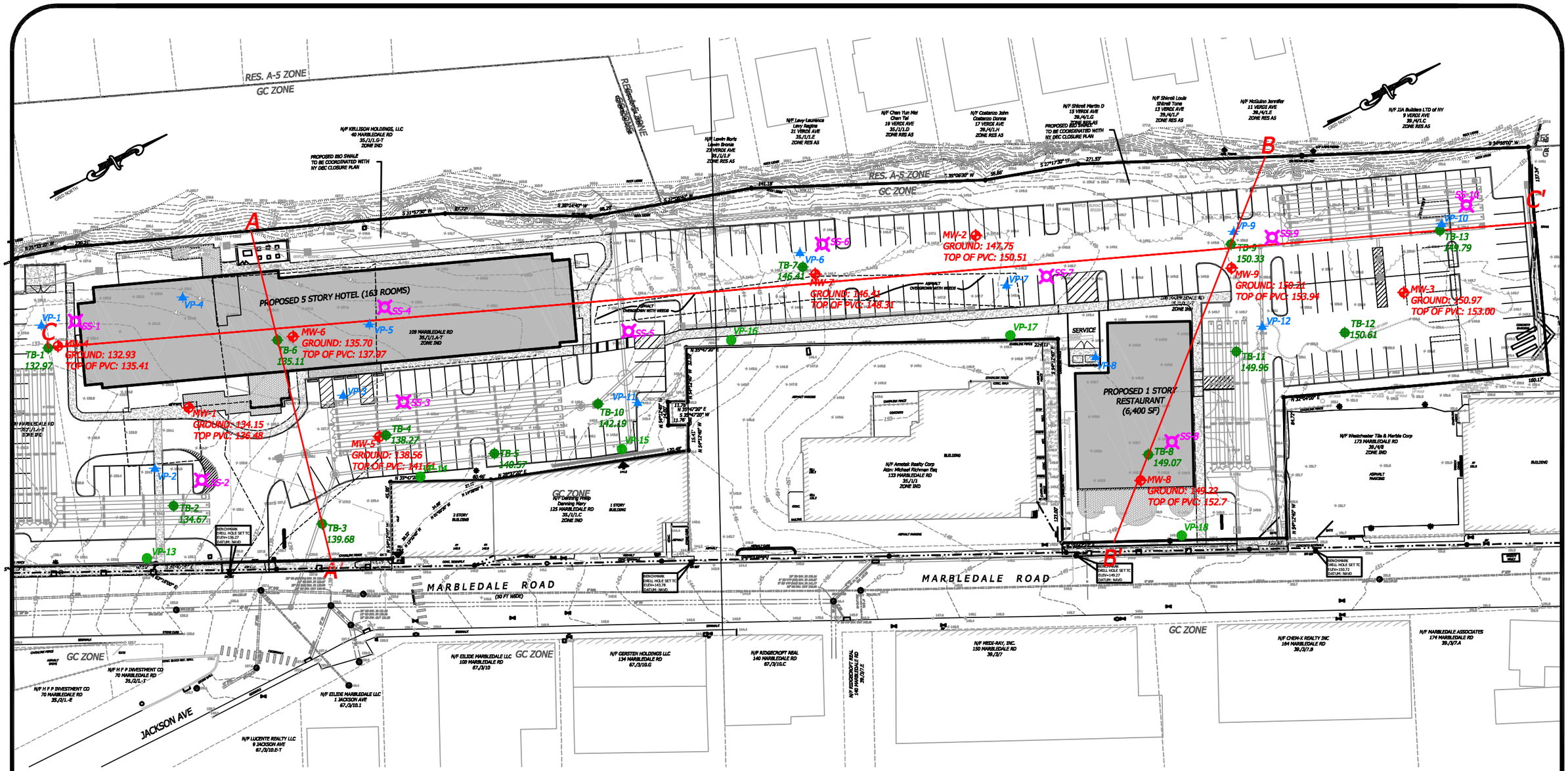
LEGEND	
132.67	GROUNDWATER ELEVATION AS MEASURED ON 5/11/2015
131.26	GROUNDWATER ELEVATION AS MEASURED ON 5/21/2015
←	GENERAL PRESUMED GROUNDWATER FLOW DIRECTION (N TO S)

109-125 MARBLEDALE ROAD TUCKAHOE, NEW YORK

GROUNDWATER ELEVATIONS & GENERAL FLOW DIRECTIONS

FIGURE 8

HydroEnvironmental SOLUTIONS, INC.
One Deans Bridge Road
Somers, New York 10589



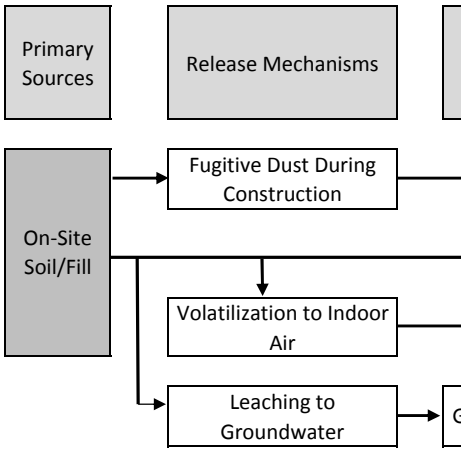
SITE PLAN

SCALE: 1" = 60'

109-125 MARBLEDALE ROAD TUCKAHOE, NEW YORK	**Proposed Development**	**FIGURE 9**	HydroEnvironmental SOLUTIONS, INC. One Deans Bridge Road Somers, New York 10589

Figure 10
Conceptual Site Model

Remedial Investigation
109-125 Marbledale Road
Tuckahoe, New York
Brownfield Cleanup Program #C360143



		Current		Future		
Exposure Media	Exposure Routes	Trespasser	Off-Site Resident	Construction & Utility Worker	Site Worker	On-Site Guests and off-Site Residents
Surface Soil/Fill	Ingestion	x		x		
	Dermal Contact	x		x		
	Inhalation	x		x		
Subsurface Soil/Fill	Ingestion			x		
	Dermal Contact			x		
	Inhalation			x		
Indoor Air	Inhalation				x	x
Groundwater	Ingestion					
	Dermal Contact					
	Inhalation					

LEGEND	
→	= Chemical migration pathway
x	= Potentially complete exposure pathway

TABLES

TABLE 1

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Summary of PID Field Screening Results
Surface Soil Samples
April 23, 2015

Sample No.	Depth	PID Reading	Notes
SS-1	0-2"	ND	Topsoil; brown; dry; no hydrocarbon odor
SS-2	0-2"	0.1	Topsoil; brown; dry; no hydrocarbon odor
SS-3	0-2"	ND	Topsoil; brown; dry; no hydrocarbon odor
SS-4	0-2"	ND	Topsoil; brown; dry; no hydrocarbon odor
SS-5	0-2"	ND	Topsoil; brown; dry; no hydrocarbon odor
SS-6	0-2"	0.1	Topsoil; brown; dry; no hydrocarbon odor
SS-7	0-2"	ND	Topsoil; brown; dry; no hydrocarbon odor
SS-8	0-2"	0.2	Topsoil; brown; dry; no hydrocarbon odor
SS-9	0-2"	ND	Topsoil; brown; dry; no hydrocarbon odor
SS-10	0-2"	ND	Topsoil; brown; dry; no hydrocarbon odor

PID (photoionization detector) readings in parts per million, calibration gas equivalents
Depth in inches below grade

TABLE 2
Summary of Monitor Well Construction Detail

Remedial Investigation
109-125 Marbledale Road
Tuckahoe, New York
BCP #C360143

Well	Location Description	Date Installed	Total Depth (ftbg)	Elevation (Ground Surface)	Elevation (Top of PVC)	Screen Interval (ftbg)	Diameter	Bedrock (Y/N)
2013 Phase II ESA Well Installation								
MW-1	South	11/14/2013	38.06	134.15	136.48	25-40	2"	N
MW-2	West	11/15/2013	54.74	147.85	150.51	27.5-52.5	2"	Y
MW-3	North	11/15/2013	33.6	150.97	153.00	20-35	2"	N
2015 RI Well Installation								
MW-4	Southwest	4/16/2015	28.88	132.93	135.41	19.5-29.5	4"	N
MW-5	Southeast	3/10/2015	34.2	138.56	141.61	26-36	4"	N
MW-6	Southwest	4/16/2015	30.03	135.70	137.97	20-30	4"	N
MW-7	West	4/17/2015	35.4	146.74	148.31	25-35	4"	N
MW-8	Northeast	3/6/2015	36.55	149.22	152.70	26-36	4"	Y
MW-9	North	4/17/2015	23.45	150.21	153.94	15-25	4"	Y

TABLE 3A
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id		BJ21609				BJ21610				BJ21611				BJ20803				BJ20804				BJ20805			
	Collection Date		5/22/2015				5/22/2015				5/22/2015				5/21/2015				5/21/2015				5/21/2015			
	Client Id		MW-1				MW-2				MW-3				MW-104				MW-4				MW-5			
	Matrix		Ground Water				Ground Water				Ground Water				Ground Water				Ground Water				Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles By SW8260C (ug/L)																										
1,1,1-Trichloroethane	71-55-6	5	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
1,1,2,2-Tetrachloroethane	79-34-5	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
1,1,2-Trichloroethane	79-00-5	1	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 1	1	U	0.25	< 1	1	U	0.50	< 1	1	U	0.50
1,1-Dichloroethane	75-34-3	5	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
1,1-Dichloroethene	75-35-4	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
1,2,3-Trichlorobenzene	87-61-6		< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
1,2,4-Trichlorobenzene	120-82-1		< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0	2.0	U	1.0	< 1.0	1.0	U	0.50	< 2.0	2.0	U	1.0	< 1.0	1.0	U	0.50	< 1	1	U	1.0	< 1	1	U	1.0
1,2-Dibromoethane	106-93-4	0.0006	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 1	1	U	0.50	< 1	1	U	0.50
1,2-Dichlorobenzene	95-50-1		< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
1,2-Dichloroethane	107-06-2	0.6	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 0.6	0.6	U	0.25	< 0.6	0.6	U	0.50	< 0.5	0.5	U	0.50
1,2-Dichloropropane	78-87-5	1	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 1	1	U	0.50	< 1	1	U	0.50
1,3-Dichlorobenzene	541-73-1	3	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
1,4-Dichlorobenzene	106-46-7		< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
2-Hexanone	591-78-6	50	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0
4-Methyl-2-pentanone	108-10-1		< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0
Acetone	67-64-1	50	12	10	S	5.0	2.6	5.0	JS	2.5	< 10	10	U	5.0	4.1	5.0	JS	2.5	6.8	10	JS	5.0	10	10	S	5.0
Benzene	71-43-2	1	< 1.4	1.4	U	0.50	< 0.70	0.70	U	0.25	< 1.4	1.4	U	0.50	< 0.70	0.70	U	0.25	< 0.7	0.7	U	0.50	< 0.7	0.7	U	0.50
Bromochloromethane	74-97-5	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Bromodichloromethane	75-27-4	50	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Bromoform	75-25-2	50	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Bromomethane	74-83-9	5	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
Carbon Disulfide	75-15-0		< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Carbon tetrachloride	56-23-5	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Chlorobenzene	108-90-7	5	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
Chloroethane	75-00-3	5	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
Chloroform	67-66-3	7	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
Chloromethane	74-87-3	5	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
cis-1,2-Dichloroethene	156-59-2	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
cis-1,3-Dichloropropene	10061-01-5	0.4	< 0.80	0.80	U	0.50	< 0.40	0.40	U	0.25	< 0.80	0.80	U	0.50	< 0.40	0.40	U	0.25	< 0.5	0.5	U	0.50	< 0.5	0.5	U	0.50
Cyclohexane	110-82-7		< 10	10	U	1.0	< 5.0	5.0	U	0.50	< 10	10	U	1.0	< 5.0	5.0	U	0.50	< 10	10	U	1.0	< 10	10	U	1.0
Dibromochloromethane	124-48-1	50	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Dichlorodifluoromethane	75-71-8	5	< 2.0	2.0	U	0.50	8.9	1.0		0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Ethylbenzene	100-41-4	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Isopropylbenzene	98-82-8	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	5.8	2.0		0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
m&p-Xylene	179601-23-1		< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Methyl ethyl ketone	78-93-3	50	< 10	10	U	5.0	< 5.0	5.0	U	2.5	< 10	10	U	5.0	< 5.0	5.0	U	2.5	< 10	10	U	5.0	< 10	10	U	5.0
Methyl t-butyl ether (MTBE)	1634-04-4		0.82	2.0	J	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	1.4	1.0		0.25	2	2.0	J	0.50	3.2	2.0		0.50

TABLE 3A
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id		BJ21609				BJ21610				BJ21611				BJ20803				BJ20804				BJ20805			
	Collection Date		5/22/2015				5/22/2015				5/22/2015				5/21/2015				5/21/2015				5/21/2015			
	Client Id		MW-1				MW-2				MW-3				MW-104				MW-4				MW-5			
	Matrix		Ground Water				Ground Water				Ground Water				Ground Water				Ground Water				Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Methylacetate	79-20-9		< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 2.5	2.5	U	2.5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0
Methylcyclohexane	108-87-2		< 4.0	4.0	U	1.0	< 2.0	2.0	U	0.50	4.8	4.0		1.0	< 2.0	2.0	U	0.50	< 4.0	4.0	U	1.0	< 4.0	4.0	U	1.0
Methylene chloride	75-09-2	5	< 6.0	6.0	U	2.0	< 3.0	3.0	U	1.0	< 6.0	6.0	U	2.0	< 3.0	3.0	U	1.0	< 5	5	U	2.0	< 5	5	U	2.0
o-Xylene	95-47-6	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Styrene	100-42-5	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Tetrachloroethene	127-18-4	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Toluene	108-88-3	5	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
Total Xylenes	1330-20-7	5	< 1.7	1.7	U	0.50	< 0.87	0.87	U	0.25	< 1.7	1.7	U	0.50	< 0.87	0.87	U	0.25	< 1.7	1.7	U	0.50	< 1.7	1.7	U	0.50
trans-1,2-Dichloroethene	156-60-5	5	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 2.0	2.0	U	0.25	< 4.0	4.0	U	0.50	< 4.0	4.0	U	0.50
trans-1,3-Dichloropropene	10061-02-6	0.4	< 0.80	0.80	U	0.50	< 0.40	0.40	U	0.25	< 0.80	0.80	U	0.50	< 0.40	0.40	U	0.25	< 0.5	0.5	U	0.50	< 0.5	0.5	U	0.50
Trichloroethene	79-01-6	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Trichlorofluoromethane	75-69-4	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Trichlorotrifluoroethane	76-13-1	5	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Vinyl chloride	75-01-4	2	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 1.0	1.0	U	0.25	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
1,4-dioxane By SW8260C (ug/L)																										
1,4-dioxane	123-91-1		< 200	200	U	100	< 100	100	U	50	< 200	200	U	100	< 100	100	U	50	< 200	200	U	100	< 200	200	U	100
Semivolatiles By SW8270D (SIM) (ug/L)																										
1,1-Biphenyl	92-52-4	5	< 0.51	0.51	U	0.51	< 0.50	0.50	U	0.50	< 0.67	0.67	U	0.67	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50
1,2,4,5-Tetrachlorobenzene	95-94-3		< 0.51	0.51	U	0.51	< 0.50	0.50	U	0.50	< 0.67	0.67	U	0.67	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50
2,3,4,6-tetrachlorophenol	58-90-2	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
2,4,5-Trichlorophenol	95-95-4	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
2,4,6-Trichlorophenol	88-06-2	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
2,4-Dichlorophenol	120-83-2	5	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
2,4-Dimethylphenol	105-67-9	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
2-Chlorophenol	95-57-8	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
2-Methylphenol (o-cresol)	95-48-7	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
2-Nitrophenol	88-75-5	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
4-Chloro-3-methylphenol	59-50-7	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
4-Nitrophenol	100-02-7	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Acenaphthylene	208-96-8		< 0.31	0.31	U	0.31	< 0.30	0.30	U	0.30	< 0.40	0.40	U	0.40	< 0.30	0.30	U	0.30	< 0.30	0.30	U	0.30	< 0.30	0.30	U	0.30
Anthracene	120-12-7	50	0.22	0.21		0.21	< 0.20	0.20	U	0.20	0.34	0.27		0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Atrazine	1912-24-9	7.5	< 0.51	0.51	U	0.51	< 0.50	0.50	U	0.50	< 0.67	0.67	U	0.67	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50
Benz(a)anthracene	56-55-3	0.002	0.13	0.02		0.02	0.02	0.02		0.02	0.13	0.03		0.03	0.08	0.02		0.02	0.08	0.02		0.02	0.05	0.02		0.02
Benzo(a)pyrene	50-32-8		0.26	0.02		0.02	< 0.02	0.02	U	0.02	0.11	0.03		0.03	0.09	0.02		0.02	0.07	0.02		0.02	0.03	0.02		0.02
Benzo(b)fluoranthene	205-99-2	0.002	0.37	0.02		0.02	< 0.02	0.02	U	0.02	0.14	0.03		0.03	0.03	0.02		0.02	0.11	0.02		0.02	0.06	0.02		0.02
Benzo(ghi)perylene	191-24-2		< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Benzo(k)fluoranthene	207-08-9	0.002	0.14	0.02		0.02	< 0.02	0.02	U	0.02	0.05	0.03		0.03	0.03	0.02		0.02	0.04	0.02		0.02	0.03	0.02		0.02
Bis(2-chloroethyl)ether	111-44-4	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20

TABLE 3A
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id		BJ21609				BJ21610				BJ21611				BJ20803				BJ20804				BJ20805			
	Collection Date		5/22/2015				5/22/2015				5/22/2015				5/21/2015				5/21/2015				5/21/2015			
	Client Id		MW-1				MW-2				MW-3				MW-104				MW-4				MW-5			
	Matrix		Ground Water				Ground Water				Ground Water				Ground Water				Ground Water				Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Bis(2-ethylhexyl)phthalate	117-81-7	5	0.78	0.31		0.31	2	0.30		0.30	2.6	0.40		0.40	1	0.30		0.30	0.89	0.30		0.30	0.4	0.30		0.30
Chrysene	218-01-9	0.002	0.23	0.02		0.02	< 0.02	0.02	U	0.02	0.11	0.03		0.03	0.05	0.02		0.02	0.08	0.02		0.02	0.07	0.02		0.02
Dibenz(a,h)anthracene	53-70-3		< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.03	0.03	U	0.03	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02
Fluoranthene	206-44-0	50	0.53	0.21		0.21	< 0.20	0.20	U	0.20	0.45	0.27		0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	0.22	0.20		0.20
Fluorene	86-73-7	50	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	1.4	0.27		0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	0.53	0.20		0.20
Hexachlorobenzene	118-74-1	0.04	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.03	0.03	U	0.03	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02
Hexachlorobutadiene	87-68-3	0.5	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Hexachloroethane	67-72-1	5	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.12	0.02		0.02	< 0.02	0.02	U	0.02	0.05	0.03		0.03	0.03	0.02		0.02	0.04	0.02		0.02	< 0.02	0.02	U	0.02
Nitrobenzene	98-95-3	0.4	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
N-Nitrosodimethylamine	62-75-9		< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Pentachlorophenol	87-86-5	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Phenanthrene	85-01-8	50	0.32	0.05		0.05	< 0.05	0.05	U	0.05	0.35	0.07		0.07	0.1	0.05		0.05	0.16	0.05		0.05	0.52	0.05		0.05
Phenol	108-95-2	1	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.27	0.27	U	0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	2.4	0.20		0.20
Pyrene	129-00-0	50	0.49	0.21		0.21	< 0.20	0.20	U	0.20	0.37	0.27		0.27	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Semivolatiles By SW8270D (ug/L)																										
2,4-Dinitrophenol	51-28-5	5	< 1.0	1.0	U	0.92	<1	1	U	0.90	< 1.0	1.0	U	1.0	< 1.0	1.0	U	0.90	< 1.0	1.0	U	0.90	< 1.0	1.0	U	0.90
2,4-Dinitrotoluene	121-14-2	5	< 5.0	5.0	U	2.0	< 5.0	5.0	U	2.0	< 5.0	5.0	U	2.6	< 5.0	5.0	U	2.0	< 5.0	5.0	U	2.0	< 5.0	5.0	U	2.0
2,6-Dinitrotoluene	606-20-2	5	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	2.1	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6
2-Chloronaphthalene	91-58-7	10	< 5.1	5.1	U	1.5	< 5.0	5.0	U	1.4	< 6.7	6.7	U	1.9	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4
2-Methylnaphthalene	91-57-6		< 5.1	5.1	U	1.5	< 5.0	5.0	U	1.5	< 6.7	6.7	U	2.0	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	2.1	5.0	J	1.5
2-Nitroaniline	88-74-4	5	< 5.0	5.0	U	5.1	< 5.0	5.0	U	5.0	< 5.0	5.0	U	6.7	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0
3&4-Methylphenol (m&p-cresol)	PHNX - M&P CRESOL		< 1.0	1.0	U	0.92	<1	1	U	0.90	< 1.0	1.0	U	1.0	< 1.0	1.0	U	0.90	< 1.0	1.0	U	0.90	100	25		4.5
3,3'-Dichlorobenzidine	91-94-1	5	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.4	< 5.0	5.0	U	3.1	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.4
3-Nitroaniline	99-09-2	5	< 5.0	5.0	U	11	< 5.0	5.0	U	11	< 5.0	5.0	U	15	< 5.0	5.0	U	11	< 5.0	5.0	U	11	< 5.0	5.0	U	11
4,6-Dinitro-2-methylphenol	534-52-1	1	< 1.0	1.0	U	1	<1	1	U	1	< 1.0	1.0	U	1	< 1.0	1.0	U	1.0	< 1.0	1.0	U	5.4	< 1.0	1.0	U	1.0
4-Bromophenyl phenyl ether	101-55-3		< 5.1	5.1	U	1.5	< 5.0	5.0	U	1.5	< 6.7	6.7	U	2.0	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5
4-Chloroaniline	106-47-8	5	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.3	< 5.0	5.0	U	3.1	< 5.0	5.0	U	2.3	< 5.0	5.0	U	2.3	< 5.0	5.0	U	2.3
4-Chlorophenyl phenyl ether	7005-72-3		< 5.1	5.1	U	1.7	< 5.0	5.0	U	1.7	< 6.7	6.7	U	2.2	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7
4-Nitroaniline	100-01-6	5	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7	< 5.0	5.0	U	2.2	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7
Acenaphthene	83-32-9	20	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.5	2	6.7	J	2.0	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5
Acetophenone	98-86-2		< 5.1	5.1	U	1.6	< 5.0	5.0	U	1.6	< 6.7	6.7	U	2.1	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6
Benzaldehyde	100-52-7		< 5.1	5.1	U	1.5	< 5.0	5.0	U	1.5	< 6.7	6.7	U	2.0	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5
Benzyl butyl phthalate	85-68-7	50	< 5.1	5.1	U	1.3	< 5.0	5.0	U	1.3	< 6.7	6.7	U	1.7	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3
Bis(2-chloroethoxy)methane	111-91-1	5	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.8	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4
Bis(2-chloroisopropyl)ether	39638-32-9		< 5.1	5.1	U	1.4	< 5.0	5.0	U	1.4	< 6.7	6.7	U	1.9	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4
Caprolactam	105-60-2		110	26		46	12	5.0		8.9	46	6.7		12	< 5.0	5.0	U	8.9	< 5.0	5.0	U	8.9	< 5.0	5.0	U	8.9
Carbazole	86-74-8		< 5.1	5.1	U	3.9	< 5.0	5.0	U	3.8	< 6.7	6.7	U	5.1	< 5.0	5.0	U	3.8	< 5.0	5.0	U	3.8	< 5.0	5.0	U	3.8
Dibenzofuran	132-64-9		< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.9	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5

TABLE 3A
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id		BJ21609				BJ21610				BJ21611				BJ20803				BJ20804				BJ20805			
	Collection Date		5/22/2015				5/22/2015				5/22/2015				5/21/2015				5/21/2015				5/21/2015			
	Client Id		MW-1				MW-2				MW-3				MW-104				MW-4				MW-5			
	Matrix		Ground Water				Ground Water				Ground Water				Ground Water				Ground Water				Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Diethyl phthalate	84-66-2	50	< 5.1	5.1	U	1.6	< 5.0	5.0	U	1.6	< 6.7	6.7	U	2.1	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6
Dimethylphthalate	131-11-3	50	< 5.1	5.1	U	1.6	< 5.0	5.0	U	1.6	< 6.7	6.7	U	2.1	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6
Di-n-butylphthalate	84-74-2	50	< 5.1	5.1	U	1.4	< 5.0	5.0	U	1.3	< 6.7	6.7	U	1.8	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3
Di-n-octylphthalate	117-84-0	50	< 5.1	5.1	U	1.3	< 5.0	5.0	U	1.3	< 6.7	6.7	U	1.7	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3
Hexachlorocyclopentadiene	77-47-4	5	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.5	< 5.0	5.0	U	2.0	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5
Isophorone	78-59-1	50	< 5.1	5.1	U	1.4	< 5.0	5.0	U	1.4	< 6.7	6.7	U	1.9	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4
Naphthalene	91-20-3	10	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.9	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4
N-Nitrosodi-n-propylamine	621-64-7		< 5.1	5.1	U	1.7	< 5.0	5.0	U	1.6	< 6.7	6.7	U	2.2	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6
N-Nitrosodiphenylamine	86-30-6	50	< 5.1	5.1	U	2.0	< 5.0	5.0	U	1.9	15	6.7		2.6	< 5.0	5.0	U	1.9	< 5.0	5.0	U	1.9	< 5.0	5.0	U	1.9
Pesticides By SW8081B (ug/l)																										
4,4' -DDD	72-54-8	0.3	< 0.065	0.065	U	0.065	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.005	0.005	U	0.005	< 0.010	0.010	U	0.010	0.036	0.010		0.010
4,4' -DDE	72-55-9	0.2	< 0.035	0.035	U	0.035	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	0.019	0.010		0.010	0.021	0.005		0.005	0.051	0.010		0.010
4,4' -DDT	50-29-3	0.2	< 0.035	0.035	U	0.035	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
a-BHC	319-84-6	0.01	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005
a-chlordane	5103-71-9		< 0.020	0.020	U	0.020	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.050	0.050	U	0.050
Alachlor	15972-60-8	0.5	< 0.075	0.075	U	0.075	< 0.075	0.075	U	0.075	< 0.075	0.075	U	0.075	< 0.077	0.077	U	0.077	< 0.075	0.075	U	0.075	< 0.075	0.075	U	0.075
Aldrin	309-00-2		< 0.002	0.002	U	0.002	< 0.005	0.005	U	0.005	< 0.002	0.002	U	0.002	< 0.002	0.002	U	0.002	< 0.002	0.002	U	0.002	< 0.010	0.010	U	0.010
b-BHC	319-85-7	0.04	< 0.090	0.090	U	0.090	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005
Chlordane	57-74-9	0.05	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.05	0.05	U	0.05	< 0.05	0.05	U	0.05	< 0.05	0.05	U	0.05
d-BHC	319-86-8	0.04	< 0.015	0.015	U	0.015	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005
Dieldrin	60-57-1	0.004	< 0.040	0.040	U	0.040	< 0.002	0.002	U	0.002	< 0.002	0.002	U	0.002	< 0.002	0.002	U	0.002	< 0.002	0.002	U	0.002	0.012	0.002		0.002
Endosulfan I	959-98-8		< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
Endosulfan II	33213-65-9		< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
Endosulfan Sulfate	1031-07-8		< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
Endrin	72-20-8		< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.005	0.005	U	0.005	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
Endrin Aldehyde	7421-93-4	5	< 0.015	0.015	U	0.015	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
Endrin ketone	53494-70-5	5	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
g-BHC (Lindane)	58-89-9	0.05	< 0.006	0.006	U	0.006	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005
g-chlordane	5103-74-2		< 0.10	0.10	U	0.10	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.020	0.020	U	0.020	< 0.030	0.030	U	0.030	< 0.050	0.050	U	0.050
Heptachlor	76-44-8	0.04	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.005	0.005	U	0.005	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
Heptachlor epoxide	1024-57-3	0.03	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.005	0.005	U	0.005	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010
Methoxychlor	72-43-5	35	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10
Toxaphene	8001-35-2	0.06	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.26	0.26	U	0.26	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25
PCBs By E608/SW8082A (ug/L)																										
PCB-1016	12674-11-2	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050
PCB-1221	11104-28-2	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050
PCB-1232	11141-16-5	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050
PCB-1242	53469-21-9	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050

TABLE 3A
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix		BJ21609 5/22/2015 MW-1 Ground Water				BJ21610 5/22/2015 MW-2 Ground Water				BJ21611 5/22/2015 MW-3 Ground Water				BJ20803 5/21/2015 MW-104 Ground Water				BJ20804 5/21/2015 MW-4 Ground Water				BJ20805 5/21/2015 MW-5 Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
PCB-1248	12672-29-6	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050
PCB-1254	11097-69-1	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050
PCB-1260	11096-82-5	0.09	0.31	0.050		0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050
PCB-1262	37324-23-5		< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050
PCB-1268	11100-14-4		< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.051	0.051	U	0.051	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050

Qualifiers

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

1. Samples were obtained by HydroEnvironmental Solutions, Inc. of Somers, NY on May 21 and 22, 2015 and analyzed by Phoenix Environmental Laboratories, Inc. of Manchester, CT.
2. Phoenix Environmental reveiwed the analytical data and compared the analytical Reporting Limits to the NYSDEC ????????
3. Any Regulatory Excdeedances were color coded.
4. Sample MW-104 is a blind duplicate of sample MW-4 for QA/QC purposes.
5. Where analytical standards are blank, no standard has yet been established.

TABLE 3B
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id		BJ20806				BJ21612				BJ20807				BJ20808				BJ20809				BJ20810			
	Collection Date		5/21/2015				5/22/2015				5/21/2015				5/21/2015				5/21/2015				5/21/2015			
	Client Id		MW-6				MW-7				MW-8				MW-9				FIELD BLANK				TRIP BLANK			
	Matrix		Ground Water				Ground Water				Ground Water				Ground Water				Ground Water				Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles By SW8260C (ug/L)																										
1,1,1-Trichloroethane	71-55-6	5	< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
1,1,2,2-Tetrachloroethane	79-34-5	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,1,2-Trichloroethane	79-00-5	1	< 1	1	U	0.50	< 10	10	U	1.3	< 1	1	U	0.25	< 1	1	U	0.25	< 1	1	U	0.25	< 1	1	U	0.25
1,1-Dichloroethane	75-34-3	5	< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
1,1-Dichloroethene	75-35-4	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	0.37	1.0	J	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,2,3-Trichlorobenzene	87-61-6		< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,2,4-Trichlorobenzene	120-82-1		< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 1	1	U	1.0	< 5.0	5.0	U	2.5	< 1.0	1.0	U	0.50	< 1.0	1.0	U	0.50	< 1.0	1.0	U	0.50	< 1.0	1.0	U	0.50
1,2-Dibromoethane	106-93-4	0.0006	< 1	1	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,2-Dichlorobenzene	95-50-1		< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
1,2-Dichloroethane	107-06-2	0.6	< 0.6	0.6	U	0.50	< 5.0	5.0	U	1.3	< 0.6	0.6	U	0.25	< 0.6	0.6	U	0.25	< 0.6	0.6	U	0.25	< 0.6	0.6	U	0.25
1,2-Dichloropropane	78-87-5	1	< 1	1	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,3-Dichlorobenzene	541-73-1	3	< 2.0	2.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
1,4-Dichlorobenzene	106-46-7		< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
2-Hexanone	591-78-6	50	< 5.0	5.0	U	5.0	< 13	13	U	13	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5
4-Methyl-2-pentanone	108-10-1		< 5.0	5.0	U	5.0	< 13	13	U	13	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5
Acetone	67-64-1	50	8.4	10	JS	5.0	27	25	S	13	< 5.0	5.0	U	2.5	15	5.0	S	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5
Benzene	71-43-2	1	< 0.7	0.7	U	0.50	< 3.5	3.5	U	1.3	< 0.70	0.70	U	0.25	11	0.70		0.25	< 0.70	0.70	U	0.25	< 0.70	0.70	U	0.25
Bromochloromethane	74-97-5	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Bromodichloromethane	75-27-4	50	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Bromoform	75-25-2	50	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Bromomethane	74-83-9	5	< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
Carbon Disulfide	75-15-0		< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Carbon tetrachloride	56-23-5	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Chlorobenzene	108-90-7	5	< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
Chloroethane	75-00-3	5	< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
Chloroform	67-66-3	7	< 4.0	4.0	U	0.50	< 10	10	U	1.3	5.5	2.0		0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
Chloromethane	74-87-3	5	< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
cis-1,2-Dichloroethene	156-59-2	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	2.8	1.0		0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
cis-1,3-Dichloropropene	10061-01-5	0.4	< 0.5	0.5	U	0.50	< 2.0	2.0	U	1.3	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25
Cyclohexane	110-82-7		< 10	10	U	1.0	< 25	25	U	2.5	< 5.0	5.0	U	0.50	< 5.0	5.0	U	0.50	< 5.0	5.0	U	0.50	< 5.0	5.0	U	0.50
Dibromochloromethane	124-48-1	50	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Dichlorodifluoromethane	75-71-8	5	< 2.0	2.0	U	0.50	14	5.0		1.3	< 1.0	1.0	U	0.25	0.92	1.0	J	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Ethylbenzene	100-41-4	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Isopropylbenzene	98-82-8	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
m&p-Xylene	179601-23-1		< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	0.42	1.0	J	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Methyl ethyl ketone	78-93-3	50	< 10	10	U	5.0	< 25	25	U	13	< 5.0	5.0	U	2.5	3.2	5.0	J	2.5	< 5.0	5.0	U	2.5	< 5.0	5.0	U	2.5
Methyl t-butyl ether (MTBE)	1634-04-4		6.1	2.0		0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Methylacetate	79-20-9		< 5.0	5.0	U	5.0	< 13	13	U	13	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5	< 2.5	2.5	U	2.5
Methylcyclohexane	108-87-2		< 4.0	4.0	U	1.0	< 10	10	U	2.5	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50	< 2.0	2.0	U	0.50
Methylene chloride	75-09-2	5	< 5	5	U	2.0	< 15	15	U	5.0	< 3.0	3.0	U	1.0	< 3.0	3.0	U	1.0	< 3.0	3.0	U	1.0	< 3.0	3.0	U	1.0
o-Xylene	95-47-6	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	0.33	1.0	J	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Styrene	100-42-5	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Tetrachloroethene	127-18-4	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	480	20		5.0	8.1	1.0		0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Toluene	108-88-3	5	< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	0.84	2.0	J	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25
Total Xylenes	1330-20-7	5	< 1.7	1.7	U	0.50	< 4.4	4.4	U	1.3	< 0.87	0.87	U	0.25	< 0.87	0.87	U	0.25	< 0.87	0.87	U	0.25	< 0.87	0.87	U	0.25
trans-1,2-Dichloroethene	156-60-5	5	< 4.0	4.0	U	0.50	< 10	10	U	1.3	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25	< 2.0	2.0	U	0.25

TABLE 3B
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix		BJ20806 5/21/2015 MW-6 Ground Water				BJ21612 5/22/2015 MW-7 Ground Water				BJ20807 5/21/2015 MW-8 Ground Water				BJ20808 5/21/2015 MW-9 Ground Water				BJ20809 5/21/2015 FIELD BLANK Ground Water				BJ20810 5/21/2015 TRIP BLANK Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
trans-1,3-Dichloropropene	10061-02-6	0.4	< 0.5	0.5	U	0.50	< 2.0	2.0	U	1.3	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25	< 0.40	0.40	U	0.25
Trichloroethene	79-01-6	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	47	20		5.0	< 1.0	1.0	U	0.50	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Trichlorofluoromethane	75-69-4	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Trichlorotrifluoroethane	76-13-1	5	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
Vinyl chloride	75-01-4	2	< 2.0	2.0	U	0.50	< 5.0	5.0	U	1.3	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25	< 1.0	1.0	U	0.25
1,4-dioxane By SW8260C (ug/L)																										
1,4-dioxane	123-91-1		< 200	200	U	100	< 500	500	U	250	< 100	100	U	50	< 100	100	U	50	< 100	100	U	50	< 100	100	U	50
Semivolatiles By SW8270D (SIM) (ug/L)																										
1,1-Biphenyl	92-52-4	5	< 0.50	0.50	U	0.50	< 0.51	0.51	U	0.51	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50				
1,2,4,5-Tetrachlorobenzene	95-94-3		< 0.50	0.50	U	0.50	< 0.51	0.51	U	0.51	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50				
2,3,4,6-tetrachlorophenol	58-90-2	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
2,4,5-Trichlorophenol	95-95-4	1	< 0.20	0.20	U	0.20	0.26	0.21		0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
2,4,6-Trichlorophenol	88-06-2	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
2,4-Dichlorophenol	120-83-2	5	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
2,4-Dimethylphenol	105-67-9	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	1.2	0.20		0.20	< 0.20	0.20	U	0.20				
2-Chlorophenol	95-57-8	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
2-Methylphenol (o-cresol)	95-48-7	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	0.57	0.20		0.20	< 0.20	0.20	U	0.20				
2-Nitrophenol	88-75-5	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
4-Chloro-3-methylphenol	59-50-7	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
4-Nitrophenol	100-02-7	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
Acenaphthylene	208-96-8		< 0.30	0.30	U	0.30	< 0.31	0.31	U	0.31	< 0.30	0.30	U	0.30	< 0.30	0.30	U	0.30	< 0.30	0.30	U	0.30				
Anthracene	120-12-7	50	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	0.8	0.20		0.20	< 0.20	0.20	U	0.20				
Atrazine	1912-24-9	7.5	< 0.50	0.50	U	0.50	< 0.51	0.51	U	0.51	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50	< 0.50	0.50	U	0.50				
Benz(a)anthracene	56-55-3	0.002	0.19	0.02		0.02	0.05	0.02		0.02	0.02	0.02		0.02	0.69	0.02		0.02	< 0.02	0.02	U	0.02				
Benzo(a)pyrene	50-32-8		0.11	0.02		0.02	0.05	0.02		0.02	< 0.02	0.02	U	0.02	0.63	0.02		0.02	< 0.02	0.02	U	0.02				
Benzo(b)fluoranthene	205-99-2	0.002	0.17	0.02		0.02	0.06	0.02		0.02	< 0.02	0.02	U	0.02	0.88	0.02		0.02	< 0.02	0.02	U	0.02				
Benzo(ghi)perylene	191-24-2		< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
Benzo(k)fluoranthene	207-08-9	0.002	0.06	0.02		0.02	0.03	0.02		0.02	< 0.02	0.02	U	0.02	0.37	0.02		0.02	< 0.02	0.02	U	0.02				
Bis(2-chloroethyl)ether	111-44-4	1	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
Bis(2-ethylhexyl)phthalate	117-81-7	5	0.57	0.30		0.30	0.64	0.31		0.31	0.71	0.30		0.30	0.8	0.30		0.30	< 0.30	0.30	U	0.30				
Chrysene	218-01-9	0.002	0.12	0.02		0.02	0.05	0.02		0.02	< 0.02	0.02	U	0.02	0.64	0.02		0.02	< 0.02	0.02	U	0.02				
Dibenz(a,h)anthracene	53-70-3		< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02				
Fluoranthene	206-44-0	50	0.66	0.20		0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	2.1	0.20		0.20	< 0.20	0.20	U	0.20				
Fluorene	86-73-7	50	0.87	0.20		0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	1.8	0.20		0.20	< 0.20	0.20	U	0.20				
Hexachlorobenzene	118-74-1	0.04	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02				
Hexachlorobutadiene	87-68-3	0.5	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
Hexachloroethane	67-72-1	5	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.07	0.02		0.02	< 0.02	0.02	U	0.02	< 0.02	0.02	U	0.02	0.36	0.02		0.02	< 0.02	0.02	U	0.02				
Nitrobenzene	98-95-3	0.4	< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
N-Nitrosodimethylamine	62-75-9		< 0.20	0.20	U	0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
Pentachlorophenol	87-86-5	1	< 0.20	0.20	U	0.20	0.91	0.21		0.21	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20				
Phenanthrene	85-01-8	50	1.5	0.05		0.05	0.12	0.05		0.05	< 0.05	0.05	U	0.05	3.5	0.05		0.05	< 0.05	0.05	U	0.05				
Phenol	108-95-2	1	< 0.20	0.20	U	0.20	1	0.21		0.21	< 0.20	0.20	U	0.20	100	25		4.5	< 0.20	0.20	U	0.20				
Pyrene	129-00-0	50	0.51	0.20		0.20	< 0.21	0.21	U	0.21	< 0.20	0.20	U	0.20	1.7	0.20		0.20	< 0.20	0.20	U	0.20				
Semivolatiles By SW8270D (ug/L)																										
2,4-Dinitrophenol	51-28-5	5	< 1.0	1.0	U	0.90	< 1.0	1.0	U	0.92	< 1.0	1.0	U	0.90	< 1.0	1.0	U	0.90	< 1.0	1.0	U	0.90				

TABLE 3B
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id		BJ20806				BJ21612				BJ20807				BJ20808				BJ20809				BJ20810			
	Collection Date		5/21/2015				5/22/2015				5/21/2015				5/21/2015				5/21/2015				5/21/2015			
	Client Id		MW-6				MW-7				MW-8				MW-9				FIELD BLANK				TRIP BLANK			
	Matrix		Ground Water				Ground Water				Ground Water				Ground Water				Ground Water				Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
2,4-Dinitrotoluene	121-14-2	5	< 5.0	5.0	U	2.0	< 5.0	5.0	U	2.0	< 5.0	5.0	U	2.0	< 5.0	5.0	U	2.0	< 5.0	5.0	U	2.0				
2,6-Dinitrotoluene	606-20-2	5	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6				
2-Chloronaphthalene	91-58-7	10	< 5.0	5.0	U	1.4	< 5.1	5.1	U	1.5	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4				
2-Methylnaphthalene	91-57-6		1.5	5.0	J	1.5	< 5.1	5.1	U	1.5	< 5.0	5.0	U	1.5	1.7	5.0	J	1.5	< 5.0	5.0	U	1.5				
2-Nitroaniline	88-74-4	5	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.1	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0	< 5.0	5.0	U	5.0				
3&4-Methylphenol (m&p-cresol)	PHNX - M&P CRESOL		3.6	5.0	J	0.90	33	1.0		0.92	< 5.0	5.0	U	0.90	5.1	5.0		0.90	< 1.0	1.0	U	0.90				
3,3'-Dichlorobenzidine	91-94-1	5	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.4				
3-Nitroaniline	99-09-2	5	< 5.0	5.0	U	11	< 5.0	5.0	U	11	< 5.0	5.0	U	11	< 5.0	5.0	U	11	< 5.0	5.0	U	11				
4,6-Dinitro-2-methylphenol	534-52-1	1	< 1.0	1.0	U	1.0	< 1.0	1.0	U	1	< 1.0	1.0	U	1.0	< 1.0	1.0	U	1.0	< 1.0	1.0	U	1.0				
4-Bromophenyl phenyl ether	101-55-3		< 5.0	5.0	U	1.5	< 5.1	5.1	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5				
4-Chloroaniline	106-47-8	5	< 5.0	5.0	U	2.3	< 5.0	5.0	U	2.4	< 5.0	5.0	U	2.3	< 5.0	5.0	U	2.3	< 5.0	5.0	U	2.3				
4-Chlorophenyl phenyl ether	7005-72-3		< 5.0	5.0	U	1.7	< 5.1	5.1	U	1.7	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7				
4-Nitroaniline	100-01-6	5	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7	< 5.0	5.0	U	1.7				
Acenaphthene	83-32-9	20	< 5.0	5.0	U	1.5	< 5.1	5.1	U	1.6	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5				
Acetophenone	98-86-2		< 5.0	5.0	U	1.6	< 5.1	5.1	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6				
Benzaldehyde	100-52-7		< 5.0	5.0	U	1.5	1.8	5.1	J	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5				
Benzyl butyl phthalate	85-68-7	50	< 5.0	5.0	U	1.3	< 5.1	5.1	U	1.3	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3				
Bis(2-chloroethoxy)methane	111-91-1	5	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4				
Bis(2-chloroisopropyl)ether	39638-32-9		< 5.0	5.0	U	1.4	< 5.1	5.1	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4				
Caprolactam	105-60-2		< 5.0	5.0	U	8.9	< 5.1	5.1	U	9.2	< 5.0	5.0	U	8.9	< 5.0	5.0	U	8.9	< 5.0	5.0	U	8.9				
Carbazole	86-74-8		< 5.0	5.0	U	3.8	< 5.1	5.1	U	3.9	< 5.0	5.0	U	3.8	< 5.0	5.0	U	3.8	< 5.0	5.0	U	3.8				
Dibenzofuran	132-64-9		< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5				
Diethyl phthalate	84-66-2	50	< 5.0	5.0	U	1.6	13	5.1		1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6				
Dimethylphthalate	131-11-3	50	< 5.0	5.0	U	1.6	< 5.1	5.1	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6				
Di-n-butylphthalate	84-74-2	50	< 5.0	5.0	U	1.3	< 5.1	5.1	U	1.4	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3				
Di-n-octylphthalate	117-84-0	50	< 5.0	5.0	U	1.3	< 5.1	5.1	U	1.3	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3	< 5.0	5.0	U	1.3				
Hexachlorocyclopentadiene	77-47-4	5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.5				
Isophorone	78-59-1	50	< 5.0	5.0	U	1.4	< 5.1	5.1	U	1.4	2.3	5.0	J	1.4	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.4				
Naphthalene	91-20-3	10	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.5	< 5.0	5.0	U	1.4	3.6	5.0	J	1.4	< 5.0	5.0	U	1.4				
N-Nitrosodi-n-propylamine	621-64-7		< 5.0	5.0	U	1.6	< 5.1	5.1	U	1.7	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6	< 5.0	5.0	U	1.6				
N-Nitrosodiphenylamine	86-30-6	50	< 5.0	5.0	U	1.9	< 5.1	5.1	U	2.0	< 5.0	5.0	U	1.9	< 5.0	5.0	U	1.9	< 5.0	5.0	U	1.9				
Pesticides By SW8081B (ug/L)																										
4,4' -DDD	72-54-8	0.3	< 0.010	0.010	U	0.010	< 0.050	0.050	U	0.050	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
4,4' -DDE	72-55-9	0.2	0.020	0.010		0.010	0.097	0.050		0.050	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
4,4' -DDT	50-29-3	0.2	< 0.010	0.010	U	0.010	< 0.050	0.050	U	0.050	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
a-BHC	319-84-6	0.01	< 0.005	0.005	U	0.005	< 0.050	0.050	U	0.050	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005				
a-chlordane	5103-71-9		< 0.010	0.010	U	0.010	< 0.10	0.10	U	0.10	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
Alachlor	15972-60-8	0.5	< 0.075	0.075	U	0.075	< 0.050	0.050	U	0.050	< 0.075	0.075	U	0.075	< 0.075	0.075	U	0.075	< 0.075	0.075	U	0.075				
Aldrin	309-00-2		< 0.002	0.002	U	0.002	< 0.015	0.015	U	0.015	< 0.002	0.002	U	0.002	< 0.002	0.002	U	0.002	< 0.002	0.002	U	0.002				
b-BHC	319-85-7	0.04	< 0.005	0.005	U	0.005	< 0.050	0.050	U	0.050	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005				
Chlordane	57-74-9	0.05	< 0.05	0.05	U	0.05	< 0.50	0.50	U	0.50	< 0.05	0.05	U	0.05	< 0.05	0.05	U	0.05	< 0.05	0.05	U	0.05				
d-BHC	319-86-8	0.04	< 0.005	0.005	U	0.005	< 0.050	0.050	U	0.050	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005				
Dieldrin	60-57-1	0.004	< 0.002	0.002	U	0.002	< 0.015	0.015	U	0.015	< 0.004	0.004	U	0.004	< 0.002	0.002	U	0.002	< 0.003	0.003	U	0.003				
Endosulfan I	959-98-8		< 0.010	0.010	U	0.010	< 0.10	0.10	U	0.10	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
Endosulfan II	33213-65-9		< 0.010	0.010	U	0.010	< 0.10	0.10	U	0.10	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
Endosulfan Sulfate	1031-07-8		< 0.010	0.010	U	0.010	< 0.10	0.10	U	0.10	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
Endrin	72-20-8		< 0.010	0.010	U	0.010	< 0.050	0.050	U	0.050	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
Endrin Aldehyde	7421-93-4	5	< 0.010	0.010	U	0.010	< 0.10	0.10	U	0.10	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				

TABLE 3B
GROUNDWATER LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix		BJ20806 5/21/2015 MW-6 Ground Water				BJ21612 5/22/2015 MW-7 Ground Water				BJ20807 5/21/2015 MW-8 Ground Water				BJ20808 5/21/2015 MW-9 Ground Water				BJ20809 5/21/2015 FIELD BLANK Ground Water				BJ20810 5/21/2015 TRIP BLANK Ground Water			
	CAS	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Endrin ketone	53494-70-5	5	< 0.010	0.010	U	0.010	< 0.10	0.10	U	0.10	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
g-BHC (Lindane)	58-89-9	0.05	< 0.005	0.005	U	0.005	< 0.050	0.050	U	0.050	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005	< 0.005	0.005	U	0.005				
g-chlordane	5103-74-2		< 0.020	0.020	U	0.020	< 0.10	0.10	U	0.10	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
Heptachlor	76-44-8	0.04	< 0.010	0.010	U	0.010	< 0.050	0.050	U	0.050	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
Heptachlor epoxide	1024-57-3	0.03	< 0.010	0.010	U	0.010	< 0.050	0.050	U	0.050	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010	< 0.010	0.010	U	0.010				
Methoxychlor	72-43-5	35	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10	< 0.10	0.10	U	0.10				
Toxaphene	8001-35-2	0.06	< 0.25	0.25	U	0.25	< 2.0	2.0	U	2.0	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25				
PCBs By E608/SW8082A (ug/L)																										
PCB-1016	12674-11-2	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				
PCB-1221	11104-28-2	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				
PCB-1232	11141-16-5	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				
PCB-1242	53469-21-9	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				
PCB-1248	12672-29-6	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				
PCB-1254	11097-69-1	0.09	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				
PCB-1260	11096-82-5	0.09	< 0.050	0.050	U	0.050	0.34	0.050		0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				
PCB-1262	37324-23-5		< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				
PCB-1268	11100-14-4		< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050	< 0.050	0.050	U	0.050				

Qualifiers

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

1. Samples were obtained by HydroEnvironmental Solutions, Inc. of Someres< NY on May 21 and 22, 2015 and analyzed by Phoenix Environmental Laboratories, Inc. of Manchester, CT.
2. Phoenix Environmental reveiwed the analytical data and compared the analytical Reporting Limits to the NYSDEC ????????
3. Any Regulatory Excdeedances were color coded.
4. Sample MW-104 is a blind duplicate of sample MW-4 for QA/QC purposes.
5. Where analytical standards are blank, no standard has yet been established.

TABLE 4A
SOIL VAPOR SAMPLE LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Volatile Organic Compounds	Sample Designation and Result (in ppbv)																											
	VP-1				VP-2				VP-3				VP-4				VP-5				Blind Dup of VP-5 (QA/QC) VP-105				VP-6			
	5/18/2015				5/18/2015				5/18/2015				5/27/2015				5/18/2015				5/18/2015				5/18/2015			
	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
1,1,1,2-Tetrachloroethane	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146
1,1,1-Trichloroethane	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183
1,1,2,2-Tetrachloroethane	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146
1,1,2-Trichloroethane	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183
1,1-Dichloroethane	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247
1,1-Dichloroethene	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252
1,2,4-Trichlorobenzene	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135
1,2,4-Trimethylbenzene	0.966	0.204		0.204	0.87	0.204		0.204	0.941	0.204		0.204	1.36	0.204		0.204	1.06	0.204		0.204	1.02	0.204		0.204	0.901	0.204		0.204
1,2-Dibromoethane(EDB)	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130
1,2-Dichlorobenzene	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166
1,2-Dichloroethane	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247
1,2-dichloropropane	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217
1,2-Dichlorotetrafluoroethane	4.89	0.143		0.143	15.5	0.143		0.143	2,160	57.3		57.3	19.2	4.29		4.29	1,250	28.6		28.6	171	1.43		1.43	20,300	137		137
1,3,5-Trimethylbenzene	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	0.423	0.204		0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204
1,3-Butadiene	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452
1,3-Dichlorobenzene	0.704	0.166		0.166	0.724	0.166		0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	0.772	0.166		0.166	0.783	0.166		0.166	0.612	0.166		0.166
1,4-Dichlorobenzene	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166
1,4-Dioxane	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278
2-Hexanone(MBK)	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244
4-Ethyltoluene	< 0.204	0.204	U	0.204	0.305	0.204		0.204	< 0.204	0.204	U	0.204	0.327	0.204		0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	0.421	0.204		0.204
4-Isopropyltoluene	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	0.218	0.182		0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182
4-Methyl-2-pentanone(MIBK)	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	0.477	0.244		0.244	0.403	0.244		0.244	< 0.244	0.244	U	0.244
Acetone	< 0.421	0.421	U	0.421	< 0.421	0.421	U	0.421	< 0.421	0.421	U	0.421	< 0.421	0.421	U	0.421	< 0.421	0.421	U	0.421	< 0.421	0.421	U	0.421	108	4.21		4.21
Acrylonitrile	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461
Benzene	0.898	0.313		0.313	3.14	0.313		0.313	73.8	12.5		12.5	1.17	0.313		0.313	1.18	0.313		0.313	0.564	0.313		0.313	15.7	0.313		0.313
Benzyl chloride	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193
Bromodichloromethane	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149
Bromoform	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097
Bromomethane	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258
Carbon Disulfide	0.566	0.321		0.321	0.739	0.321		0.321	0.582	0.321		0.321	2.4	0.321		0.321	< 0.321	0.321	U	0.321	< 0.321	0.321	U	0.321	3.38	0.321		0.321
Carbon Tetrachloride	< 0.040	0.040	U	0.040	< 0.040	0.040	U	0.040	< 0.040	0.040	U	0.040	0.068	0.040		0.040	0.072	0.040		0.040	0.085	0.040		0.040	< 0.040	0.040	U	0.040
Chlorobenzene	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217
Chloroethane	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379
Chloroform	< 0.205	0.205	U	0.205	< 0.205	0.205	U	0.205	< 0.205	0.205	U	0.205	0.435	0.205		0.205	< 0.205	0.205	U	0.205	< 0.205	0.205	U	0.205	30.9	0.205		0.205
Chloromethane	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485
Cis-1,2-Dichloroethene	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	2.51	0.252		0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	2.26	0.252		0.252
cis-1,3-Dichloropropene	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221
Cyclohexane	112	2.91		2.91	16.8	0.291		0.291	385	11.6		11.6	18.4	0.291		0.291	7.1	0.291		0.291	2.85	0.291		0.291	18	0.291		0.291
Dibromochloromethane	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118
Dichlorodifluoromethane	9.01	0.202		0.202	57.6	1.01		1.01	2,650	80.9		80.9	36.1	6.07		6.07	1,320	40.5		40.5	171	2.02		2.02	21,600	194		194
Ethanol	4.05	0.531		0.531	9.54	0.531	S	0.531	12.8	0.531	S	0.531	42.3	15.9		15.9	5.26	0.531	S	0.531	4.92	0.531		0.531	1,140	127		127
Ethyl acetate	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278
Ethylbenzene	< 0.230	0.230	U	0.230	0.344	0.230		0.230	0.37	0.230		0.230	17.6	0.230		0.230	0.245	0.230		0.230	< 0.230	0.230	U	0.230	2.57	0.230		0.230
Heptane	3	0.244		0.244	2.92	0.244		0.244	268	9.77		9.77	2.38	0.244		0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	39.9	0.244		0.244
Hexachlorobutadiene	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094
Hexane	145	2.84		2.84	16.8	0.284	S	0.284	1,480	11.4	S	11.4	8.34	0.284		0.284	46	2.84	S	2.84	18.7	0.284		0.284	83.1	2.84		2.84
Isopropylalcohol	556	4.07	E	4.07	225	6.11	S	6.11	415	16.3	S	16.3	27.7	0.407		0.407	444	4.07	SE	4.07	433	0.407	E	0.407	319	4.07		4.07
Isopropylbenzene	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	1.18	0.204		0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204
m,p-Xylene	0.808	0.230		0.230	1.07	0.230		0.230	1.03	0.230		0.230	89.9	6.91		6.91	0.846	0.230		0.230	0.811	0.230		0.230	1.71	0.230		0.230

TABLE 4A
SOIL VAPOR SAMPLE LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Volatile Organic Compounds	Sample Designation and Result (in ppbv)																											
	VP-1				VP-2				VP-3				VP-4				VP-5				Blind Dup of VP-5 (QA/QC) VP-105				VP-6			
	5/18/2015				5/18/2015				5/18/2015				5/27/2015				5/18/2015				5/18/2015				5/18/2015			
	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Methyl Ethyl Ketone	< 0.339	0.339	U	0.339	2.7	0.339		0.339	34.2	0.339		0.339	< 0.339	0.339	U	0.339	< 0.339	0.339	U	0.339	< 0.339	0.339	U	0.339	6.42	0.339		0.339
Methyl tert-butyl ether (MTBE)	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278
Methylene Chloride	1.01	0.288		0.288	2.16	0.288	S	0.288	< 0.288	0.288	U	0.288	1.1	0.288		0.288	< 0.288	0.288	U	0.288	< 0.288	0.288	U	0.288	7.02	0.288		0.288
n-Butylbenzene	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	0.211	0.182		0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182
o-Xylene	0.319	0.230		0.230	0.567	0.230		0.230	0.502	0.230		0.230	54.9	6.91		6.91	0.286	0.230		0.230	0.29	0.230		0.230	0.714	0.230		0.230
Propylene	< 0.581	0.581	U	0.581	< 0.581	0.581	U	0.581	< 23.3	23.3	U	23.3	< 0.581	0.581	U	0.581	< 0.581	0.581	U	0.581	< 0.581	0.581	U	0.581	< 0.581	0.581	U	0.581
sec-Butylbenzene	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182
Styrene	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235	1	0.235		0.235	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235
Tetrachloroethene	0.075	0.037		0.037	0.144	0.037		0.037	0.34	0.037		0.037	0.212	0.037		0.037	0.213	0.037		0.037	0.217	0.037		0.037	1.25	0.037		0.037
Tetrahydrofuran	0.35	0.339		0.339	0.956	0.339		0.339	< 0.339	0.339	U	0.339	2.42	0.339		0.339	< 0.339	0.339	U	0.339	< 0.339	0.339	U	0.339	5.02	0.339		0.339
Toluene	3.56	0.266		0.266	5.31	0.266		0.266	4.96	0.266		0.266	6.58	0.266		0.266	1.6	0.266		0.266	1.31	0.266		0.266	315	2.66		2.66
Trans-1,2-Dichloroethene	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	2.94	0.252		0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252
trans-1,3-Dichloropropene	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221
Trichloroethene	0.095	0.047		0.047	0.191	0.047		0.047	0.88	0.047		0.047	0.1	0.047		0.047	0.21	0.047		0.047	0.194	0.047		0.047	1.25	0.047		0.047
Trichlorofluoromethane	< 0.178	0.178	U	0.178	< 0.178	0.178	U	0.178	0.232	0.178		0.178	< 0.178	0.178	U	0.178	0.291	0.178		0.178	0.279	0.178		0.178	1,100	42.7		42.7
Trichlorotrifluoroethane	< 0.131	0.131	U	0.131	< 0.131	0.131	U	0.131	0.18	0.131		0.131	< 0.131	0.131	U	0.131	0.142	0.131		0.131	< 0.131	0.131	U	0.131	0.928	0.131		0.131
Vinyl Chloride	0.131	0.098		0.098	0.549	0.098		0.098	36.7	0.098		0.098	< 0.098	0.098	U	0.098	8.16	0.098		0.098	3.06	0.098		0.098	5.49	0.098		0.098

Legend:
ppbv = Parts per billion volume/volume concentration
RL = Laboratory Reporting Limit 0.549 = Compound detected and concentration (ppbv)
MDL = Method Detection Limit. The minimum reportable concentration that can be measured with 99% confidence, as defined in 40CFR part 136 (Appendix B).
Qual = Laboratory and/or Data Validation Qualifier:
U = Compound was not detected at or above the MDL.
E = The reported value is estimated because the concentration exceeded the calibration range.
S = This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

Notes:
1. The samples were collected from subsurface soil vapor probes installed by HydroEnvironmental Solutions, Inc. to a total depth of 6-feet below grade.
2. The samples were collected in 6-liter summa canisters with an installed flow regulator. The collected samples were analyzed by Phoenix Environmental Laboratories of Manchester, Connecticut.
3. Data validation performed by Premier Evironmental Services of Merrick, New York.

TABLE 4B
SOIL VAPOR SAMPLE LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

VOLATILE ORGANIC COMPOUNDS	Sample Designation and Result (in ppbv)																							
	VP-7				VP-8				VP-9				VP-10				VP-11				VP-12			
	5/18/2015				5/18/2015				5/18/2015				5/18/2015				5/18/2015				5/18/2015			
	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
1,1,1,2-Tetrachloroethane	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146
1,1,1-Trichloroethane	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	19.4	0.183		0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183
1,1,2,2-Tetrachloroethane	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146	< 0.146	0.146	U	0.146
1,1,2-Trichloroethane	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183	< 0.183	0.183	U	0.183
1,1-Dichloroethane	0.644	0.247		0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	1.01	0.247		0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247
1,1-Dichloroethene	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252
1,2,4-Trichlorobenzene	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135	< 0.135	0.135	U	0.135
1,2,4-Trimethylbenzene	1.03	0.204		0.204	0.968	0.204		0.204	0.967	0.204		0.204	0.908	0.204		0.204	0.914	0.204		0.204	1.04	0.204		0.204
1,2-Dibromoethane(EDB)	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130	< 0.130	0.130	U	0.130
1,2-Dichlorobenzene	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166
1,2-Dichloroethane	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247	< 0.247	0.247	U	0.247
1,2-dichloropropane	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217
1,2-Dichlorotetrafluoroethane	4,330	30.1		30.1	74.8	2.15		2.15	100	4.29		4.29	< 0.143	0.143	U	0.143	5,280	57.3		57.3	76.4	5.73		5.73
1,3,5-Trimethylbenzene	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204
1,3-Butadiene	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452	< 0.452	0.452	U	0.452
1,3-Dichlorobenzene	0.901	0.166		0.166	0.596	0.166		0.166	0.587	0.166		0.166	0.363	0.166		0.166	1.06	0.166		0.166	0.631	0.166		0.166
1,4-Dichlorobenzene	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166	< 0.166	0.166	U	0.166
1,4-Dioxane	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278
2-Hexanone(MBK)	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244	< 0.244	0.244	U	0.244
4-Ethyltoluene	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204
4-Isopropyltoluene	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182
4-Methyl-2-pentanone(MIBK)	< 0.244	0.244	U	0.244	0.389	0.244		0.244	< 0.244	0.244	U	0.244	0.327	0.244		0.244	< 0.244	0.244	U	0.244	0.4	0.244		0.244
Acetone	< 88.5	88.5	U	88.5	42.2	6.32	S	6.32	133	12.6		12.6	35.4	4.21	S	4.21	41.1	16.8	S	16.8	64.6	16.8	S	16.8
Acrylonitrile	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461	< 0.461	0.461	U	0.461
Benzene	21.5	0.313		0.313	1.21	0.313		0.313	9.09	0.313		0.313	< 0.313	0.313	U	0.313	0.651	0.313		0.313	< 0.313	0.313	U	0.313
Benzyl chloride	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193	< 0.193	0.193	U	0.193
Bromodichloromethane	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149	< 0.149	0.149	U	0.149
Bromoform	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097	< 0.097	0.097	U	0.097
Bromomethane	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258	< 0.258	0.258	U	0.258
Carbon Disulfide	18.8	0.321		0.321	< 0.321	0.321	U	0.321	0.369	0.321		0.321	0.424	0.321		0.321	< 0.321	0.321	U	0.321	0.359	0.321		0.321
Carbon Tetrachloride	< 0.040	0.040	U	0.040	< 0.040	0.040	U	0.040	< 0.040	0.040	U	0.040	< 0.040	0.040	U	0.040	< 0.040	0.040	U	0.040	< 0.040	0.040	U	0.040
Chlorobenzene	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217	< 0.217	0.217	U	0.217
Chloroethane	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379	< 0.379	0.379	U	0.379
Chloroform	0.832	0.205		0.205	0.303	0.205		0.205	0.583	0.205		0.205	0.896	0.205		0.205	0.809	0.205		0.205	< 0.205	0.205	U	0.205
Chloromethane	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485	< 0.485	0.485	U	0.485
Cis-1,2-Dichloroethene	5.28	0.252		0.252	< 0.252	0.252	U	0.252	0.581	0.252		0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252
cis-1,3-Dichloropropene	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221
Cyclohexane	10.1	0.291		0.291	< 0.291	0.291	U	0.291	50.8	8.72		8.72	< 0.291	0.291	U	0.291	4.73	0.291		0.291	< 0.291	0.291	U	0.291
Dibromochloromethane	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118	< 0.118	0.118	U	0.118
Dichlorodifluoromethane	4,670	42.5		42.5	305	3.04		3.04	276	6.07		6.07	282	3.04		3.04	8,320	80.9		80.9	587	8.09		8.09
Ethanol	9.88	0.531	S	0.531	2.92	0.531	S	0.531	7.12	0.531		0.531	3.93	0.531	S	0.531	2.93	0.531	S	0.531	3.08	0.531	S	0.531

TABLE 4B
SOIL VAPOR SAMPLE LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

VOLATILE ORGANIC COMPOUNDS	Sample Designation and Result (in ppbv)																							
	VP-7				VP-8				VP-9				VP-10				VP-11				VP-12			
	5/18/2015				5/18/2015				5/18/2015				5/18/2015				5/18/2015				5/18/2015			
	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Ethyl acetate	< 0.278	0.278	U	0.278	0.297	0.278		0.278	< 0.278	0.278	U	0.278	0.347	0.278		0.278	< 0.278	0.278	U	0.278	< 0.278	0.278	U	0.278
Ethylbenzene	0.343	0.230		0.230	< 0.230	0.230	U	0.230	0.467	0.230		0.230	0.271	0.230		0.230	0.285	0.230		0.230	0.237	0.230		0.230
Heptane	3.57	0.244		0.244	0.502	0.244		0.244	15.6	0.244		0.244	0.438	0.244		0.244	0.738	0.244		0.244	0.463	0.244		0.244
Hexachlorobutadiene	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094	< 0.094	0.094	U	0.094
Hexane	10.5	0.284	S	0.284	0.369	0.284	S	0.284	37.6	0.284		0.284	0.785	0.284	S	0.284	8.62	0.284	S	0.284	0.453	0.284	S	0.284
Isopropylalcohol	413	0.407	SE	0.407	346	6.11	S	6.11	289	12.2		12.2	318	4.07	S	4.07	235	16.3	S	16.3	403	0.407	SE	0.407
Isopropylbenzene	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204	< 0.204	0.204	U	0.204
m,p-Xylene	0.931	0.230		0.230	0.782	0.230		0.230	1.29	0.230		0.230	0.929	0.230		0.230	0.947	0.230		0.230	0.818	0.230		0.230
Methyl Ethyl Ketone	6.8	0.339		0.339	1.22	0.339		0.339	2.5	0.339		0.339	1.03	0.339		0.339	1.64	0.339		0.339	1.34	0.339		0.339
Methyl tert-butyl ether (MTBE)	< 0.278	0.278	U	0.278	2.05	0.278		0.278	< 0.278	0.278	U	0.278	1.73	0.278		0.278	< 0.278	0.278	U	0.278	2.02	0.278		0.278
Methylene Chloride	12.9	0.288	S	0.288	< 0.288	0.288	U	0.288	0.612	0.288		0.288	6.01	0.288	S	0.288	1.23	0.288	S	0.288	< 0.288	0.288	U	0.288
n-Butylbenzene	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182
o-Xylene	0.401	0.230		0.230	0.267	0.230		0.230	0.514	0.230		0.230	0.323	0.230		0.230	0.335	0.230		0.230	0.275	0.230		0.230
Propylene	249	122		122	< 0.581	0.581	U	0.581	< 0.581	0.581	U	0.581	< 0.581	0.581	U	0.581	21	0.581		0.581	< 0.581	0.581	U	0.581
sec-Butylbenzene	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182	< 0.182	0.182	U	0.182
Styrene	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235	< 0.235	0.235	U	0.235
Tetrachloroethene	10.4	0.037		0.037	0.408	0.037		0.037	0.285	0.037		0.037	0.997	0.037		0.037	1.34	0.037		0.037	0.472	0.037		0.037
Tetrahydrofuran	4.82	0.339		0.339	0.559	0.339		0.339	2.34	0.339		0.339	< 0.339	0.339	U	0.339	< 0.339	0.339	U	0.339	0.579	0.339		0.339
Toluene	11.4	0.266		0.266	3.79	0.266		0.266	7.29	0.266		0.266	5.32	0.266		0.266	4.94	0.266		0.266	3.8	0.266		0.266
Trans-1,2-Dichloroethene	1.17	0.252		0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252	< 0.252	0.252	U	0.252
trans-1,3-Dichloropropene	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221	< 0.221	0.221	U	0.221
Trichloroethene	4.76	0.047		0.047	0.141	0.047		0.047	0.281	0.047		0.047	0.175	0.047		0.047	0.368	0.047		0.047	0.048	0.047		0.047
Trichlorofluoromethane	404	37.4		37.4	17.9	0.178		0.178	11.3	0.178		0.178	6.22	0.178		0.178	25.1	0.178		0.178	6.72	0.178		0.178
Trichlorotrifluoroethane	0.183	0.131		0.131	< 0.131	0.131	U	0.131	< 0.131	0.131	U	0.131	0.254	0.131		0.131	1.77	0.131		0.131	0.176	0.131		0.131
Vinyl Chloride	33.1	0.098		0.098	< 0.098	0.098	U	0.098	0.313	0.098		0.098	< 0.098	0.098	U	0.098	< 0.098	0.098	U	0.098	< 0.098	0.098	U	0.098

Legend:
ppbv = Parts per billion volume/volume concentration
RL = Laboratory Reporting Limit
0.549 = Compound detected and concentration (ppbv)
MDL = Method Detection Limit. The minimum reportable concentration that can be measured with 99% confidence, as defined in 40CFR part 136 (Appendix B).
Qual = Laboratory and/or Data Validation Qualifier:
U = Compound was not detected at or above the MDL.
E = The reported value is estimated because the concentration exceeded the calibration range.
S = This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

Notes:
1. The samples were collected from subsurface soil vapor probes installed by HydroEnvironmental Solutions, Inc. to a total depth of 6-feet below grade.
2. The samples were collected in 6-liter summa canisters with an installed flow regulator. The collected samples were analyzed by Phoenix Environmental Laboratories of Manchester, Connecticut.
3. Data validation performed by Premier Evironmental Services of Merrick, New York.

TABLE 4C
SOIL VAPOR SAMPLE LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Volatile Organic Compounds	Sample Designation and Result (in µg/m^3)																											
	VP-13				Blind Dup of VP-13 (QA/QC) VP-113				VP14				VP-15				VP-16				VP-17				VP-18			
	8/24/2015				8/24/2015				8/24/2015				8/24/2015				8/24/2015				8/24/2015				8/25/2015			
	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
1,1,1,2-Tetrachloroethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,1,1-Trichloroethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	2.18	1.00		1.00	2.04	1.00		1.00	12.2	1.00		1.00	< 1.00	1.00	U	1.00	22.7	1.00		1.00
1,1,2,2-Tetrachloroethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,1,2-Trichloroethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,1-Dichloroethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	2.14	1.00		1.00	< 1.00	1.00	U	1.00
1,1-Dichloroethene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2,4-Trichlorobenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2,4-Trimethylbenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	4.66	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	2.08	1.00		1.00
1,2-Dibromoethane(EDB)	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-Dichlorobenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-Dichloroethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-dichloropropane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-Dichlorotetrafluoroethane	34.1	1.00		1.00	28.2	1.00		1.00	3,550	30.0		30.0	344,000	3,000		3000	155,000	1,500		1500	4,970	150		150	240	9.99		9.99
1,3,5-Trimethylbenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.04	1.00		1.00	1.24	1.00		1.00	1.41	1.00		1.00	< 1.00	1.00	U	1.00
1,3-Butadiene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,3-Dichlorobenzene	46.1	1.00		1.00	23.4	1.00		1.00	21.9	1.00		1.00	46	1.00		1.00	33.6	1.00		1.00	51	1.00		1.00	1.27	1.00		1.00
1,4-Dichlorobenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,4-Dioxane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
2-Hexanone(MBK)	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
4-Ethyltoluene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
4-Isopropyltoluene	1.06	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.15	1.00		1.00	1.14	1.00		1.00	1.44	1.00		1.00	2.45	1.00		1.00
4-Methyl-2-pentanone(MIBK)	4.18	1.00		1.00	15.4	1.00		1.00	< 1.00	1.00	U	1.00	5.73	1.00		1.00	< 1.00	1.00	U	1.00	8.23	1.00		1.00	< 1.00	1.00	U	1.00
Acetone	104	3.99	S	3.99	146	3.99	S	3.99	< 1.00	1.00	U	1.00	138	9.99	S	9.99	297	120	S	120	370	150	S	150	90.9	9.99	S	9.99
Acrylonitrile	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Benzene	1.12	1.00		1.00	< 1.00	1.00	U	1.00	38.3	1.00		1.00	2.71	1.00		1.00	61.3	1.00		1.00	5.04	1.00		1.00	< 1.00	1.00	U	1.00
Benzyl chloride	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Bromodichloromethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	6.3	1.00		1.00
Bromoform	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Bromomethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Carbon Disulfide	2.21	1.00		1.00	2.15	1.00		1.00	2.96	1.00		1.00	2.11	1.00		1.00	8.03	1.00		1.00	< 1.00	1.00	U	1.00	2.44	1.00		1.00
Carbon Tetrachloride	0.6	0.25		0.25	0.57	0.25		0.25	0.34	0.25		0.25	0.28	0.25		0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	6.66	0.25		0.25
Chlorobenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Chloroethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Chloroform	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	6	1.00		1.00	66.4	1.00		1.00	7.51	1.00		1.00	34.9	1.00		1.00
Chloromethane	1.25	1.00		1.00	1.53	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Cis-1,2-Dichloroethene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	27.2	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
cis-1,3-Dichloropropene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Cyclohexane	1.2	1.00		1.00	1.28	1.00		1.00	151	30.0		30.0	2.07	1.00		1.00	433	120		120	1.31	1.00		1.00	< 1.00	1.00	U	1.00
Dibromochloromethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Dichlorodifluoromethane	7.61	1.00		1.00	7.76	1.00		1.00	4,350	30.0		30.0	97,900	1,200		1200	173,000	1,500		1500	8,250	150		150	509	9.98		9.98
Ethanol	44.1	1.00	S	1.00	69.3	1.00	S	1.00	36	1.00	S	1.00	24.7	1.00	S	1.00	22	1.00	S	1.00	28.6	1.00	S	1.00	20.1	1.00	S	1.00
Ethyl acetate	< 1.00	1.00	U	1.00	1.16	1.00		1.00	< 1.00	1.00	U	1.00	3.18	1.00		1.00	< 1.00	1.00	U	1.00	1.79	1.00		1.00	1.65	1.00		1.00

TABLE 4C
SOIL VAPOR SAMPLE LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #360143

Volatile Organic Compounds	Sample Designation and Result (in µg/m^3)																											
	VP-13				Blind Dup of VP-13 (QA/QC) VP-113				VP14				VP-15				VP-16				VP-17				VP-18			
	8/24/2015				8/24/2015				8/24/2015				8/24/2015				8/24/2015				8/24/2015				8/25/2015			
	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Ethylbenzene	3.25	1.00		1.00	3.56	1.00		1.00	3.33	1.00		1.00	4.64	1.00		1.00	7.51	1.00		1.00	5.73	1.00		1.00	2.35	1.00		1.00
Heptane	1.31	1.00		1.00	1.64	1.00		1.00	81.5	1.00		1.00	2.17	1.00		1.00	< 120	120	U	120	1.88	1.00		1.00	1.27	1.00		1.00
Hexachlorobutadiene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Hexane	2.25	1.00	S	1.00	2.26	1.00	S	1.00	281	30.0	S	30.0	3.08	1.00	S	1.00	326	120	S	120	2.77	1.00	S	1.00	1.91	1.00	S	1.00
Isopropylalcohol	1,390	4.00	SE	4.00	732	4.00	SE	4.00	801	1.00	SE	1.00	791	10.0	S	10.0	295	1.00	SE	1.00	1,100	1.00	SE	1.00	20.1	1.00	S	1.00
Isopropylbenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
m,p-Xylene	11.4	1.00		1.00	13.6	1.00		1.00	9.68	1.00		1.00	14.3	1.00		1.00	18.1	1.00		1.00	17.4	1.00		1.00	8.38	1.00		1.00
Methyl Ethyl Ketone	2.44	1.00		1.00	3.09	1.00		1.00	8.16	1.00		1.00	3.74	1.00		1.00	6.57	1.00		1.00	5.63	1.00		1.00	5.13	1.00		1.00
Methyl tert-butyl ether(MTBE)	3.68	1.00		1.00	2.3	1.00		1.00	< 1.00	1.00	U	1.00	2.81	1.00		1.00	< 1.00	1.00	U	1.00	3.22	1.00		1.00	< 1.00	1.00	U	1.00
Methylene Chloride	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	9.16	1.00	S	1.00	1.12	1.00	S	1.00	6.91	1.00	S	1.00	2.96	1.00	S	1.00	3.96	1.00	S	1.00
n-Butylbenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
o-Xylene	3.74	1.00		1.00	4.47	1.00		1.00	3.88	1.00		1.00	5.08	1.00		1.00	7.07	1.00		1.00	6.21	1.00		1.00	2.39	1.00		1.00
Propylene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
sec-Butylbenzene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Styrene	1.09	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.49	1.00		1.00	1.42	1.00		1.00	1.94	1.00		1.00	5.66	1.00		1.00
Tetrachloroethene	0.73	0.25		0.25	0.95	0.25		0.25	4.49	0.25		0.25	44.5	0.25		0.25	16.2	0.25		0.25	84.7	0.25		0.25	259	2.50		2.50
Tetrahydrofuran	< 1.00	1.00	U	1.00	1.64	1.00		1.00	< 1.00	1.00	U	1.00	1.17	1.00		1.00	6.43	1.00		1.00	1.66	1.00		1.00	3.6	1.00		1.00
Toluene	3.76	1.00		1.00	3.41	1.00		1.00	< 1.00	1.00	U	1.00	19	1.00		1.00	81.4	1.00		1.00	19.3	1.00		1.00	6.06	1.00		1.00
Trans-1,2-Dichloroethene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	5.27	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
trans-1,3-Dichloropropene	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Trichloroethene	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	31.1	0.25		0.25	0.52	0.25		0.25	12.5	0.25		0.25	1.22	0.25		0.25	459	2.50		2.50
Trichlorofluoromethane	1.44	1.00		1.00	1.62	1.00		1.00	11.9	1.00		1.00	543	9.99		9.99	198,000	1,500		1500	1,090	150		150	36.1	1.00		1.00
Trichlorotrifluoroethane	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.51	1.00		1.00	5.18	1.00		1.00	174	1.00		1.00	1.26	1.00		1.00	< 1.00	1.00	U	1.00
Vinyl Chloride	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	60	0.25		0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25

Legend:
µg/m3 = micrograms per cubic meter (concentration)
RL = Laboratory Reporting Limit 84.6 = Compound detected and concentration (µg/m3)
MDL = Method Detection Limit. The minimum reportable concentration that can be measured with 99% confidence, as defined in 40CFR part 136 (Appendix B).
Qual = Laboratory and/or Data Validation Qualifier:
U = Compound was not detected at or above the MDL.
E = The reported value is estimated because the concentration exceeded the calibration range.
S = This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

Notes:
1. The samples were collected from subsurface soil vapor probes installed by HydroEnvironmental Solutions, Inc. to a total depth of 6-feet below grade.
2. The samples were collected in 6-liter summa canisters with an installed flow regulator. The collected samples were analyzed by Phoenix Environmental Laboratories of Manchester, Connecticut.
3. Data validation performed by Premier Evironmental Services of Merrick, New York.

TABLE 5A
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id Collection Date Client Id Matrix Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	BJ03572 4/15/2015 TB-1 (10-12) Solid				BJ03573 4/15/2015 TB-1 (20-22) Solid				BJ03574 4/15/2015 TB-101 (20-22) Solid				BJ03575 4/15/2015 TB-1 (14-22) Solid				BJ03576 4/15/2015 TB-101 (14-22) Solid				BJ03570 4/15/2015 TB-2 (2-4) Solid				BJ03571 4/15/2015 TB-2 (18-20) Solid			
						Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles (TCL) By SW8260C																																
1,1,1-Trichloroethane	ug/kg	100,000	100,000	680	500,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
1,1,2,2-Tetrachloroethane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
1,1,2-Trichloroethane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
1,1-Dichloroethane	ug/kg	19,000	26,000	270	240,000	< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
1,1-Dichloroethene	ug/kg	100,000	100,000	330	500,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
1,2,3-Trichlorobenzene	ug/kg					< 5.1	5.1	U	1.0	< 250	250	U	50	< 330	330	U	65									< 290	290	U	57	< 6.3	6.3	U	1.3
1,2,4-Trichlorobenzene	ug/kg					< 5.1	5.1	U	1.0	< 250	250	U	50	< 330	330	U	65									< 290	290	U	57	< 6.3	6.3	U	1.3
1,2-Dibromo-3-chloropropane	ug/kg					< 5.1	5.1	U	1.0	< 250	250	U	50	< 330	330	U	65									< 290	290	U	57	< 6.3	6.3	U	1.3
1,2-Dibromoethane	ug/kg					< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
1,2-Dichlorobenzene	ug/kg	100,000	100,000	1,100	500,000	< 5.1	5.1	U	0.51	< 250	250	U	25	< 330	330	U	33									< 290	290	U	29	< 6.3	6.3	U	0.63
1,2-Dichloroethane	ug/kg	2,300	3,100	20	30,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
1,2-Dichloropropane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
1,3-Dichlorobenzene	ug/kg	17,000	49,000	2,400	280,000	< 5.1	5.1	U	0.51	< 250	250	U	25	< 330	330	U	33									< 290	290	U	29	< 6.3	6.3	U	0.63
1,4-Dichlorobenzene	ug/kg	9,800	13,000	1,800	130,000	< 5.1	5.1	U	0.51	< 250	250	U	25	< 330	330	U	33									< 290	290	U	29	< 6.3	6.3	U	0.63
2-Hexanone	ug/kg					< 26	26	U	5.1	< 25	25	U	5.0	< 19	19	U	3.8									< 33	33	U	6.7	< 32	32	U	6.3
4-Methyl-2-pentanone	ug/kg					< 26	26	U	5.1	< 25	25	U	5.0	< 19	19	U	3.8									< 33	33	U	6.7	< 32	32	U	6.3
Acetone	ug/kg	100,000	100,000	50	500,000	52	51	S	5.1	60	50	S	5.0	46	38	S	3.8									43	67	JS	6.7	20	63	JS	6.3
Benzene	ug/kg	2,900	4,800	60	44,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Bromochloromethane	ug/kg					< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Bromodichloromethane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Bromoform	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Bromomethane	ug/kg					< 5.1	5.1	U	2.0	< 5.0	5.0	U	2.0	< 3.8	3.8	U	1.5									< 6.7	6.7	U	2.7	< 6.3	6.3	U	2.5
Carbon disulfide	ug/kg					1.3	5.1	J	0.51	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Carbon tetrachloride	ug/kg	1,400	2,400	760	22,000	< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Chlorobenzene	ug/kg	100,000	100,000	1,100	500,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Chloroethane	ug/kg					< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Chloroform	ug/kg	10,000	49,000	370	350,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Chloromethane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
cis-1,2-Dichloroethene	ug/kg	59,000	100,000	250	500,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
cis-1,3-Dichloropropene	ug/kg					< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Cyclohexane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Dibromochloromethane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Dichlorodifluoromethane	ug/kg					< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	8	6.3		0.63
Ethylbenzene	ug/kg	30,000	41,000	1,000	390,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									140	290	J	29	< 6.3	6.3	U	0.63
Isopropylbenzene	ug/kg					< 5.1	5.1	U	0.51	< 250	250	U	25	< 330	330	U	33									< 290	290	U	29	< 6.3	6.3	U	0.63
m&p-Xylene	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									290	290		57	91	290	J	57
Methyl ethyl ketone	ug/kg	100,000	100,000	120	500,000	11	31	J	5.1	20	30	J	5.0	12	23	J	3.8									< 40	40	U	6.7	< 38	38	U	6.3
Methyl t-butyl ether (MTBE)	ug/kg	62,000	100,000	930	500,000	< 10	10	U	1.0	< 10	10	U	1.0	< 7.5	7.5	U	0.75									< 13	13	U	1.3	< 13	13	U	1.3
Methylacetate	ug/kg					< 5.1	5.1	U	2.6	< 5.0	5.0	U	2.5	< 3.8	3.8	U	1.9									< 6.7	6.7	U	3.3	< 6.3	6.3	U	3.2
Methylcyclohexane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Methylene chloride	ug/kg	51,000	100,000	50	500,000	< 5.1	5.1	U	5.1	< 5.0	5.0	U	5.0	< 3.8	3.8	U	3.8									< 6.7	6.7	U	6.7	< 6.3	6.3	U	6.3
o-Xylene	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									92	290	J	57	< 6.3	6.3	U	1.3
Styrene	ug/kg					< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Tetrachloroethene	ug/kg	5,500	19,000	1,300	150,000	< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Toluene	ug/kg	100,000	100,000	700	500,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									49	290	J	29	< 6.3	6.3	U	0.63
Total Xylenes	ug/kg		100,000	260	500,000	< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									380	290		57	< 290	290	U	57
trans-1,2-Dichloroethene	ug/kg	100,000	100,000	190	500,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63

TABLE 5A
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix					BJ03572 4/15/2015 TB-1 (10-12) Solid				BJ03573 4/15/2015 TB-1 (20-22) Solid				BJ03574 4/15/2015 TB-101 (20-22) Solid				BJ03575 4/15/2015 TB-1 (14-22) Solid				BJ03576 4/15/2015 TB-101 (14-22) Solid				BJ03570 4/15/2015 TB-2 (2-4) Solid				BJ03571 4/15/2015 TB-2 (18-20) Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
trans-1,3-Dichloropropene	ug/kg					< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Trichloroethene	ug/kg	10,000	21,000	470	200,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Trichlorofluoromethane	ug/kg					< 5.1	5.1	U	1.0	< 5.0	5.0	U	1.0	< 3.8	3.8	U	0.75									< 6.7	6.7	U	1.3	< 6.3	6.3	U	1.3
Trichlorotrifluoroethane	ug/kg					< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
Vinyl chloride	ug/kg	210	900	20	13,000	< 5.1	5.1	U	0.51	< 5.0	5.0	U	0.50	< 3.8	3.8	U	0.38									< 6.7	6.7	U	0.67	< 6.3	6.3	U	0.63
1,4-dioxane By SW8260C																																	
1,4-dioxane	ug/kg	9,800	13,000	100	130,000	< 100	100	U	41	< 100	100	U	40	< 75	75	U	30									< 130	130	U	53	< 130	130	U	51
Semivolatiles By SW8270D																																	
1,1-Biphenyl	ug/Kg					< 270	270	U	120									< 280	280	U	120	< 280	280	U	120	< 6400	6,400	U	2800	< 260	260	U	120
1,2,4,5-Tetrachlorobenzene	ug/Kg					< 270	270	U	140									< 280	280	U	140	< 280	280	U	140	< 6400	6,400	U	3200	< 260	260	U	130
2,3,4,6-tetrachlorophenol	ug/Kg					< 270	270	U	180									< 280	280	U	190	< 280	280	U	190	< 6400	6,400	U	4300	< 260	260	U	180
2,4,5-Trichlorophenol	ug/Kg					< 270	270	U	210									< 280	280	U	220	< 280	280	U	220	< 6400	6,400	U	5000	< 260	260	U	210
2,4,6-Trichlorophenol	ug/Kg					< 150	150	U	120									< 160	160	U	130	< 160	160	U	130	< 3700	3,700	U	2900	< 150	150	U	120
2,4-Dichlorophenol	ug/Kg					< 150	150	U	140									< 160	160	U	140	< 160	160	U	140	< 3700	3,700	U	3200	< 150	150	U	130
2,4-Dimethylphenol	ug/Kg					< 270	270	U	96									< 280	280	U	100	< 280	280	U	100	< 6400	6,400	U	2300	< 260	260	U	94
2,4-Dinitrophenol	ug/Kg					< 270	270	U	270									< 280	280	U	280	< 280	280	U	280	< 6400	6,400	U	6400	< 260	260	U	260
2,4-Dinitrotoluene	ug/Kg					< 150	150	U	150									< 160	160	U	160	< 160	160	U	160	< 3700	3,700	U	3600	< 150	150	U	150
2,6-Dinitrotoluene	ug/Kg					< 150	150	U	120									< 160	160	U	130	< 160	160	U	130	< 3700	3,700	U	2900	< 150	150	U	120
2-Chloronaphthalene	ug/Kg					< 270	270	U	110									< 280	280	U	120	< 280	280	U	110	< 6400	6,400	U	2600	< 260	260	U	110
2-Chlorophenol	ug/Kg					< 270	270	U	110									< 280	280	U	120	< 280	280	U	110	< 6400	6,400	U	2600	< 260	260	U	110
2-Methylnaphthalene	ug/Kg					< 270	270	U	110									170	280	J	120	220	280	J	120	< 6400	6,400	U	2700	< 260	260	U	110
2-Methylphenol (o-cresol)	ug/Kg	100,000	100,000	330	500,000	< 270	270	U	180									< 280	280	U	190	< 280	280	U	190	< 6400	6400	U	4300	< 260	260	U	180
2-Nitroaniline	ug/Kg					< 1900	1,900	U	390									< 2000	2,000	U	410	< 2000	2,000	U	410	< 46000	46,000	U	9200	< 1900	1,900	U	380
2-Nitrophenol	ug/Kg					< 270	270	U	240									< 280	280	U	260	< 280	280	U	250	< 6400	6,400	U	5800	< 260	260	U	240
3&4-Methylphenol (m&p-cresol)	ug/Kg					< 270	270	U	150									420	280		160	880	280		160	< 6400	6,400	U	3600	740	260		150
3,3'-Dichlorobenzidine	ug/Kg					< 150	150	U	150									< 160	160	U	160	< 160	160	U	160	< 3700	3,700	U	3700	< 150	150	U	150
3-Nitroaniline	ug/Kg					< 1900	1,900	U	840									< 2000	2,000	U	880	< 2000	2,000	U	870	< 46000	46,000	U	20000	< 1900	1,900	U	820
4,6-Dinitro-2-methylphenol	ug/Kg					< 270	270	U	270									< 280	280	U	280	< 280	280	U	280	< 6400	6,400	U	6400	< 260	260	U	260
4-Bromophenyl phenyl ether	ug/Kg					< 270	270	U	110									< 280	280	U	120	< 280	280	U	120	< 6400	6,400	U	2700	< 260	260	U	110
4-Chloro-3-methylphenol	ug/Kg					< 270	270	U	140									< 280	280	U	140	< 280	280	U	140	< 6400	6,400	U	3200	< 260	260	U	130
4-Chloroaniline	ug/Kg					< 770	770	U	180									< 810	810	U	190	< 800	800	U	190	< 18000	18,000	U	4300	< 750	750	U	180
4-Chlorophenyl phenyl ether	ug/Kg					< 270	270	U	130									< 280	280	U	140	< 280	280	U	130	< 6400	6,400	U	3100	< 260	260	U	130
4-Nitroaniline	ug/Kg					< 1900	1,900	U	130									< 2000	2,000	U	140	< 2000	2,000	U	130	< 46000	46,000	U	3100	< 1900	1,900	U	130
4-Nitrophenol	ug/Kg					< 270	270	U	170									< 280	280	U	180	< 280	280	U	180	< 6400	6,400	U	4100	< 260	260	U	170
Acenaphthene	ug/Kg	100,000	100,000	20,000	500,000	< 270	270	U	120									< 280	280	U	120	< 280	280	U	120	< 6400	6,400	U	2800	< 260	260	U	110
Acenaphthylene	ug/Kg	100,000	100,000	100,000	500,000	< 150	150	U	110									< 160	160	U	110	< 160	160	U	110	< 3700	3,700	U	2600	< 150	150	U	110
Acetophenone	ug/Kg					< 270	270	U	120									< 280	280	U	130	< 280	280	U	130	< 6400	6,400	U	2900	< 260	260	U	120
Anthracene	ug/Kg	100,000	100,000	100,000	500,000	< 270	270	U	130									< 280	280	U	130	< 280	280	U	130	< 6400	6,400	U	3000	< 260	260	U	120
Atrazine	ug/Kg					< 150	150	U	150									< 160	160	U	160	< 160	160	U	160	< 3700	3,700	U	3700	< 150	150	U	150
Benz(a)anthracene	ug/Kg	1,000	1,000	1,000	5,600	< 270	270	U	130									540	280		140	570	280		130	< 6400	6,400	U	3100	< 260	260	U	130
Benzaldehyde	ug/Kg					< 270	270	U	110									< 280	280	U	120	< 280	280	U	120	< 6400	6,400	U	2700	< 260	260	U	110
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,000	1,000	< 150	150	U	130									430	160		130	470	160		130	< 3700	3,700	U	3000	< 150	150	U	120
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	1,000	5,600	< 270	270	U	130									570	280		140	630	280		140	< 6400	6,400	U	3100	< 260	260	U	130
Benzo(ghi)perylene	ug/Kg	100,000	100,000	100,000	500,000	< 270	270	U	120									140	280	J	130	170	280	J	130	< 6400	6,400	U	3000	< 260	260	U	120
Benzo(k)fluoranthene	ug/Kg	1,000	3,900	800	56,000	< 270	270	U	130									250	280	J	130	240	280	J	130	< 6400	6,400	U	3000	< 260	260	U	130
Benzyl butyl phthalate	ug/Kg					< 270	270	U	100									< 280	280	U	100	< 280	280	U	100	< 6400	6,400	U	2400	< 260	260	U	97
Bis(2-chloroethoxy)methane	ug/Kg					< 270	270	U	110									< 280	280	U	110	< 280	280	U	110	< 6400	6,400	U	2500	< 260	260	U	100

TABLE 5A
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id Collection Date Client Id Matrix					BJ03572 4/15/2015 TB-1 (10-12) Solid				BJ03573 4/15/2015 TB-1 (20-22) Solid				BJ03574 4/15/2015 TB-101 (20-22) Solid				BJ03575 4/15/2015 TB-1 (14-22) Solid				BJ03576 4/15/2015 TB-101 (14-22) Solid				BJ03570 4/15/2015 TB-2 (2-4) Solid				BJ03571 4/15/2015 TB-2 (18-20) Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Bis(2-chloroethyl)ether	ug/Kg					< 150	150	U	100									< 160	160	U	110	< 160	160	U	110	< 3700	3,700	U	2500	< 150	150	U	100
Bis(2-chloroisopropyl)ether	ug/Kg					< 270	270	U	110									< 280	280	U	110	< 280	280	U	110	< 6400	6,400	U	2500	< 260	260	U	100
Bis(2-ethylhexyl)phthalate	ug/Kg					< 270	270	U	110									240	280	J	120	7,600	1,400		580	32,000	6,400		2600	560	260		110
Caprolactam	ug/Kg					< 270	270	U	270									< 280	280	U	280	< 280	280	U	280	< 6400	6,400	U	6400	< 260	260	U	260
Carbazole	ug/Kg					< 1900	1,900	U	290									< 2000	2,000	U	310	< 2000	2,000	U	300	< 46000	46,000	U	6900	< 1900	1,900	U	290
Chrysene	ug/Kg	1,000	3,900	1,000	56,000	< 270	270	U	130									470	280		140	470	280		130	< 6400	6,400	U	3100	< 260	260	U	130
Dibenz(a,h)anthracene	ug/Kg	330	330	330	560	< 150	150	U	120									< 160	160	U	130	< 160	160	U	130	< 3700	3,700	U	3000	< 150	150	U	120
Dibenzofuran	ug/Kg			7,000		< 270	270	U	110									< 280	280	U	120	< 280	280	U	120	< 6400	6,400	U	2700	< 260	260	U	110
Diethyl phthalate	ug/Kg					< 270	270	U	120									< 280	280	U	130	< 280	280	U	130	< 6400	6,400	U	2900	< 260	260	U	120
Dimethylphthalate	ug/Kg					< 270	270	U	120									< 280	280	U	130	< 280	280	U	120	< 6400	6,400	U	2800	< 260	260	U	120
Di-n-butylphthalate	ug/Kg					< 270	270	U	100									< 280	280	U	110	< 280	280	U	110	< 6400	6,400	U	2400	< 260	260	U	100
Di-n-octylphthalate	ug/Kg					< 270	270	U	100									< 280	280	U	100	< 280	280	U	100	< 6400	6,400	U	2400	< 260	260	U	97
Fluoranthene	ug/Kg	100,000	100,000	100,000	500,000	< 270	270	U	120									930	280		130	990	280		130	< 6400	6,400	U	3000	< 260	260	U	120
Fluorene	ug/Kg	100,000	100,000	30,000	500,000	< 270	270	U	130									310	280		130	140	280	J	130	< 6400	6,400	U	3000	< 260	260	U	120
Hexachlorobenzene	ug/Kg					< 150	150	U	110									< 160	160	U	120	< 160	160	U	120	< 3700	3,700	U	2700	< 150	150	U	110
Hexachlorobutadiene	ug/Kg					< 270	270	U	140									< 280	280	U	150	< 280	280	U	150	< 6400	6,400	U	3300	< 260	260	U	140
Hexachlorocyclopentadiene	ug/Kg					< 270	270	U	120									< 280	280	U	120	< 280	280	U	120	< 6400	6,400	U	2800	< 260	260	U	120
Hexachloroethane	ug/Kg					< 150	150	U	120									< 160	160	U	120	< 160	160	U	120	< 3700	3,700	U	2700	< 150	150	U	110
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	500	5,600	< 270	270	U	130									140	280	J	130	160	280	J	130	< 6400	6,400	U	3000	< 260	260	U	130
Isophorone	ug/Kg					< 150	150	U	110									< 160	160	U	110	< 160	160	U	110	< 3700	3,700	U	2600	< 150	150	U	110
Naphthalene	ug/Kg	100,000	100,000	12,000	500,000	< 270	270	U	110									< 280	280	U	120	< 280	280	U	120	< 6400	6,400	U	2600	< 260	260	U	110
Nitrobenzene	ug/Kg					< 150	150	U	140									< 160	160	U	140	< 160	160	U	140	< 3700	3,700	U	3200	< 150	150	U	130
N-Nitrosodimethylamine	ug/Kg					< 270	270	U	110									< 280	280	U	110	< 280	280	U	110	< 6400	6,400	U	2600	< 260	260	U	110
N-Nitrosodi-n-propylamine	ug/Kg					< 150	150	U	120									< 160	160	U	130	< 160	160	U	130	< 3700	3,700	U	3000	< 150	150	U	120
N-Nitrosodiphenylamine	ug/Kg					< 150	150	U	150									< 160	160	U	160	< 160	160	U	150	< 3700	3,700	U	3500	< 150	150	U	140
Pentachlorophenol	ug/Kg	2,400	6,700	800	6,700	< 270	270	U	150									< 280	280	U	150	< 280	280	U	150	< 6400	6,400	U	3500	< 260	260	U	140
Phenanthrene	ug/Kg	100,000	100,000	100,000	500,000	< 150	150	U	110									380	160		120	220	160		110	< 3700	3,700	U	2600	< 150	150	U	110
Phenol	ug/Kg	100,000	100,000	330	500,000	< 270	270	U	120									< 280	280	U	130	< 280	280	U	130	< 6400	6,400	U	2900	< 260	260	U	120
Pyrene	ug/Kg	100,000	100,000	100,000	500,000	< 270	270	U	130									780	280		140	810	280		140	< 6400	6,400	U	3100	< 260	260	U	130
PCBs By SW8082A																																	
PCB-1016	ug/Kg	1,000		100		< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
PCB-1221	ug/Kg	1,000		100		< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
PCB-1232	ug/Kg	1,000		100		< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
PCB-1242	ug/Kg	1,000		100		< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
PCB-1248	ug/Kg	1,000		100		< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
PCB-1254	ug/Kg	1,000		100		< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
PCB-1260	ug/Kg	1,000		100		< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
PCB-1262	ug/Kg					< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
PCB-1268	ug/Kg					< 96	96	U	96									< 100	100	U	100	< 100	100	U	100	< 91	91	U	91	< 95	95	U	95
Metals, Total																																	
Aluminum	mg/Kg					18,000	35		7.1									12,200	43		8.6	12,600	40		8.0	12,300	38		7.6	9,700	40		8.0
Antimony	mg/Kg					< 1.8	1.8	U	1.8									< 2.1	2.1	U	2.1	< 2.0	2.0	U	2.0	< 1.9	1.9	U	1.9	< 2.0	2.0	U	2.0
Arsenic	mg/Kg	16	16	13	16	1.9	0.7		0.71									4.7	0.9		0.86	6.6	0.8		0.80	11.8	0.8		0.76	10	0.8		0.80
Barium	mg/Kg	350	400	350	400	170	7.1		3.5									317	0.9		0.43	326	0.8		0.40	570	0.8		0.38	210	0.8		0.40
Beryllium	mg/Kg	14	72	7.2	590	0.61	0.28		0.14									0.39	0.34		0.17	0.39	0.32		0.16	0.31	0.30		0.15	0.25	0.32	B	0.16
Cadmium	mg/Kg	2.5	4.3	2.5	9.3	0.16	0.35	B*	0.14									0.85	0.43	*	0.17	1.27	0.40	*	0.16	3.00	0.38	*	0.15	1.39	0.40	*	0.16
Calcium	mg/Kg					24,400	35		33									72,400	43	*	39	50,000	40	*	37	23,500	38	*	35	125,000	400	*	370

TABLE 5A
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix						BJ03572 4/15/2015 TB-1 (10-12) Solid				BJ03573 4/15/2015 TB-1 (20-22) Solid				BJ03574 4/15/2015 TB-101 (20-22) Solid				BJ03575 4/15/2015 TB-1 (14-22) Solid				BJ03576 4/15/2015 TB-101 (14-22) Solid				BJ03570 4/15/2015 TB-2 (2-4) Solid				BJ03571 4/15/2015 TB-2 (18-20) Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Chromium	mg/Kg			30		46.6	0.35		0.35									33.9	0.43		0.43	27.8	0.40		0.40	49.4	0.38		0.38	33.3	0.40		0.40
Cobalt	mg/Kg					15.5	0.35		0.35									10.3	0.43		0.43	9.76	0.40		0.40	12.3	0.38		0.38	8.2	0.40		0.40
Copper	mg/kg	270	270	50	270	132	0.35	N*	0.35									170	4.3	N*	4.3	254	4.0	N*	4.0	644	3.8	N*	3.8	605	4.0	N*	4.0
Iron	mg/Kg					44,000	35		35									44,200	43		43	51,500	40		40	73,300	38		38	53,900	40		40
Lead	mg/Kg	400	400	63	1,000	38.8	0.7		0.35									210	8.6		4.3	1,710	8.0		4.0	740	7.6		3.8	302	8.0		4.0
Magnesium	mg/Kg					14,300	35		35									30,700	43		43	14,900	40		40	4,470	38		38	73,300	400		400
Manganese	mg/Kg	2,000	2,000	1,600	10,000	322	3.5	N	3.5									390	4.3	N	4.3	721	4.0	N	4.0	627	3.8	N	3.8	410	4.0	N	4.0
Mercury	mg/Kg	0.81	0.81	0.18	2.8	0.09	0.03		0.02									2.6	0.15	N	0.09	0.53	0.03	N	0.02	0.05	0.03	N	0.02	0.24	0.03	N	0.02
Nickel	mg/Kg	140	310	30	310	23.3	0.35		0.35									21.9	0.43		0.43	61	0.40		0.40	38.2	0.38		0.38	28.4	0.40		0.40
Potassium	mg/Kg					7,530	71		28									3,840	86		33	3,800	8		3.1	2,940	8		3.0	2,560	8		3.1
Selenium	mg/Kg	36	180	3.9	1,500	< 1.4	1.4	U	1.2									< 1.7	1.7	U	1.5	< 1.6	1.6	U	1.4	< 1.5	1.5	U	1.3	< 1.6	1.6	U	1.4
Silver	mg/Kg	36	180	2	1,500	< 0.35	0.35	U	0.35									1.13	0.43		0.43	1.23	0.40		0.40	0.45	0.38		0.38	1.9	0.40		0.40
Sodium	mg/Kg					1,130	7		3.0									1,180	9		3.7	1,440	8		3.4	3,100	8		3.3	3,960	8		3.4
Thallium	mg/Kg					< 1.4	1.4	U	1.4									< 1.7	1.7	U	1.7	< 1.6	1.6	U	1.6	< 1.5	1.5	U	1.5	< 1.6	1.6	U	1.6
Vanadium	mg/Kg					55.1	0.4		0.35									48.9	0.4		0.43	72.5	0.4		0.40	26.4	0.4		0.38	31.1	0.4		0.40
Zinc	mg/Kg	2,200	10,000	109	10,000	550	71	*	35									660	8.6	*	4.3	758	8.0	*	4.0	2640	76	*	38	741	8.0	*	4.0
Miscellaneous/Inorganics																																	
Percent Solid	%					86												81				82				90				87			
Total Cyanide	mg/Kg					< 0.58	0.58	U	0.29									0.443	0.56	B	0.28	1.14	0.51		0.25	1.72	0.56		0.28	6.37	0.52		0.26

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

U — The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J — The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

N — The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.

S — This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

D — The reported concentration is the result of a diluted analysis.

(*) — See report for comment.

TABLE 5B
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	BH79483 3/3/2015 TB-3 (2-4) Soil				BH79484 3/3/2015 TB-4 (24-26) Soil				BH79485 3/3/2015 TB-4 (30-32) Soil				BH82998 3/11/2015 TB-5 (0-2) Solid				BH82999 3/11/2015 TB-5 (12-14) Solid				BJ04209 4/16/2015 TB-6 6-8 FT Soil				BJ04210 4/16/2015 TB-106 6-8 FT Soil			
							Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles (TCL) By SW826OC																																		
1,1,1-Trichloroethane		ug/kg	100,000	100,000	680	500,000	< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
1,1,2,2-Tetrachloroethane		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
1,1,2-Trichloroethane		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
1,1-Dichloroethane		ug/kg	19,000	26,000	270	240,000	< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
1,1-Dichloroethene		ug/kg	100,000	100,000	330	500,000	< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
1,2,3-Trichlorobenzene		ug/kg					< 360	360	U	0.96	< 360	360	U	71	< 360	360	U	84	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 260	260	U	52	< 5.6	5.6	U	1.1
1,2,4-Trichlorobenzene		ug/kg					< 360	360	U	0.96	< 360	360	U	71	< 360	360	U	84	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 260	260	U	52	< 5.6	5.6	U	1.1
1,2-Dibromo-3-chloropropane		ug/kg					< 360	360	U	0.96	< 360	360	U	71	< 360	360	U	84	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 260	260	U	52	< 5.6	5.6	U	1.1
1,2-Dibromoethane		ug/kg					< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
1,2-Dichlorobenzene		ug/kg	100,000	100,000	1,100	500,000	< 360	360	U	0.48	< 360	360	U	36	< 360	360	JD	42	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 260	260	U	26	150	250	J	25
1,2-Dichloroethane		ug/kg	2,300	3,100	20	30,000	< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
1,2-Dichloropropane		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
1,3-Dichlorobenzene		ug/kg	17,000	49,000	2,400	280,000	< 360	360	U	0.48	< 360	360	U	36	< 360	360	U	42	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 260	260	U	26	< 5.6	5.6	U	0.56
1,4-Dichlorobenzene		ug/kg	9,800	13,000	1,800	130,000	< 360	360	U	0.48	< 360	360	U	36	< 360	360	U	42	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 260	260	U	26	< 5.6	5.6	U	0.56
2-Hexanone		ug/kg					< 41	41	U	4.8	< 41	41	U	8.1	< 41	41	U	7.0	< 50	50	U	10	< 33	33	U	6.5	< 26	26	U	5.3	< 28	28	U	5.6
4-Methyl-2-pentanone		ug/kg					< 41	41	U	4.8	< 41	41	U	8.1	< 41	41	U	7.0	< 50	50	U	10	< 33	33	U	6.5	< 26	26	U	5.3	< 28	28	U	5.6
Acetone		ug/kg	100,000	100,000	50	500,000	73	81	S	4.8	73	81	S	8.1	200	81	S	7.0	< 50	50	U	10	< 50	50	U	6.5	60	53	S	5.3	69	56	S	5.6
Benzene		ug/kg	2,900	4,800	60	44,000	< 8.1	8.1	U	0.48	< 8.1	8.1	J	0.81	< 8.1	8.1	J	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	200	260	J	26	290	250	J	25
Bromochloromethane		ug/kg					< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
Bromodichloromethane		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
Bromoform		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
Bromomethane		ug/kg					< 8.1	8.1	U	1.9	< 8.1	8.1	U	3.2	< 8.1	8.1	U	2.8	< 10	10	U	4.0	< 6.5	6.5	U	2.6	< 5.3	5.3	U	2.1	< 5.6	5.6	U	2.2
Carbon Disulfide		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	1.5	5.3	J	1.1	1.2	5.6	J	1.1
Carbon tetrachloride		ug/kg	1,400	2,400	760	22,000	< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
Chlorobenzene		ug/kg	100,000	100,000	1,100	500,000	< 20	20	U	20	< 20	20	U	360	< 20	20	U	420	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
Chloroethane		ug/kg					< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
Chloroform		ug/kg	10,000	49,000	370	350,000	< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
Chloromethane		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
cis-1,2-Dichloroethene		ug/kg	59,000	100,000	250	500,000	< 8.1	8.1	U	0.48	< 8.1	8.1	J	0.81	< 8.1	8.1	J	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
cis-1,3-Dichloropropene		ug/kg					< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
Cyclohexane		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
Dibromochloromethane		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
Dichlorodifluoromethane		ug/kg					< 8.1	8.1	U	0.48	< 8.1	8.1	J	0.81	< 8.1	8.1	U	0.70	< 10	10	J	1.0	< 6.5	6.5	U	0.65	81	260	J	26	120	250	J	25
Ethylbenzene		ug/kg	30,000	41,000	1,000	390,000	< 8.1	8.1	U	0.48	< 8.1	8.1	J	0.81	< 8.1	8.1	J	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	130	260	J	26	190	250	J	25
Isopropylbenzene		ug/kg					< 360	360	U	0.48	< 360	360	U	36	< 360	360	JD	42	< 10	10	U	1.0	< 6.5	6.5	U	0.65	27	260	J	26	37	250	J	25
m&p-Xylene		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	J	1.6	< 8.1	8.1	J	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	150	260	J	52	220	250	J	51
Methyl ethyl ketone		ug/kg	100,000	100,000	120	500,000	< 49	49	J	4.8	110	49		8.1	110	49		7.0	< 60	60	U	10	< 39	39	U	6.5	11	32	J	5.3	14	33	J	5.6
Methyl t-butyl ether (MTBE)		ug/kg	62,000	100,000	930	500,000	< 16	16	U	0.96	< 16	16	U	1.6	< 16	16	J	1.4	< 20	20	U	2.0	< 13	13	U	1.3	< 11	11	U	1.1	< 11	11	U	1.1
Methylacetate		ug/kg					< 6.5	6.5	U	2.4	< 6.5	6.5	U	4.1	< 6.5	6.5	U	3.5	< 30	30	U	5.0	< 15	15	U	3.3	< 5.3	5.3	U	2.6	< 5.6	5.6	U	2.8
Methylcyclohexane		ug/kg					< 8.1	8.1	U	0.96	13	8.1		1.6	12	8.1		1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
Methylene chloride		ug/kg	51,000	100,000	50	500,000	< 8.1	8.1	U	4.8	< 8.1	8.1	U	8.1	< 8.1	8.1	U	7.0	< 10	10	U	10	< 6.5	6.5	U	6.5	< 5.3	5.3	U	5.3	< 5.6	5.6	U	5.6
o-Xylene		ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	J	1.6	< 8.1	8.1	J	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	59	260	J	52	89	250	J	51
Styrene		ug/kg					< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
Tetrachloroethene		ug/kg	5,500	19,000	1,300	150,000	< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
Toluene		ug/kg	100,000	100,000	700	500,000	< 8.1	8.1	U	0.48	< 8.1	8.1	J	0.81	< 8.1	8.1	J	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	690	260		26	1,000	250		25
Total Xylenes		ug/kg		100,000	260	500,000	< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1		1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 260	260	U	52	309	250	J	51
trans-1,2-Dichloroethene		ug/kg	100,000	100,000	190	500,000	< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
trans-1,3-Dichloropropene		ug/kg					< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56

TABLE 5B
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id					BH79483				BH79484				BH79485				BH82998				BH82999				BJ04209				BJ04210			
	Collection Date					3/3/2015				3/3/2015				3/3/2015				3/11/2015				3/11/2015				4/16/2015				4/16/2015			
	Client Id					TB-3 (2-4)				TB-4 (24-26)				TB-4 (30-32)				TB-5 (0-2)				TB-5 (12-14)				TB-6 6-8 FT				TB-106 6-8 FT			
	Matrix					Soil				Soil				Soil				Solid				Solid				Soil				Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Trichloroethene	ug/kg	10,000	21,000	470	200,000	< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
Trichlorofluoromethane	ug/kg					< 8.1	8.1	U	0.96	< 8.1	8.1	U	1.6	< 8.1	8.1	U	1.4	< 10	10	U	2.0	< 6.5	6.5	U	1.3	< 5.3	5.3	U	1.1	< 5.6	5.6	U	1.1
Trichlorotrifluoroethane	ug/kg					< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
Vinyl chloride	ug/kg	210	900	20	13,000	< 8.1	8.1	U	0.48	< 8.1	8.1	U	0.81	< 8.1	8.1	U	0.70	< 10	10	U	1.0	< 6.5	6.5	U	0.65	< 5.3	5.3	U	0.53	< 5.6	5.6	U	0.56
1,4-dioxane By SW8260C																																	
1,4-dioxane	ug/kg	9,800	13,000	100	130,000	< 96	96	U	96	< 100	100	U	100	< 100	100	U	100	< 100	100	U	80	< 100	100	U	52	< 100	100	U	42	< 100	100	U	44
Semivolatiles By SW8270D																																	
1,1-Biphenyl	ug/Kg					< 560	560	U	250	< 590	590	U	260	< 380	380	U	170	< 540	540	U	240	< 500	500	U	220								
1,2,4,5-Tetrachlorobenzene	ug/Kg					< 560	560	U	280	< 590	590	U	300	< 380	380	U	190	< 540	540	U	270	< 500	500	U	250								
2,3,4,6-tetrachlorophenol	ug/Kg					< 560	560	U	380	< 590	590	U	390	< 380	380	U	250	< 540	540	U	360	< 500	500	U	330								
2,4,5-Trichlorophenol	ug/Kg					< 560	560	U	440	< 590	590	U	460	< 380	380	U	300	< 540	540	U	420	< 500	500	U	390								
2,4,6-Trichlorophenol	ug/Kg					< 560	560	U	260	< 590	590	U	270	< 380	380	U	170	< 540	540	U	250	< 500	500	U	230								
2,4-Dichlorophenol	ug/Kg					< 560	560	U	280	< 590	590	U	300	< 380	380	U	190	< 540	540	U	270	< 500	500	U	250								
2,4-Dimethylphenol	ug/Kg					< 560	560	U	200	< 590	590	U	210	< 380	380	U	130	< 540	540	U	190	< 500	500	U	180								
2,4-Dinitrophenol	ug/Kg					< 1300	1,300	U	560	< 1300	1,300	U	590	< 870	870	U	380	< 1200	1,200	U	540	< 1100	1,100	U	500								
2,4-Dinitrotoluene	ug/Kg					< 560	560	U	320	< 590	590	U	330	< 380	380	U	210	< 540	540	U	300	< 500	500	U	280								
2,6-Dinitrotoluene	ug/Kg					< 560	560	U	250	< 590	590	U	260	< 380	380	U	170	< 540	540	U	240	< 500	500	U	220								
2-Chloronaphthalene	ug/Kg					< 560	560	U	230	< 590	590	U	240	< 380	380	U	150	< 540	540	U	220	< 500	500	U	200								
2-Chlorophenol	ug/Kg					< 560	560	U	230	< 590	590	U	240	< 380	380	U	150	< 540	540	U	220	< 500	500	U	200								
2-Methylnaphthalene	ug/Kg					690	560		240	< 590	590	U	250	< 380	380	J	160	< 540	540	J	230	810	500		210								
2-Methylphenol (o-cresol)	ug/Kg	100,000	100,000	330	500,000	< 330	330	U	380	< 330	330	U	390	< 330	330	U	250	< 330	330	U	360	< 330	330	U	330								
2-Nitroaniline	ug/Kg					< 1300	1,300	U	810	< 1300	1,300	U	850	< 870	870	U	550	< 1200	1,200	U	780	< 1100	1,100	U	720								
2-Nitrophenol	ug/Kg					< 560	560	U	510	< 590	590	U	530	< 380	380	U	340	< 540	540	U	490	< 500	500	U	450								
3&4-Methylphenol (m&p-cresol)	ug/Kg					< 800	800	U	320	< 840	840	U	330	< 540	540	J	210	< 770	770	U	300	< 710	710	U	280								
3,3'-Dichlorobenzidine	ug/Kg					< 970	970	U	320	< 1000	1,000	U	340	< 650	650	U	220	< 930	930	U	310	< 850	850	U	280								
3-Nitroaniline	ug/Kg					< 1300	1,300	U	1800	< 1300	1,300	U	1800	< 870	870	U	1200	< 1200	1,200	U	1700	< 1100	1,100	U	1500								
4,6-Dinitro-2-methylphenol	ug/Kg					< 2300	2,300	U	560	< 2400	2,400	U	590	< 1600	1,600	U	380	< 2200	2,200	U	540	< 2100	2,100	U	500								
4-Bromophenyl phenyl ether	ug/Kg					< 800	800	U	240	< 840	840	U	250	< 540	540	U	160	< 770	770	U	230	< 710	710	U	210								
4-Chloro-3-methylphenol	ug/Kg					< 560	560	U	280	< 590	590	U	300	< 380	380	U	190	< 540	540	U	270	< 500	500	U	250								
4-Chloroaniline	ug/Kg					< 560	560	U	380	< 590	590	U	390	< 380	380	U	250	< 540	540	U	360	< 500	500	U	330								
4-Chlorophenyl phenyl ether	ug/Kg					< 560	560	U	270	< 590	590	U	280	< 380	380	U	180	< 540	540	U	260	< 500	500	U	240								
4-Nitroaniline	ug/Kg					< 1300	1,300	U	270	< 1300	1,300	U	280	< 870	870	U	180	< 1200	1,200	U	260	< 1100	1,100	U	240								
4-Nitrophenol	ug/Kg					< 2300	2,300	U	360	< 2400	2,400	U	380	< 1600	1,600	U	240	< 2200	2,200	U	350	< 2100	2,100	U	320								
Acenaphthene	ug/Kg	100,000	100,000	20,000	500,000	< 560	560	J	240	< 590	590	U	250	< 380	380	U	160	< 540	540	U	230	< 500	500	U	220								
Acenaphthylene	ug/Kg	100,000	100,000	100,000	500,000	810	560		230	< 590	590	U	230	< 380	380	U	150	< 540	540	U	220	< 500	500	U	200								
Acetophenone	ug/Kg					< 560	560	U	250	< 590	590	U	260	< 380	380	U	170	< 540	540	U	240	< 500	500	U	220								
Anthracene	ug/Kg	100,000	100,000	100,000	500,000	1,500	560		260	< 590	590	U	270	< 380	380	U	180	< 540	540	J	250	< 500	500	J	230								
Atrazine	ug/Kg					< 560	560	U	320	< 590	590	U	340	< 380	380	U	220	< 540	540	U	310	< 500	500	U	280								
Benz(a)anthracene	ug/Kg	1,000	1,000	1,000	5,600	5,600	560		270	< 590	590	J	280	< 380	380	J	180	980	540		260	790	500		240								
Benzaldehyde	ug/Kg					< 560	560	U	240	< 590	590	U	250	620	380		160	< 540	540	U	230	< 500	500	U	210								
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,000	1,000	1,800	560		260	< 590	590	J	270	< 380	380		180	1,200	540		250	700	500		230								
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	1,000	5,600	7,700	560		280	790	590	J	290	640	380		150	1,100	540		260	800	500		240								
Benzo(ghi)perylene	ug/Kg	100,000	100,000	100,000	500,000	2,900	560		260	< 590	590	J	270	< 380	380	U	180	< 540	540	J	250	< 500	500	J	230								
Benzo(k)fluoranthene	ug/Kg	1,000	3,900	800	56,000	2,500	560		270	< 590	590	J	280	< 380	380	J	180	< 540	540	J	260	< 500	500	J	240								
Benzyl butyl phthalate	ug/Kg					< 560	560	U	210	< 590	590	U	220	< 380	380	U	140	< 540	540	U	200	< 500	500	U	180								
Bis(2-chloroethoxy)methane	ug/Kg					< 560	560	U	220	< 590	590	U	230	< 380	380	U	150	< 540	540	U	210	< 500	500	U	200								
Bis(2-chloroethyl)ether	ug/Kg					< 800	800	U	220	< 840	840	U	230	< 540	540	U	150	< 770	770	U	210	< 710	710	U	190								
Bis(2-chloroisopropyl)ether	ug/Kg					< 560	560	U	220	< 590	590	U	230	< 380	380	U	150	< 540	540	U	210	< 500	500	U	200								
Bis(2-ethylhexyl)phthalate	ug/Kg					780	560		230	3,600	590		240	3,200	380		160	< 540	540	J	220	< 500	500	U	200								

TABLE 5B
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id					BH79483				BH79484				BH79485				BH82998				BH82999				BJ04209				BJ04210			
	Collection Date					3/3/2015				3/3/2015				3/3/2015				3/11/2015				3/11/2015				4/16/2015				4/16/2015			
	Client Id					TB-3 (2-4)				TB-4 (24-26)				TB-4 (30-32)				TB-5 (0-2)				TB-5 (12-14)				TB-6 6-8 FT				TB-106 6-8 FT			
	Matrix					Soil				Soil				Soil				Solid				Solid				Soil				Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Caprolactam	ug/Kg					< 560	560	U	560	< 590	590	U	590	< 380	380	U	380	< 540	540	U	540	< 500	500	U	500								
Carbazole	ug/Kg					< 2300	2,300	U	610	< 2400	2,400	U	640	< 1600	1,600	U	410	< 2200	2,200	U	590	< 2100	2,100	U	540								
Chrysene	ug/Kg	1,000	3,900	1,000	56,000	6,000	560		270	730	590		280	640	380		180	970	540		260	770	500		240								
Dibenz(a,h)anthracene	ug/Kg	330	330	330	560	790	560		260	< 330	330	U	270	< 330	330	U	180	< 330	330	U	250	< 330	330	U	230								
Dibenzofuran	ug/Kg			7,000		< 560	560	U	240	< 590	590	U	240	< 380	380	U	160	< 540	540	U	230	< 500	500	U	210								
Diethyl phthalate	ug/Kg					< 560	560	U	250	< 590	590	U	260	< 380	380	U	170	< 540	540	U	240	< 500	500	U	220								
Dimethylphthalate	ug/Kg					< 560	560	U	250	< 590	590	U	260	< 380	380	U	170	< 540	540	U	240	< 500	500	U	220								
Di-n-butylphthalate	ug/Kg					< 560	560	U	210	< 590	590	U	220	< 380	380	U	140	< 540	540	U	210	< 500	500	U	190								
Di-n-octylphthalate	ug/Kg					< 560	560	U	210	< 590	590	U	220	< 380	380	U	140	< 540	540	U	200	< 500	500	U	180								
Fluoranthene	ug/Kg	100,000	100,000	100,000	500,000	7,100	560		260	850	590		270	990	380		180	1,400	540		250	1,300	500		230								
Fluorene	ug/Kg	100,000	100,000	30,000	500,000	< 560	560	J	270	< 590	590	U	280	< 380	380	U	180	< 540	540	U	250	< 500	500	U	230								
Hexachlorobenzene	ug/Kg					< 560	560	U	240	< 590	590	U	240	< 380	380	U	160	< 540	540	U	230	< 500	500	U	210								
Hexachlorobutadiene	ug/Kg					< 560	560	U	290	< 590	590	U	300	< 380	380	U	200	< 540	540	U	280	< 500	500	U	260								
Hexachlorocyclopentadiene	ug/Kg					< 560	560	U	250	< 590	590	U	260	< 380	380	U	170	< 540	540	U	240	< 500	500	U	220								
Hexachloroethane	ug/Kg					< 560	560	U	240	< 590	590	U	250	< 380	380	U	160	< 540	540	U	230	< 500	500	U	210								
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	500	5,600	2,700	560		270	< 500	500	J	280	< 380	380	U	180	< 500	500	J	260	< 500	500	J	240								
Isophorone	ug/Kg					< 560	560	U	230	< 590	590	U	230	< 380	380	U	150	< 540	540	U	220	< 500	500	U	200								
Naphthalene	ug/Kg	100,000	100,000	12,000	500,000	720	560		230	< 590	590	U	240	< 380	380	U	160	< 540	540	J	220	740	500		200								
Nitrobenzene	ug/Kg					< 560	560	U	280	< 590	590	U	290	< 380	380	U	190	< 540	540	U	270	< 500	500	U	250								
N-Nitrosodimethylamine	ug/Kg					< 800	800	U	230	< 840	840	U	240	< 540	540	U	150	< 770	770	U	220	< 710	710	U	200								
N-Nitrosodi-n-propylamine	ug/Kg					< 560	560	U	260	< 590	590	U	270	< 380	380	U	180	< 540	540	U	250	< 500	500	U	230								
N-Nitrosodiphenylamine	ug/Kg					< 800	800	U	310	< 840	840	U	320	< 540	540	U	210	< 770	770	U	300	< 710	710	U	270								
Pentachlorophenol	ug/Kg	2,400	6,700	800	6,700	< 800	800	U	300	< 800	800	U	320	< 540	540	U	200	< 770	770	U	290	< 710	710	U	270								
Phenanthrene	ug/Kg	100,000	100,000	100,000	500,000	4,100	560	U	230	800	590	J	240	440	380	J	150	1,300	540	J	220	1,400	500	J	200								
Phenol	ug/Kg	100,000	100,000	330	500,000	< 330	330	J	260	< 330	330	U	270	< 330	330	U	170	< 330	330	U	250	< 330	330	U	230								
Pyrene	ug/Kg	100,000	100,000	100,000	500,000	5,800	560	J	280	670	590	J	290	810	380	J	190	1,100	540	J	270	1,000	500	J	240								
PCBs By SW8082A																																	
PCB-1016	ug/Kg	1,000		100		< 79	79	U	79	< 410	410	U	410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
PCB-1221	ug/Kg	1,000		100		< 79	79	U	79	< 410	410	U	410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
PCB-1232	ug/Kg	1,000		100		< 79	79	U	79	< 410	410	U	410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
PCB-1242	ug/Kg	1,000		100		< 79	79	U	79	< 410	410	U	410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
PCB-1248	ug/Kg	1,000		100		< 79	79	U	79	< 410	410	U	410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
PCB-1254	ug/Kg	1,000		100		< 79	79	U	79	< 410	410	U	410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
PCB-1260	ug/Kg	1,000		100		< 79	79	U	79	1,120	410		410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
PCB-1262	ug/Kg					< 79	79	U	79	< 410	410	U	410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
PCB-1268	ug/Kg					< 79	79	U	79	< 410	410	U	410	< 54	54	U	54	< 77	77	U	77	< 72	72	U	72								
Metals, Total																																	
Aluminum	mg/Kg					15,000	56		7.4	8,790	58		7.7	11,300	76		10	8,830	53		7.0	6,520	56		7.5								
Antimony	mg/Kg					< 3.7	3.7	U	1.9	< 3.9	3.9	U	1.9	< 5.1	5.1		2.5	< 3.5	3.5	U	1.8	< 3.8	3.8	U	1.9								
Arsenic	mg/Kg	16	16	13	16	4.3	0.7		0.74	12	0.8		0.77	25.1	1.0		1.0	2	0.7		0.70	1.5	0.8		0.75								
Barium	mg/Kg	350	400	350	400	155	0.37		0.37	104	0.39		0.39	1,120	0.51		0.51	57.5	0.35		0.35	33.2	0.38		0.38								
Beryllium	mg/Kg	14	72	7.2	590	0.46	0.30		0.15	< 0.31	0.31	U	0.15	0.46	0.40		0.20	0.29	0.28		0.14	< 0.30	0.30	U	0.15								
Cadmium	mg/Kg	2.5	4.3	2.5	9.3	< 0.37	0.37	U	0.15	1.15	0.39		0.15	3.12	0.51		0.20	< 0.35	0.35	U	0.14	< 0.38	0.38	U	0.15								
Calcium	mg/Kg					13,100	56		34	21,600	58		36	5,090	7.6		4.7	104,000	53	N	32	146,000	560	N	350								
Chromium	mg/Kg			30		43.7	0.37		0.37	36.9	0.39		0.39	62	0.51		0.51	21.3	0.35		0.35	12.1	0.38		0.38								
Cobalt	mg/Kg					12.9	0.37		0.37	9.44	0.39		0.39	6.72	0.51		0.51	6.29	0.35		0.35	4.65	0.38		0.38								
Copper	mg/Kg	270	270	50	270	34.1	0.37		0.37	170	3.9		1.9	69	0.51		0.51	23.1	0.35		0.35	15.7	0.38		0.38								
Iron	mg/Kg					24,300	56		37	24,900	58		39	15,500	76		51	13,000	53		35	9,010	56		38								
Lead	mg/Kg	400	400	63	1,000	180	3.7		3.7	415	3.9		3.9	589	5.1		5.1	37.1	0.35		0.35	14.9	0.38		0.38								

TABLE 5B
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix						BH79483 3/3/2015 TB-3 (2-4) Soil				BH79484 3/3/2015 TB-4 (24-26) Soil				BH79485 3/3/2015 TB-4 (30-32) Soil				BH82998 3/11/2015 TB-5 (0-2) Solid				BH82999 3/11/2015 TB-5 (12-14) Solid				BJ04209 4/16/2015 TB-6 6-8 FT Soil				BJ04210 4/16/2015 TB-106 6-8 FT Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Magnesium	mg/Kg					9,350	56		37	6,890	58		39	3,580	7.6		5.1	57,600	530		350	91,300	560		380								
Manganese	mg/Kg	2,000	2,000	1,600	10,000	404	3.7		3.7	286	3.9		3.9	278	5.1		5.1	192	3.5	N	3.5	168	3.8	N	3.8								
Mercury	mg/Kg	0.81	0.81	0.18	2.8	0.06	0.03		0.02	0.34	0.03		0.02	0.29	0.04		0.02	< 0.03	0.03	U	0.02	< 0.03	0.03	U	0.02								
Nickel	mg/Kg	140	310	30	310	28.1	0.37		0.37	28.6	0.39		0.39	21.8	0.51		0.51	12.7	0.35		0.35	8.72	0.38		0.38								
Potassium	mg/Kg					2,360	5.6	N	2.9	1,540	5.8	N	3.0	1,640	7.6	N	3.9	2,680	5.3	N	2.7	1,820	5.6	N	2.9								
Selenium	mg/Kg	36	180	3.9	1,500	< 1.5	1.5	U	1.3	< 1.5	1.5	U	1.3	< 2.0	2.0	U	1.7	< 1.4	1.4	U	1.2	< 1.5	1.5	U	1.3								
Silver	mg/Kg	36	180	2	1,500	< 0.37	0.37	U	0.37	< 0.39	0.39	U	0.39	< 0.51	0.51	U	0.51	< 0.35	0.35	U	0.35	< 0.38	0.38	U	0.38								
Sodium	mg/Kg					158	5.6	N	3.2	354	5.8	N	3.3	229	7.6	N	4.4	140	5.3		3.0	78.4	5.6		3.2								
Thallium	mg/Kg					< 3.3	3.3	U	1.5	< 3.5	3.5	U	1.5	< 4.6	4.6	U	2.0	< 3.2	3.2	U	1.4	< 3.4	3.4	U	1.5								
Vanadium	mg/Kg					62.5	0.37		0.37	56.4	0.39		0.39	80.5	0.51		0.51	25.7	0.35		0.35	16.3	0.38		0.38								
Zinc	mg/Kg	2,200	10,000	109	10,000	258	3.7		3.7	142	3.9		3.9	216	5.1		5.1	65.6	0.35		0.35	55.2	0.38		0.38								
Miscellaneous/Inorganics																																		
Percent Solid	%					82				79				61				84				91											
Total Cyanide	mg/Kg					< 0.55	0.55	U	0.28	< 0.63	0.63	U	0.32	< 0.82	0.82	U	0.41	< 0.60	0.60	U	0.30	1.49	0.55		0.27								

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

U — The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J — The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

N — The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.

S — This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

D — The reported concentration is the result of a diluted analysis.

(*) — See report for comment.

TABLE 5C
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix / Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	BJ04211 4/16/2015 TB-6 4-8 FT Soil				BJ04212 4/16/2015 TB-106 4-8 FT Soil				BJ04213 4/16/2015 TB-6 26-28 FT Soil				BH83000 3/11/2015 TB-7 (6-8) Solid				BH83001 3/11/2015 TB-7 (10-12) Solid				BH78388 2/27/2015 TB-8 2-4 Solid				BH78389 2/27/2015 TB-8 20-22 Solid			
						Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
						Volatiles (TCL) By SW8260C																											
1,1,1-Trichloroethane	ug/kg	100,000	100,000	680	500,000													< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
1,1,2,2-Tetrachloroethane	ug/kg																	< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
1,1,2-Trichloroethane	ug/kg																	< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
1,1-Dichloroethane	ug/kg	19,000	26,000	270	240,000													< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
1,1-Dichloroethene	ug/kg	100,000	100,000	330	500,000													< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
1,2,3-Trichlorobenzene	ug/kg																	< 290	290	U	62	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
1,2,4-Trichlorobenzene	ug/kg																	< 290	290	U	62	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
1,2-Dibromo-3-chloropropane	ug/kg																	< 290	290	U	62	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
1,2-Dibromoethane	ug/kg																	< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
1,2-Dichlorobenzene	ug/kg	100,000	100,000	1,100	500,000													< 290	290	U	31	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
1,2-Dichloroethane	ug/kg	2,300	3,100	20	30,000													< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
1,2-Dichloropropane	ug/kg																	< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
1,3-Dichlorobenzene	ug/kg	17,000	49,000	2,400	280,000													< 290	290	U	31	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
1,4-Dichlorobenzene	ug/kg	9,800	13,000	1,800	130,000													< 290	290	U	31	< 5.8	5.8	JD	32	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
2-Hexanone	ug/kg																	< 38	38	U	7.6	< 50	50		5.8	< 28	28	U	5.6	< 22	22	U	4.3
4-Methyl-2-pentanone	ug/kg																	< 38	38	U	7.6	< 29	29	U	5.8	< 28	28	U	5.6	< 22	22	U	4.3
Acetone	ug/kg	100,000	100,000	50	500,000													< 50	50	BS	7.6	< 50	50	BS	5.8	< 50	50	JS	5.6	< 43	43	JS	4.3
Benzene	ug/kg	2,900	4,800	60	44,000													< 7.6	7.6	J	0.76	22	5.8	JD	32	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Bromochloromethane	ug/kg																	< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Bromodichloromethane	ug/kg																	< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Bromoform	ug/kg																	< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Bromomethane	ug/kg																	< 7.6	7.6	U	3.0	< 5.8	5.8	U	2.3	< 5.6	5.6	U	2.2	< 4.3	4.3	U	1.7
Carbon Disulfide	ug/kg																	< 7.6	7.6	J	1.5	6.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Carbon tetrachloride	ug/kg	1,400	2,400	760	22,000													< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Chlorobenzene	ug/kg	100,000	100,000	1,100	500,000													< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	280
Chloroethane	ug/kg																	< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Chloroform	ug/kg	10,000	49,000	370	350,000													< 7.6	7.6	J	0.76	< 5.8	5.8	J	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Chloromethane	ug/kg																	< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
cis-1,2-Dichloroethene	ug/kg	59,000	100,000	250	500,000													< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
cis-1,3-Dichloropropene	ug/kg																	< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Cyclohexane	ug/kg																	< 7.6	7.6	U	1.5	< 5.8	5.8	J	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Dibromochloromethane	ug/kg																	< 7.6	7.6	U	1.5	< 5.8	5.8	U	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Dichlorodifluoromethane	ug/kg																	420	7.6	E	0.76	390	320		0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Ethylbenzene	ug/kg	30,000	41,000	1,000	390,000													23	7.6		0.76	< 5.8	5.8	JD	32	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Isopropylbenzene	ug/kg																	< 290	290	U	31	< 5.8	5.8	J	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
m&p-Xylene	ug/kg																	21	7.6		1.5	31	5.8	JD	65	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Methyl ethyl ketone	ug/kg	100,000	100,000	120	500,000													< 46	46	U	7.6	< 40	40		5.8	< 33	33	U	5.6	< 26	26	U	4.3
Methyl t-butyl ether (MTBE)	ug/kg	62,000	100,000	930	500,000													< 15	15	U	1.5	< 12	12	U	1.2	< 11	11	U	1.1	< 8.7	8.7	U	0.87
Methylacetate	ug/kg																	< 24	24		3.8	< 15	15	U	2.9	< 4.4	4.4	U	2.8	< 3.5	3.5	U	2.2
Methylcyclohexane	ug/kg																	< 7.6	7.6	J	1.5	< 5.8	5.8	J	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Methylene chloride	ug/kg	51,000	100,000	50	500,000													< 7.6	7.6	U	7.6	< 5.8	5.8	U	5.8	< 5.6	5.6	U	5.6	< 4.3	4.3	U	4.3
o-Xylene	ug/kg																	10	7.6		1.5	16	5.8	JD	65	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
Styrene	ug/kg																	< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Tetrachloroethene	ug/kg	5,500	19,000	1,300	150,000													< 7.6	7.6	J	1.5	< 5.8	5.8	J	1.2	< 5.6	5.6	U	1.1	< 4.3	4.3	J	0.87
Toluene	ug/kg	100,000	100,000	700	500,000													420	310	D	31	720	320	D	32	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Total Xylenes	ug/kg		100,000	260	500,000													31	7.6		1.5	47	5.8		65	< 5.6	5.6	U	1.1	< 4.3	4.3	U	0.87
trans-1,2-Dichloroethene	ug/kg	100,000	100,000	190	500,000													< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
trans-1,3-Dichloropropene	ug/kg																	< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Trichloroethene	ug/kg	10,000	21,000	470	200,000													< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	330	290	D	29	< 4.3	4.3	U	0.43

TABLE 5C
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix						BJ04211 4/16/2015 TB-6 4-8 FT Soil				BJ04212 4/16/2015 TB-106 4-8 FT Soil				BJ04213 4/16/2015 TB-6 26-28 FT Soil				BH83000 3/11/2015 TB-7 (6-8) Solid				BH83001 3/11/2015 TB-7 (10-12) Solid				BH78388 2/27/2015 TB-8 2-4 Solid				BH78389 2/27/2015 TB-8 20-22 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Trichlorofluoromethane	ug/kg																	75	7.6		1.5	46	5.8		1.2	< 5.6	5.6	U	1.1	< 10	10		0.87
Trichlorotrifluoroethane	ug/kg																	< 7.6	7.6	U	0.76	< 5.8	5.8	U	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
Vinyl chloride	ug/kg	210	900	20	13,000													< 7.6	7.6	U	0.76	< 5.8	5.8	J	0.58	< 5.6	5.6	U	0.56	< 4.3	4.3	U	0.43
1,4-dioxane By SW8260C																																	
1,4-dioxane	ug/kg	9,800	13,000	100	130,000													< 100	100	U	61	< 100	100	U	47	< 100	100	U	100	< 87	87	U	87
Semivolatiles By SW8270D																																	
1,1-Biphenyl	ug/Kg					< 530	530	U	230	< 510	510	U	220	< 540	540	U	240	< 560	560	U	1200	< 570	570	U	250	< 260	260	U	110	< 260	260	U	110
1,2,4,5-Tetrachlorobenzene	ug/Kg					< 530	530	U	270	< 510	510	U	260	< 540	540	U	270	< 560	560	U	1400	< 570	570	U	290	< 260	260	U	130	< 260	260	U	130
2,3,4,6-tetrachlorophenol	ug/Kg					< 530	530	U	360	< 510	510	U	340	< 540	540	U	360	< 560	560	U	1900	< 570	570	U	380	< 260	260	U	170	< 260	260	U	170
2,4,5-Trichlorophenol	ug/Kg					< 530	530	U	420	< 510	510	U	400	< 540	540	U	430	< 560	560	U	2200	< 570	570	U	450	< 260	260	U	200	< 260	260	U	200
2,4,6-Trichlorophenol	ug/Kg					< 310	310	U	240	< 290	290	U	230	< 310	310	U	250	< 560	560	U	1300	< 570	570	U	260	< 260	260	U	120	< 260	260	U	120
2,4-Dichlorophenol	ug/Kg					< 310	310	U	270	< 290	290	U	260	< 310	310	U	270	< 560	560	U	1400	< 570	570	U	290	< 260	260	U	130	< 260	260	U	130
2,4-Dimethylphenol	ug/Kg					< 530	530	U	190	< 510	510	U	180	< 540	540	U	190	< 560	560	U	990	< 570	570	U	200	< 260	260	U	92	< 260	260	U	90
2,4-Dinitrophenol	ug/Kg					< 530	530	U	530	< 510	510	U	510	< 540	540	U	540	< 1300	1,300	U	2800	< 1300	1,300	U	570	< 590	590	U	260	< 580	580	U	260
2,4-Dinitrotoluene	ug/Kg					< 310	310	U	300	< 290	290	U	290	< 310	310	U	310	< 560	560	U	1600	< 570	570	U	320	< 260	260	U	150	< 260	260	U	140
2,6-Dinitrotoluene	ug/Kg					< 310	310	U	240	< 290	290	U	230	< 310	310	U	250	< 560	560	U	1300	< 570	570	U	260	< 260	260	U	120	< 260	260	U	120
2-Chloronaphthalene	ug/Kg					< 530	530	U	220	< 510	510	U	210	< 540	540	U	220	< 560	560	U	1100	< 570	570	U	230	< 260	260	U	110	< 260	260	U	100
2-Chlorophenol	ug/Kg					< 530	530	U	220	< 510	510	U	210	< 540	540	U	220	< 560	560	U	1100	< 570	570	U	230	< 260	260	U	110	< 260	260	U	100
2-Methylnaphthalene	ug/Kg					310	530	J	230	< 510	510	U	220	450	540	J	230	< 560	560	U	1200	< 570	570	J	240	< 260	260	U	110	< 260	260	U	110
2-Methylphenol (o-cresol)	ug/Kg	100,000	100,000	330	500,000	< 530	530	U	360	< 330	330	U	340	< 330	330	U	360	< 330	330	U	1900	< 330	330	U	380	< 260	260	U	170	< 260	260	U	170
2-Nitroaniline	ug/Kg					< 3800	3,800	U	770	< 3700	3,700	U	740	< 3900	3,900	U	780	< 1300	1,300	U	4000	< 1300	1,300	U	830	< 590	590	U	370	< 580	580	U	370
2-Nitrophenol	ug/Kg					< 530	530	U	480	< 510	510	U	460	< 540	540	U	490	< 560	560	U	2500	< 570	570	U	520	< 260	260	U	230	< 260	260	U	230
3&4-Methylphenol (m&p-cresol)	ug/Kg					680	530		300	570	510		290	490	540	J	310	< 800	800	U	1600	1,200	820		320	< 370	370	U	150	< 360	360	U	140
3,3'-Dichlorobenzidine	ug/Kg					< 310	310	U	310	< 290	290	U	290	< 310	310	U	310	< 960	960	U	1600	< 980	980	U	330	< 440	440	U	150	< 440	440	U	150
3-Nitroaniline	ug/Kg					< 3800	3,800	U	1700	< 3700	3,700	U	1600	< 3900	3,900	U	1700	< 1300	1,300	U	8700	< 1300	1,300	U	1800	< 590	590	U	800	< 580	580	U	790
4,6-Dinitro-2-methylphenol	ug/Kg					< 530	530	U	530	< 510	510	U	510	< 540	540	U	540	< 2300	2,300	U	2800	< 2400	2,400	U	570	< 1100	1,100	U	260	< 1100	1,100	U	260
4-Bromophenyl phenyl ether	ug/Kg					< 530	530	U	220	< 510	510	U	210	< 540	540	U	230	< 800	800	U	1200	< 820	820	U	240	< 370	370	U	110	< 360	360	U	110
4-Chloro-3-methylphenol	ug/Kg					< 530	530	U	270	< 510	510	U	260	< 540	540	U	270	< 560	560	U	1400	< 570	570	U	290	< 260	260	U	130	< 260	260	U	130
4-Chloroaniline	ug/Kg					< 1500	1,500	U	360	< 1500	1,500	U	340	< 1600	1,600	U	360	< 560	560	U	1900	< 570	570	U	380	< 260	260	U	170	< 260	260	U	170
4-Chlorophenyl phenyl ether	ug/Kg					< 530	530	U	260	< 510	510	U	250	< 540	540	U	260	< 560	560	U	1300	< 570	570	U	280	< 260	260	U	120	< 260	260	U	120
4-Nitroaniline	ug/Kg					< 3800	3,800	U	260	< 3700	3,700	U	240	< 3900	3,900	U	260	< 1300	1,300	U	1300	< 1300	1,300	U	270	< 590	590	U	120	< 580	580	U	120
4-Nitrophenol	ug/Kg					< 530	530	U	350	< 510	510	U	330	< 540	540	U	350	< 2300	2,300	U	1800	< 2400	2,400	U	370	< 1100	1,100	U	170	< 1100	1,100	U	160
Acenaphthene	ug/Kg	100,000	100,000	20,000	500,000	790	530		230	350	510	J	220	< 540	540	U	240	< 560	560	U	1200	< 570	570	U	250	< 260	260	U	110	< 260	260	U	110
Acenaphthylene	ug/Kg	100,000	100,000	100,000	500,000	< 310	310	U	210	< 290	290	U	200	< 310	310	U	220	< 560	560	U	1100	< 570	570	U	230	< 260	260	U	100	< 260	260	U	100
Acetophenone	ug/Kg					< 530	530	U	240	< 510	510	U	230	< 540	540	U	240	< 560	560	U	1200	< 570	570	U	260	< 260	260	U	120	< 260	260	U	110
Anthracene	ug/Kg	100,000	100,000	100,000	500,000	1,600	530		250	780	510		240	300	540	J	250	< 560	560	U	1300	< 570	570	J	270	< 260	260	U	120	< 260	260	U	120
Atrazine	ug/Kg					< 310	310	U	310	< 290	290	U	290	< 310	310	U	310	< 560	560	U	1600	< 570	570	U	330	< 260	260	U	150	< 260	260	U	150
Benz[a]anthracene	ug/Kg	1,000	1,000	1,000	5,600	2,700	530		260	1,400	510		250	650	540		260	590	560	U	1300	< 570	570	J	280	270	260		120	< 260	260	U	120
Benzaldehyde	ug/Kg					< 530	530	U	230	< 510	510	U	220	< 540	540	U	230	< 560	560	U	1200	< 570	570	U	240	< 260	260	U	110	< 260	260	U	110
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,000	1,000	2,400	310		250	1,200	290		240	660	310		250	< 560	560	U	1300	< 570	570		270	260	260		120	< 260	260	U	120
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	1,000	5,600	2,700	530		260	1,400	510		250	970	540		270	< 560	560	U	1400	590	570		280	350	260		130	< 260	260	U	120
Benzo(ghi)perylene	ug/Kg	100,000	100,000	100,000	500,000	1,500	530		250	740	510		240	< 540	540	U	250	< 560	560	U	1300	< 570	570	U	270	< 260	260	J	120	< 260	260	U	120
Benzo(k)fluoranthene	ug/Kg	1,000	3,900	800	56,000	950	530		250	550	510		240	290	540	J	260	< 560	560	U	1300	< 570	570	J	270	< 260	260	J	120	< 260	260	U	120
Benzyl butyl phthalate	ug/Kg					< 530	530	U	200	< 510	510	U	190	< 540	540	U	200	< 560	560	U	1000	< 570	570	U	210	< 260	260	U	95	< 260	260	U	94
Bis(2-chloroethoxy)methane	ug/Kg					< 530	530	U	210	< 510	510	U	200	< 540	540	U	210	< 560	560	U	1100	< 570	570	U	230	< 260	260	U	100	< 260	260	U	100
Bis(2-chloroethyl)ether	ug/Kg					< 310	310	U	210	< 290	290	U	200	< 310	310	U	210	< 800	800	U	1100	< 820	820	U	220	< 370	370	U	100	< 360	360	U	98
Bis(2-chloroisopropyl)ether	ug/Kg					< 530	530	U	210	< 510	510	U	200	< 540	540	U	220	< 560	560	U	1100	< 570	570	U	230	< 260	260	U	100	< 260	260	U	100
Bis(2-ethylhexyl)phthalate	ug/Kg					280	530	J	220	< 510	510	U	210	< 540	540	U	220	640	560	U	1100	900	570		240	900	260		110	290	260		100
Caprolactam	ug/Kg					< 530	530	U	530	< 510	510	U	510	< 540	540	U	540	< 560	560	U	2800	< 570	570	U	570	< 260	260	U	260	< 260	260	U	260
Carbazole	ug/Kg					< 3800	3,800	U	580	< 3700	3,700	U	550	< 3900	3,900	U	590	< 2300	2,300	U	3000	< 2400	2,400	U	620	< 1100	1,100	U	280	< 1100	1,100	U	280

TABLE 5C
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix						BJ04211 4/16/2015 TB-6 4-8 FT Soil				BJ04212 4/16/2015 TB-106 4-8 FT Soil				BJ04213 4/16/2015 TB-6 26-28 FT Soil				BH83000 3/11/2015 TB-7 (6-8) Solid				BH83001 3/11/2015 TB-7 (10-12) Solid				BH78388 2/27/2015 TB-8 2-4 Solid				BH78389 2/27/2015 TB-8 20-22 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial		Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Chrysene	ug/Kg	1,000	3,900	1,000	56,000		2,600	530		260	1,300	510		250	590	540		260	< 560	560	U	1300	580	570		280	300	260		120	< 260	260	U	120
Dibenz(a,h)anthracene	ug/Kg	330	330	330	560		350	310		250	< 290	290	U	240	< 310	310	U	250	< 330	330	U	1300	< 330	330	U	270	< 260	260	U	120	< 260	260	U	120
Dibenzofuran	ug/Kg			7,000			540	530		220	250	510	J	210	< 540	540	U	230	< 560	560	U	1200	< 570	570	U	240	< 260	260	U	110	< 260	260	U	110
Diethyl phthalate	ug/Kg						< 530	530	U	240	< 510	510	U	230	< 540	540	U	250	< 560	560	U	1300	< 570	570	U	260	< 260	260	U	120	< 260	260	U	120
Dimethylphthalate	ug/Kg						< 530	530	U	240	< 510	510	U	230	< 540	540	U	240	< 560	560	U	1200	< 570	570	U	250	< 260	260	U	110	< 260	260	U	110
Di-n-butylphthalate	ug/Kg						< 530	530	U	200	< 510	510	U	190	< 540	540	U	210	< 560	560	U	1100	< 570	570	U	220	< 260	260	U	98	< 260	260	U	97
Di-n-octylphthalate	ug/Kg						< 530	530	U	200	< 510	510	U	190	< 540	540	U	200	< 560	560	U	1000	< 570	570	U	210	< 260	260	U	95	< 260	260	U	94
Fluoranthene	ug/Kg	100,000	100,000	100,000	500,000		3,700	530		250	1,800	510		240	1,200	540		250	860	560	U	1300	930	570		270	670	260		120	< 260	260	U	120
Fluorene	ug/Kg	100,000	100,000	30,000	500,000		1,200	530		250	530	510		240	< 540	540	U	260	< 560	560	U	1300	< 570	570	J	270	< 260	260	U	120	< 260	260	U	120
Hexachlorobenzene	ug/Kg						< 310	310	U	220	< 290	290	U	210	< 310	310	U	230	< 560	560	U	1200	< 570	570	U	240	< 260	260	U	110	< 260	260	U	110
Hexachlorobutadiene	ug/Kg						< 530	530	U	280	< 510	510	U	260	< 540	540	U	280	< 560	560	U	1400	< 570	570	U	300	< 260	260	U	130	< 260	260	U	130
Hexachlorocyclopentadiene	ug/Kg						< 530	530	U	230	< 510	510	U	220	< 540	540	U	240	< 560	560	U	1200	< 570	570	U	250	< 260	260	U	110	< 260	260	U	110
Hexachloroethane	ug/Kg						< 310	310	U	230	< 290	290	U	220	< 310	310	U	230	< 560	560	U	1200	< 570	570	U	250	< 260	260	U	110	< 260	260	U	110
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	500	5,600		1,400	530		250	660	510		240	< 500	500	U	260	< 330	330	U	1300	< 330	330	U	270	< 260	260	J	120	< 260	260	U	120
Isophorone	ug/Kg						< 310	310	U	210	< 290	290	U	200	< 310	310	U	220	< 560	560	U	1100	< 570	570	U	230	< 260	260	U	100	< 260	260	U	100
Naphthalene	ug/Kg	100,000	100,000	12,000	500,000		510	530	J	220	330	510	J	210	< 540	540	U	220	2,600	560	J	1100	740	570	J	240	< 260	260	U	110	< 260	260	U	100
Nitrobenzene	ug/Kg						< 310	310	U	270	< 290	290	U	260	< 310	310	U	270	< 560	560	U	1400	< 570	570	U	290	< 260	260	U	130	< 260	260	U	130
N-Nitrosodimethylamine	ug/Kg						< 530	530	U	220	< 510	510	U	210	< 540	540	U	220	< 800	800	U	1100	< 820	820	U	230	< 370	370	U	100	< 360	360	U	100
N-Nitrosodi-n-propylamine	ug/Kg						< 310	310	U	250	< 290	290	U	240	< 310	310	U	250	< 560	560	U	1300	< 570	570	U	270	< 260	260	U	120	< 260	260	U	120
N-Nitrosodiphenylamine	ug/Kg						< 310	310	U	290	< 290	290	U	280	< 310	310	U	300	< 800	800	U	1500	< 820	820	U	310	< 370	370	U	140	< 360	360	U	140
Pentachlorophenol	ug/Kg	2,400	6,700	800	6,700		< 530	530	U	290	< 510	510	U	280	< 540	540	U	290	< 800	800	U	1500	< 800	800	U	310	< 370	370	U	140	< 360	360	U	140
Phenanthrene	ug/Kg	100,000	100,000	100,000	500,000		6,700	310		220	3,000	290		210	1,200	310		220	1,500	560		1100	1,400	570		230	460	260		110	< 260	260	U	100
Phenol	ug/Kg	100,000	100,000	330	500,000		< 530	530	U	240	< 330	330	U	230	< 330	330	U	250	< 330	330	U	1300	< 330	330	U	260	< 260	260	U	120	< 260	260	U	120
Pyrene	ug/Kg	100,000	100,000	100,000	500,000		2,900	530		260	1,400	510		250	900	540		270	650	560	U	1400	750	570		280	540	260		130	< 260	260	U	130
PCBs By SW8082A																																		
PCB-1016	ug/Kg	1,000		100			< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	< 410	410	U	410	< 74	74	U	74	< 71	71	U	71
PCB-1221	ug/Kg	1,000		100			< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	< 410	410	U	410	< 74	74	U	74	< 71	71	U	71
PCB-1232	ug/Kg	1,000		100			< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	< 410	410	U	410	< 74	74	U	74	< 71	71	U	71
PCB-1242	ug/Kg	1,000		100			< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	< 410	410	U	410	< 74	74	U	74	< 71	71	U	71
PCB-1248	ug/Kg	1,000		100			< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	1,300	410		410	< 74	74	U	74	< 71	71	U	71
PCB-1254	ug/Kg	1,000		100			< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	< 410	410	U	410	< 74	74	U	74	< 71	71	U	71
PCB-1260	ug/Kg	1,000		100			< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	< 410	410	U	410	< 74	74	U	74	< 71	71	U	71
PCB-1262	ug/Kg						< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	< 410	410	U	410	< 74	74	U	74	< 71	71	U	71
PCB-1268	ug/Kg						< 37	37	U	37	< 36	36	U	36	< 38	38	U	38	< 80	80	U	80	< 410	410	U	410	< 74	74	U	74	< 71	71	U	71
Metals, Total																																		
Aluminum	mg/Kg						14,500	38		7.7	13,600	37		7.3	10,600	38		7.6	8,980	62		8.2	6,790	59		7.9	7,340	58		7.7	5,740	50		6.7
Antimony	mg/Kg						< 1.9	1.9	U	1.9	< 1.8	1.8	U	1.8	< 1.9	1.9	U	1.9	< 4.1	4.1	U	2.1	< 4.0	4.0	U	2.0	< 3.9	3.9		1.9	< 3.4	3.4	U	1.7
Arsenic	mg/Kg	16	16	13	16		12.4	0.8		0.77	6.8	0.7		0.73	3.1	0.8		0.76	3.5	0.8		0.82	5.7	0.8		0.79	4.7	0.8		0.77	0.9	0.7		0.67
Barium	mg/Kg	350	400	350	400		194	0.8	N	0.38	153	0.7	N	0.37	138	0.8	N	0.38	50.3	0.41		0.41	71	0.40		0.40	195	0.39		0.39	17	0.34		0.34
Beryllium	mg/Kg	14	72	7.2	590		0.37	0.31		0.15	0.38	0.29		0.15	0.27	0.31	B	0.15	< 0.33	0.33	U	0.16	< 0.32	0.32	U	0.16	< 0.31	0.31	U	0.15	< 0.27	0.27	U	0.13
Cadmium	mg/Kg	2.5	4.3	2.5	9.3		0.75	0.38		0.15	0.7	0.37		0.15	2.2	0.38		0.15	0.96	0.41		0.16	0.46	0.40		0.16	< 0.39	0.39	U	0.15	< 0.34	0.34	U	0.13
Calcium	mg/Kg						17,000	38		35	11,200	37		34	29,600	38		35	58,000	62	N	38	75,000	59	N	36	108,000	58	N	35	168,000	5,000	N	3100
Chromium	mg/Kg			30			32	0.38		0.38	41.2	0.37		0.37	25.8	0.38		0.38	16.5	0.41		0.41	24.1	0.40		0.40	12.9	0.39		0.39	7.23	0.34		0.34
Cobalt	mg/Kg						12.5	0.38		0.38	10.9	0.37		0.37	8.74	0.38		0.38	4.25	0.41		0.41	6.74	0.40		0.40	4.69	0.39		0.39	2.68	0.34		0.34
Copper	mg/Kg	270	270	50	270		130	0.38		0.38	116	0.37		0.37	73.5	0.38		0.38	23.8	0.41		0.41	60	0.40		0.40	37.7	0.39		0.39	4.26	0.34		0.34
Iron	mg/Kg						52,200	38	*	38	63,700	37	*	37	33,300	38	*	38	9,530	6.2		4.1	16,100	59		40	18,800	58		39	5,030	5.0		3.4
Lead	mg/Kg	400	400	63	1,000		309	7.7	N*	3.8	353	7.3	N*	3.7	273	7.6	N*	3.8	163	0.41		0.41	189	4.0		4.0	30.3	0.39		0.39	5.13	0.34		0.34
Magnesium	mg/Kg						8,760	38		38	5,930	37		37	8,000	38		38	20,600	62		41	10,400	59		40	66,500	580		390	83,800	5,000		3400
Manganese	mg/Kg	2,000	2,000	1,600	10,000		509	3.8	N	3.8	483	3.7	N	3.7	381	3.8	N	3.8	130	0.41	N	0.41	247	4.0	N	4.0	282	3.9		3.9	136	3.4		3.4
Mercury	mg/Kg	0.81	0.81	0.18	2.8		0.7	0.03	N	0.02	0.23	0.03	N	0.02	0.11	0.03	N	0.02	0.05	0.03		0.02	0.54	0.03		0.02	< 0.03	0.03	U	0.02	< 0.03	0.03	U	0.02

TABLE 5C
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix						BJ04211 4/16/2015 TB-6 4-8 FT Soil				BJ04212 4/16/2015 TB-106 4-8 FT Soil				BJ04213 4/16/2015 TB-6 26-28 FT Soil				BH83000 3/11/2015 TB-7 (6-8) Solid				BH83001 3/11/2015 TB-7 (10-12) Solid				BH78388 2/27/2015 TB-8 2-4 Solid				BH78389 2/27/2015 TB-8 20-22 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial		Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Nickel	mg/Kg	140	310	30	310		28.1	0.38		0.38	27.1	0.37		0.37	14.9	0.38		0.38	11.4	0.41		0.41	16.5	0.40		0.40	10.7	0.39		0.39	5.77	0.34		0.34
Potassium	mg/Kg						3,260	8	N	3.0	2,940	7	N	2.9	2,740	8	N	3.0	1,370	6.2	N	3.2	1,770	5.9	N	3.1	1,520	5.8	N	30	353	5.0	N	2.6
Selenium	mg/Kg	36	180	3.9	1,500		< 1.5	1.5	U	1.3	< 1.5	1.5	U	1.2	< 1.5	1.5	U	1.3	< 1.6	1.6	U	1.4	< 1.6	1.6	U	1.3	< 1.5	1.5	U	1.3	< 1.3	1.3	U	1.1
Silver	mg/Kg	36	180	2	1,500		1.07	0.38		0.38	0.84	0.37		0.37	0.99	0.38		0.38	< 0.41	0.41	U	0.41	< 0.40	0.40	U	0.40	< 0.39	0.39	U	0.39	< 0.34	0.34	U	0.34
Sodium	mg/Kg						1,430	8	N	3.3	1,770	7	N	3.1	1,010	8	N	3.3	348	6.2		3.5	257	5.9		3.4	101	5.8	N	3.3	31.9	5.0	N	2.9
Thallium	mg/Kg						< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5	< 3.7	3.7	U	1.6	< 3.6	3.6	U	1.6	< 3.5	3.5	U	1.5	< 3.0	3.0	U	1.3
Vanadium	mg/Kg						43.7	0.4		0.38	46.6	0.4		0.37	34.5	0.4		0.38	27.1	0.41		0.41	36.6	0.40		0.40	17.6	0.39		0.39	8.82	0.34		0.34
Zinc	mg/Kg	2,200	10,000	109	10,000		298	7.7		3.8	314	7.3		3.7	299	7.6		3.8	65.3	0.41		0.41	146	0.40		0.40	229	3.9		3.9	158	3.4		3.4
Miscellaneous/Inorganics																																		
Percent Solid	%						87				90				85				82				80				90				91			
Total Cyanide	mg/Kg						< 0.57	0.57	UN	0.29	< 0.51	0.51	UN	0.25	< 0.53	0.53	UN	0.27	< 0.61	0.61	U	0.30	0.93	0.63		0.31	1.66	0.56		0.28	2.93	0.50		0.25

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

TABLE 5D
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix / Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	BH79486 3/2/2015 TB-9 (2-4) Soil				BH79487 3/2/2015 TB-9 (7-9) Soil				BH79488 3/2/2015 TB-10 (4-6) Soil				BH79489 3/2/2015 TB-10 (32-34) Soil				BH78386 2/27/2015 TB-11 4-6 Solid				BH78387 2/27/2015 TB-11 21-23 Solid				BH78384 2/26/2015 TB-12 4-6 Solid			
						Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles (TCL) By SW8260C																																
1,1,1-Trichloroethane	ug/kg	100,000	100,000	680	500,000	< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
1,1,2,2-Tetrachloroethane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
1,1,2-Trichloroethane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
1,1-Dichloroethane	ug/kg	19,000	26,000	270	240,000	< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
1,1-Dichloroethene	ug/kg	100,000	100,000	330	500,000	< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
1,2,3-Trichlorobenzene	ug/kg					< 360	360	U	1.1	< 360	360	U	56	< 360	360	U	0.70	< 360	360	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
1,2,4-Trichlorobenzene	ug/kg					< 360	360	U	1.1	< 360	360	U	56	< 360	360	U	0.70	< 360	360	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
1,2-Dibromo-3-chloropropane	ug/kg					< 360	360	U	1.1	< 360	360	U	56	< 360	360	U	0.70	< 360	360	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
1,2-Dibromoethane	ug/kg					< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
1,2-Dichlorobenzene	ug/kg	100,000	100,000	1,100	500,000	< 360	360	U	0.53	< 360	360	U	28	< 360	360	U	0.35	< 360	360	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
1,2-Dichloroethane	ug/kg	2,300	3,100	20	30000	< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
1,2-Dichloropropane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
1,3-Dichlorobenzene	ug/kg	17,000	49,000	2,400	280,000	< 360	360	U	0.53	< 360	360	U	28	< 360	360	U	0.35	< 360	360	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
1,4-Dichlorobenzene	ug/kg	9,800	13,000	1,800	130,000	< 360	360	U	0.53	< 360	360	U	28	< 360	360	U	0.35	< 360	360	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
2-Hexanone	ug/kg					< 41	41	U	5.3	< 41	41	U	5.2	< 41	41	U	3.5	< 41	41	U	840	< 29	29	U	5.8	< 30	30	U	6.1	< 20	20	U	4.1
4-Methyl-2-pentanone	ug/kg					< 41	41	U	5.3	< 41	41	U	5.2	< 41	41	U	3.5	< 41	41	U	840	< 29	29	U	5.8	< 30	30	U	6.1	< 20	20	U	4.1
Acetone	ug/kg	100,000	100,000	50	500,000	< 50	50	JS	5.3	83	81	S	5.2	< 50	50	JS	3.5	< 50	50	U	840	< 50	50	JS	5.8	< 50	50	JS	6.1	29	41	BS	4.1
Benzene	ug/kg	2,900	4,800	60	44,000	< 8.1	8.1	J	0.53	6.9	8.1		0.52	5.9	8.1		0.35	1,900	8.1		84	< 5.8	5.8	J	0.58	< 6.1	6.1	J	0.61	< 4.1	4.1	J	0.41
Bromochloromethane	ug/kg					< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
Bromodichloromethane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
Bromoform	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
Bromomethane	ug/kg					< 8.1	8.1	U	2.1	< 8.1	8.1	U	2.1	< 8.1	8.1	U	1.4	< 8.1	8.1	U	340	< 5.8	5.8	U	2.3	< 6.1	6.1	U	2.4	< 4.1	4.1	U	1.6
Carbon Disulfide	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	J	1.0	< 8.1	8.1	J	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	J	1.2	< 4.1	4.1	U	0.82
Carbon tetrachloride	ug/kg	1,400	2,400	760	22,000	< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
Chlorobenzene	ug/kg	100,000	100,000	1,100	500,000	< 20	20	U	10	< 20	20	U	5.2	< 20	20	U	3.5	< 1000	1,000	U	1000	< 5.8	5.8	U	5.8	< 6.1	6.1	U	6.1	< 4.1	4.1	U	4.1
Chloroethane	ug/kg					< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
Chloroform	ug/kg	10,000	49,000	370	350,000	< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
Chloromethane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
cis-1,2-Dichloroethene	ug/kg	59,000	100,000	250	500,000	< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
cis-1,3-Dichloropropene	ug/kg					< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
Cyclohexane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	J	1.0	< 8.1	8.1	J	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	J	1.2	< 4.1	4.1	U	0.82
Dibromochloromethane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
Dichlorodifluoromethane	ug/kg					< 8.1	8.1	J	0.53	< 8.1	8.1	J	0.52	< 8.1	8.1	J	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	J	0.61	< 4.1	4.1	U	0.41
Ethylbenzene	ug/kg	30,000	41,000	1,000	390,000	< 8.1	8.1	U	0.53	< 8.1	8.1	J	0.52	< 8.1	8.1	J	0.35	1,200	8.1		84	< 5.8	5.8	J	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	J	0.41
Isopropylbenzene	ug/kg					< 360	360	U	0.53	< 360	360	U	28	< 360	360	J	0.35	6,900	360		84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	J	0.41
m&p-Xylene	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	J	1.0	8.4	8.1	J	0.70	4,500	8.1		170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	11	4.1	J	0.82
Methyl ethyl ketone	ug/kg	100,000	100,000	120	500,000	< 49	49	U	5.3	< 49	49	J	5.2	< 49	49	J	3.5	< 49	49	U	840	< 35	35	U	5.8	< 36	36	U	6.1	< 25	25	J	4.1
Methyl t-butyl ether (MTBE)	ug/kg	62,000	100,000	930	500,000	< 16	16	U	1.1	< 16	16	U	1.0	< 16	16	U	0.70	< 16	16	U	170	< 12	12	U	1.2	< 12	12	U	1.2	< 8.2	8.2	U	0.82
Methylacetate	ug/kg					< 6.5	6.5	U	2.6	< 6.5	6.5	U	2.6	< 6.5	6.5	U	1.8	< 6.5	6.5	U	420	< 4.6	4.6	U	2.9	< 4.8	4.8	U	3.0	< 3.3	3.3	U	2.0
Methylcyclohexane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	J	1.0	4.1	8.1	J	0.70	9,200	8.1		170	< 5.8	5.8	J	1.2	< 6.1	6.1	J	1.2	< 4.1	4.1	U	0.82
Methylene chloride	ug/kg	51,000	100,000	50	500,000	< 8.1	8.1	U	5.3	< 8.1	8.1	U	5.2	< 8.1	8.1	U	3.5	< 8.1	8.1	U	840	< 5.8	5.8	U	5.8	< 6.1	6.1	U	6.1	< 4.1	4.1	U	4.1
o-Xylene	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	J	1.0	5.1	8.1		0.70	< 8.1	8.1	J	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	8.7	4.1		0.82
Styrene	ug/kg					< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	J	0.41
Tetrachloroethene	ug/kg	5,500	19,000	1,300	150,000	< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	J	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	< 4.1	4.1	U	0.82
Toluene	ug/kg	100,000	100,000	700	500,000	< 8.1	8.1	J	0.53	< 8.1	8.1	J	0.52	4.9	8.1		0.35	< 8.1	8.1	J	84	< 5.8	5.8	J	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	J	0.41
Total Xylenes	ug/kg		100,000	260	500,000	< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	13.5	8.1		0.70	4,500	8.1		170	< 5.8	5.8	U	1.2	< 6.1	6.1	U	1.2	19.7	4.1		0.82
trans-1,2-Dichloroethene	ug/kg	100,000	100,000	190	500,000	< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
trans-1,3-Dichloropropene	ug/kg					< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
Trichloroethene	ug/kg	10,000	21,000	470	200,000	< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	J	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
Trichlorofluoromethane	ug/kg					< 8.1	8.1	U	1.1	< 8.1	8.1	U	1.0	< 8.1	8.1	U	0.70	< 8.1	8.1	U	170	< 5.8	5.8	U	1.2	< 6.1	6.1	J	1.2	< 4.1	4.1	U	0.82

TABLE 5D
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id Collection Date Client Id Matrix					BH79486 3/2/2015 TB-9 (2-4) Soil				BH79487 3/2/2015 TB-9 (7-9) Soil				BH79488 3/2/2015 TB-10 (4-6) Soil				BH79489 3/2/2015 TB-10 (32-34) Soil				BH78386 2/27/2015 TB-11 4-6 Solid				BH78387 2/27/2015 TB-11 21-23 Solid				BH78384 2/26/2015 TB-12 4-6 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Trichlorotrifluoroethane	ug/kg					< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
Vinyl chloride	ug/kg	210	900	20	13,000	< 8.1	8.1	U	0.53	< 8.1	8.1	U	0.52	< 8.1	8.1	U	0.35	< 8.1	8.1	U	84	< 5.8	5.8	U	0.58	< 6.1	6.1	U	0.61	< 4.1	4.1	U	0.41
1,4-dioxane By SW8260C																																
1,4-dioxane	ug/kg	9,800	13,000	100	130,000	< 100	100	U	100	< 100	100	U	100	< 70	70	U	70	< 17000	17,000	U	6700	< 100	100	U	100	< 100	100	U	100	< 82	82	U	82
Semivolatiles By SW8270D																																
1,1-Biphenyl	ug/Kg					< 530	530	U	230	< 530	530	U	230	< 1300	1,300	U	580	< 810	810	U	350	< 2600	2,600	U	1100	< 2700	2,700	U	1200	< 560	560	J	250
1,2,4,5-Tetrachlorobenzene	ug/Kg					< 530	530	U	270	< 530	530	U	270	< 1300	1,300	U	670	< 810	810	U	410	< 2600	2,600	U	1300	< 2700	2,700	U	1400	< 560	560	U	280
2,3,4,6-tetrachlorophenol	ug/Kg					< 530	530	U	360	< 530	530	U	350	< 1300	1,300	U	890	< 810	810	U	540	< 2600	2,600	U	1700	< 2700	2,700	U	1800	< 560	560	U	370
2,4,5-Trichlorophenol	ug/Kg					< 530	530	U	420	< 530	530	U	420	< 1300	1,300	U	1000	< 810	810	U	630	< 2600	2,600	U	2000	< 2700	2,700	U	2100	< 560	560	U	440
2,4,6-Trichlorophenol	ug/Kg					< 530	530	U	240	< 530	530	U	240	< 1300	1,300	U	610	< 810	810	U	370	< 2600	2,600	U	1200	< 2700	2,700	U	1200	< 560	560	U	260
2,4-Dichlorophenol	ug/Kg					< 530	530	U	270	< 530	530	U	270	< 1300	1,300	U	670	< 810	810	U	410	< 2600	2,600	U	1300	< 2700	2,700	U	1400	< 560	560	U	280
2,4-Dimethylphenol	ug/Kg					< 530	530	U	190	< 530	530	U	190	< 1300	1,300	U	470	< 810	810	U	290	< 2600	2,600	U	920	< 2700	2,700	U	960	< 560	560	U	200
2,4-Dinitrophenol	ug/Kg					< 1200	1,200	U	530	< 1200	1,200	U	530	< 3000	3,000	U	1300	< 1800	1,800	U	810	< 6000	6,000	U	2600	< 6200	6,200	U	2700	< 1300	1,300	U	560
2,4-Dinitrotoluene	ug/Kg					< 530	530	U	300	< 530	530	U	300	< 1300	1,300	U	750	< 810	810	U	450	< 2600	2,600	U	1500	< 2700	2,700	U	1500	< 560	560	U	320
2,6-Dinitrotoluene	ug/Kg					< 530	530	U	240	< 530	530	U	240	< 1300	1,300	U	600	< 810	810	U	360	< 2600	2,600	U	1200	< 2700	2,700	U	1200	< 560	560	U	250
2-Chloronaphthalene	ug/Kg					< 530	530	U	220	< 530	530	U	220	< 1300	1,300	U	540	< 810	810	U	330	< 2600	2,600	U	1100	< 2700	2,700	U	1100	< 560	560	U	230
2-Chlorophenol	ug/Kg					< 530	530	U	220	< 530	530	U	220	< 1300	1,300	U	540	< 810	810	U	330	< 2600	2,600	U	1100	< 2700	2,700	U	1100	< 560	560	U	230
2-Methylnaphthalene	ug/Kg					< 530	530	U	230	< 530	530	U	230	< 1300	1,300	J	560	6,500	810		340	< 2600	2,600	U	1100	< 2700	2,700	U	1200	1,300	560		240
2-Methylphenol (o-cresol)	ug/Kg	100,000	100,000	330	500,000	< 330	330	U	360	< 330	330	U	360	< 1300	1,300	U	890	< 330	330	U	540	< 2600	2,600	U	1800	< 2700	2,700	U	1800	< 330	330	U	380
2-Nitroaniline	ug/Kg					< 1200	1,200	U	770	< 1200	1,200	U	770	< 3000	3,000	U	1900	< 1800	1,800	U	1200	< 6000	6,000	U	3800	< 6200	6,200	U	3900	< 1300	1,300	U	810
2-Nitrophenol	ug/Kg					< 530	530	U	480	< 530	530	U	480	< 1300	1,300	U	1200	< 810	810	U	730	< 2600	2,600	U	2400	< 2700	2,700	U	2500	< 560	560	U	510
3&4-Methylphenol (m&p-cresol)	ug/Kg					< 760	760	U	300	< 760	760	U	300	< 1900	1,900	U	750	< 1200	1,200	U	450	< 3700	3,700	U	1500	< 3900	3,900	U	1500	< 800	800	U	320
3,3'-Dichlorobenzidine	ug/Kg					< 920	920	U	310	< 910	910	U	300	< 2300	2,300	U	760	< 1400	1,400	U	460	< 4500	4,500	U	1500	< 4700	4,700	U	1600	< 960	960	U	320
3-Nitroaniline	ug/Kg					< 1200	1,200	U	1700	< 1200	1,200	U	1700	< 3000	3,000	U	4100	< 1800	1,800	U	2500	< 6000	6,000	U	8100	< 6200	6,200	U	8500	< 1300	1,300	U	1700
4,6-Dinitro-2-methylphenol	ug/Kg					< 2200	2,200	U	530	< 2200	2,200	U	530	< 5500	5,500	U	1300	< 3300	3,300	U	810	< 11000	11,000	U	2600	< 11000	11,000	U	2700	< 2300	2,300	U	560
4-Bromophenyl phenyl ether	ug/Kg					< 760	760	U	220	< 760	760	U	220	< 1900	1,900	U	560	< 1200	1,200	U	340	< 3700	3,700	U	1100	< 3900	3,900	U	1100	< 800	800	U	240
4-Chloro-3-methylphenol	ug/Kg					< 530	530	U	270	< 530	530	U	270	< 1300	1,300	U	670	< 810	810	U	410	< 2600	2,600	U	1300	< 2700	2,700	U	1400	< 560	560	U	280
4-Chloroaniline	ug/Kg					< 530	530	U	360	< 530	530	U	350	< 1300	1,300	U	880	< 810	810	U	540	< 2600	2,600	U	1700	< 2700	2,700	U	1800	< 560	560	U	370
4-Chlorophenyl phenyl ether	ug/Kg					< 530	530	U	260	< 530	530	U	250	< 1300	1,300	U	640	< 810	810	U	390	< 2600	2,600	U	1300	< 2700	2,700	U	1300	< 560	560	U	270
4-Nitroaniline	ug/Kg					< 1200	1,200	U	250	< 1200	1,200	U	250	< 3000	3,000	U	630	< 1800	1,800	U	380	< 6000	6,000	U	1200	< 6200	6,200	U	1300	< 1300	1,300	U	270
4-Nitrophenol	ug/Kg					< 2200	2,200	U	340	< 2200	2,200	U	340	< 5500	5,500	U	860	< 3300	3,300	U	520	< 11000	11,000	U	1700	< 11000	11,000	U	1800	< 2300	2,300	U	360
Acenaphthene	ug/Kg	100,000	100,000	20,000	500,000	< 530	530	U	230	< 530	530	J	230	< 1300	1,300	J	580	< 810	810	U	350	< 2600	2,600	U	1100	< 2700	2,700	U	1200	< 560	560	U	240
Acenaphthylene	ug/Kg	100,000	100,000	100,000	500,000	< 530	530	U	210	< 530	530	U	210	< 1300	1,300	U	530	< 810	810	U	320	< 2600	2,600	U	1000	< 2700	2,700	U	1100	< 560	560	U	220
Acetophenone	ug/Kg					< 530	530	U	240	< 530	530	U	240	< 1300	1,300	U	590	< 810	810	U	360	< 2600	2,600	U	1200	< 2700	2,700	U	1200	< 560	560	U	256
Anthracene	ug/Kg	100,000	100,000	100,000	500,000	< 530	530	J	250	1,100	530		250	2,900	1,300		620	< 810	810	J	380	< 2600	2,600	U	1200	< 2700	2,700	J	1300	640	560		260
Atrazine	ug/Kg					< 530	530	U	310	< 530	530	U	300	< 1300	1,300	U	760	< 810	810	U	460	< 2600	2,600	U	1500	< 2700	2,700	U	1600	< 560	560	U	320
Benz(a)anthracene	ug/Kg	1,000	1,000	1,000	5,600	1,700	530		260	1,700	530		250	6,900	1,300		640	1,200	810		390	2,300	2,600	J	1300	2,700	2,700	J	1300	1,400	560		270
Benzaldehyde	ug/Kg					< 530	530	U	230	< 530	530	U	220	< 1300	1,300	U	560	< 810	810	U	340	< 2600	2,600	U	1100	< 2700	2,700	U	1200	< 560	560	U	240
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,000	1,000	1,200	530		250	2,000	530		250	4,000	1,300		620	1,200	810		380	3,400	2,600		1200	3,000	2,700		1300	2,100	560		260
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	1,000	5,600	1,400	530		260	2,400	530		260	5,400	1,300		650	1,600	810		390	4,100	2,600		1300	3,900	2,700		1300	2,300	560		270
Benzo(ghi)perylene	ug/Kg	100,000	100,000	100,000	500,000	< 530	530	J	250	< 530	530	J	250	< 1300	1,300	J	610	< 810	810	J	370	< 2600	2,600	J	1200	< 2700	2,700	J	1300	1,300	560		260
Benzo(k)fluoranthene	ug/Kg	1,000	3,900	800	56,000	600	530		250	1,100	530		250	2,300	1,300		630	< 800	800	J	380	2,200	2,600	J	1200	2,200	2,700	U	1300	1,200	560		270
Benzyl butyl phthalate	ug/Kg					< 530	530	U	200	< 530	530	J	200	< 1300	1,300	U	490	< 810	810	U	300	< 2600	2,600	U	960	< 2700	2,700	U	1000	< 560	560	U	210
Bis(2-chloroethoxy)methane	ug/Kg					< 530	530	U	210	< 530	530	U	210	< 1300	1,300	U	520	< 810	810	U	320	< 2600	2,600	U	1000	< 2700	2,700	U	1100	< 560	560	U	220
Bis(2-chloroethyl)ether	ug/Kg					< 760	760	U	210	< 760	760	U	200	< 1900	1,900	U	510	< 1200	1,200	U	310	< 3700	3,700	U	1000	< 3900	3,900	U	1100	< 800	800	U	220
Bis(2-chloroisopropyl)ether	ug/Kg					< 530	530	U	210	< 530	530	U	210	< 1300	1,300	U	530	< 810	810	U	320	< 2600	2,600	U	1000	< 2700	2,700	U	1100	< 560	560	U	220
Bis(2-ethylhexyl)phthalate	ug/Kg					770	530		220	< 530	530	J	220	< 1300	1,300	J	550	4,000	810		330	< 2600	2,600	U	1100	< 2700	2,700	J	1100	560	560		230
Caprolactam	ug/Kg					< 530	530	U	530	< 530	530	U	530	< 1300	1,300	U	1300	< 810	810	U	810	< 2600	2,600	U	2600	< 2700	2,700	U	2700	< 560	560	U	560
Carbazole	ug/Kg					< 2200	2,200	U	580	< 2200	2,200	U	570	< 5500	5,500	J	1400	< 3300	3,300	U	870	< 11000	11,000	U	2800	< 11000	11,000	U	2900	< 2300	2,300	U	610
Chrysene	ug/Kg	1,000	3,900	1,000	56,000	1,600	530		260	2,300	530		250	4,800	1,300		640	1,500	810		390	2,900	2,600		1300	3,200	2,700		1300	1,500	560		270
Dibenz(a,h)anthracene	ug/Kg	330	330	330	560	< 330	330	U	250	< 330	330	U	250	< 1300	1,300	U	610	< 330	330	U	370	< 2600	2,600	U	1200	< 2700	2,700	U	1300	< 330	330	J	260

TABLE 5D
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix						BH79486 3/2/2015 TB-9 (2-4) Soil				BH79487 3/2/2015 TB-9 (7-9) Soil				BH79488 3/2/2015 TB-10 (4-6) Soil				BH79489 3/2/2015 TB-10 (32-34) Soil				BH78386 2/27/2015 TB-11 4-6 Solid				BH78387 2/27/2015 TB-11 21-23 Solid				BH78384 2/26/2015 TB-12 4-6 Solid			
	Units	NY-Res.	NY-Restrict	NY-UnRestricted	SCO-Commercial		Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Dibenzofuran	ug/Kg			7,000			< 530	530	U	220	< 530	530	J	220	1,400	1,300		550	< 810	810	U	340	< 2600	2,600	U	1100	< 2700	2,700	U	1100	< 560	560	U	230
Diethyl phthalate	ug/Kg						< 530	530	U	240	< 530	530	U	240	< 1300	1,300	U	600	< 810	810	U	360	< 2600	2,600	U	1200	< 2700	2,700	U	1200	< 560	560	U	250
Dimethylphthalate	ug/Kg						< 530	530	U	240	< 530	530	U	240	< 1300	1,300	U	590	< 810	810	U	360	< 2600	2,600	U	1200	< 2700	2,700	U	1200	< 560	560	U	250
Di-n-butylphthalate	ug/Kg						< 530	530	U	200	< 530	530	U	200	< 1300	1,300	U	500	< 810	810	U	310	< 2600	2,600	U	990	< 2700	2,700	U	1000	< 560	560	U	210
Di-n-octylphthalate	ug/Kg						< 530	530	U	200	< 530	530	U	200	< 1300	1,300	U	490	< 810	810	U	300	< 2600	2,600	U	960	< 2700	2,700	U	1000	< 560	560	U	210
Fluoranthene	ug/Kg	100,000	100,000	100,000	500,000		1,900	530		250	3,700	530		250	8,600	1,300		610	2,100	810		370	6,700	2,600		1200	9,100	2,700		1300	2,500	560		260
Fluorene	ug/Kg	100,000	100,000	30,000	500,000		< 530	530	U	250	< 530	530	J	250	1,800	1,300		630	< 810	810	U	380	< 2600	2,600	U	1200	< 2700	2,700	U	1300	< 560	560	U	260
Hexachlorobenzene	ug/Kg						< 530	530	U	220	< 530	530	U	220	< 1300	1,300	U	550	< 810	810	U	340	< 2600	2,600	U	1100	< 2700	2,700	U	1100	< 560	560	U	230
Hexachlorobutadiene	ug/Kg						< 530	530	U	280	< 530	530	U	270	< 1300	1,300	U	690	< 810	810	U	420	< 2600	2,600	U	1300	< 2700	2,700	U	1400	< 560	560	U	290
Hexachlorocyclopentadiene	ug/Kg						< 530	530	U	230	< 530	530	U	230	< 1300	1,300	U	580	< 810	810	U	350	< 2600	2,600	U	1100	< 2700	2,700	U	1200	< 560	560	U	250
Hexachloroethane	ug/Kg						< 530	530	U	230	< 530	530	U	230	< 1300	1,300	U	570	< 810	810	U	350	< 2600	2,600	U	1100	< 2700	2,700	U	1200	< 560	560	U	240
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	500	5,600		< 500	500	J	250	< 500	500	J	250	< 1300	1,300	J	630	1,600	500	J	380	< 2600	2,600	J	1200	< 2700	2,700	U	1300	1,500	560		270
Isophorone	ug/Kg						< 530	530	U	210	< 530	530	U	210	< 1300	1,300	U	530	< 810	810	U	320	< 2600	2,600	U	1000	< 2700	2,700	U	1100	< 560	560	U	220
Naphthalene	ug/Kg	100,000	100,000	12,000	500,000		< 530	530	U	220	< 530	530	J	220	2,100	1,300		550	7,400	810		330	< 2600	2,600	U	1100	< 2700	2,700	U	1100	< 560	560	U	230
Nitrobenzene	ug/Kg						< 530	530	U	270	< 530	530	U	270	< 1300	1,300	U	660	< 810	810	U	400	< 2600	2,600	U	1300	< 2700	2,700	U	1400	< 560	560	U	280
N-Nitrosodimethylamine	ug/Kg						< 760	760	U	220	< 760	760	U	210	< 1900	1,900	U	530	< 1200	1,200	U	330	< 3700	3,700	U	1100	< 3900	3,900	U	1100	< 800	800	U	230
N-Nitrosodi-n-propylamine	ug/Kg						< 530	530	U	250	< 530	530	U	250	< 1300	1,300	U	610	< 810	810	U	370	< 2600	2,600	U	1200	< 2700	2,700	U	1300	< 560	560	U	260
N-Nitrosodiphenylamine	ug/Kg						< 760	760	U	290	< 760	760	U	290	< 1900	1,900	U	730	< 1200	1,200	U	440	< 3700	3,700	U	1400	< 3900	3,900	U	1500	< 800	800	U	310
Pentachlorophenol	ug/Kg	2,400	6,700	800	6,700		< 760	760	U	290	< 760	760	U	290	< 800	800	U	720	< 800	800	U	440	< 3700	3,700	U	1400	< 3900	3,900	U	1500	< 800	800	U	300
Phenanthrene	ug/Kg	100,000	100,000	100,000	500,000		1,700	530		220	3,600	530		220	10,000	1,300		540	2,100	810		330	3,600	2,600		1100	6,500	2,700		1100	1,900	560		230
Phenol	ug/Kg	100,000	100,000	330	500,000		< 330	330	U	240	< 330	330	U	240	< 1300	1,300	U	610	< 330	330	U	370	< 2600	2,600	U	1200	< 2700	2,700	U	1200	< 330	330	U	260
Pyrene	ug/Kg	100,000	100,000	100,000	500,000		1,600	530		260	3,000	530		260	6,500	1,300		650	1,700	810		400	5,400	2,600		1300	7,400	2,700		1300	3,500	560		280
PCBs By SW8082A																																		
PCB-1016	ug/Kg	1,000		100			< 74	74	U	74	< 77	77	U	77	< 76	76	U	76	< 120	120	U	100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
PCB-1221	ug/Kg	1,000		100			< 74	74	U	74	< 77	77	U	77	< 76	76	U	76	< 120	120	U	100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
PCB-1232	ug/Kg	1,000		100			< 74	74	U	74	< 77	77	U	77	< 76	76	U	76	< 120	120	U	100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
PCB-1242	ug/Kg	1,000		100			< 74	74	U	74	< 77	77	U	77	< 76	76	U	76	< 120	120	U	100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
PCB-1248	ug/Kg	1,000		100			< 74	74	U	74	< 77	77	U	77	< 76	76	U	76	< 120	120	U	100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
PCB-1254	ug/Kg	1,000		100			< 74	74	U	74	< 77	77	U	77	< 76	76	U	76	< 120	120	U	100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
PCB-1260	ug/Kg	1,000		100			< 74	74	U	74	< 77	77	U	77	190	76		76	130	120		100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
PCB-1262	ug/Kg						< 74	74	U	74	< 77	77	U	77	< 76	76	U	76	< 120	120	U	100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
PCB-1268	ug/Kg						< 74	74	U	74	< 77	77	U	77	< 76	76	U	76	< 120	120	U	100	< 74	74	U	74	< 77	77	U	77	< 79	79	U	79
Metals, Total																																		
Aluminum	mg/Kg						10,600	54		7.2	8,160	60		8.0	11,200	53		7.1	10,300	88		12	8,040	58		7.8	3,670	54		7.3	11,400	56		7.5
Antimony	mg/Kg						< 3.6	3.6	U	1.8	< 4.0	4.0	U	2.0	< 3.5	3.5	U	1.8	< 7.0	7.0		2.9	< 3.9	3.9	U	1.9	< 3.6	3.6	U	1.8	< 3.8	3.8		1.9
Arsenic	mg/Kg	16	16	13	16		3.3	0.7		0.72	4	0.8		0.80	3.3	0.7		0.71	1.2	1.2		1.2	2.8	0.8		0.78	3.2	0.7		0.73	2.7	0.8		0.75
Barium	mg/Kg	350	400	350	400		79.1	0.36		0.36	57.9	0.40		0.40	73.8	0.35		0.35	332	0.58		0.58	57.6	0.39		0.39	29.3	0.36		0.36	92.2	0.38		0.38
Beryllium	mg/Kg	14	72	7.2	590		0.34	0.29		0.14	< 0.32	0.32	U	0.16	0.32	0.28		0.14	< 0.47	0.47	U	0.23	< 0.31	0.31	U	0.16	< 0.29	0.29	U	0.15	0.38	0.30		0.15
Cadmium	mg/Kg	2.5	4.3	2.5	9.3		< 0.36	0.36	U	0.14	< 0.40	0.40	U	0.16	< 0.35	0.35	U	0.14	3.25	0.58		0.23	< 0.39	0.39	U	0.16	< 0.36	0.36	U	0.15	< 0.38	0.38	U	0.15
Calcium	mg/Kg						15,600	54		33	62,400	60		37	24,800	53		33	86,900	88		54	37,000	58	N	36	86,900	54	N	33	23,900	56	N	35
Chromium	mg/Kg			30			25.2	0.36		0.36	26	0.40		0.40	24.8	0.35		0.35	94.9	0.58		0.58	17	0.39		0.39	16.6	0.36		0.36	25.9	0.38		0.38
Cobalt	mg/Kg						9.57	0.36		0.36	7.28	0.40		0.40	11.4	0.35		0.35	12.3	0.58		0.58	8.8	0.39		0.39	4.61	0.36		0.36	10.2	0.38		0.38
Copper	mg/Kg	270	270	50	270		60.7	0.36		0.36	28	0.40		0.40	57.7	0.35		0.35	90.9	0.58		0.58	74	0.39		0.39	17.7	0.36		0.36	28	0.38		0.38
Iron	mg/Kg						20,100	54		36	13,600	60		40	20,700	53		35	30,900	88		58	18,300	58		39	8,550	5.4		3.6	18,600	56		38
Lead	mg/Kg	400	400	63	1,000		52.5	0.36		0.36	40.6	0.40		0.40	49.3	0.35		0.35	579	5.8		5.8	28	0.39		0.39	37.5	0.36		0.36	37.6	0.38		0.38
Magnesium	mg/Kg						6,620	54		36	30,000	60		40	14,500	53		35	50,100	88		58	15,000	58		39	48,605	54		36	8,150	56		38
Manganese	mg/Kg	2,000	2,000	1,600	10,000		279	3.6		3.6	208	4.0		4.0	349	3.5		3.5	324	5.8		5.8	201	3.9		3.9	165	3.6		3.6	297	3.8		3.8
Mercury	mg/Kg	0.81	0.81	0.18	2.8		0.04	0.03		0.02	0.05	0.03		0.02	4.28	0.03		0.02	0.57	0.05		0.03	0.03	0.03		0.02	< 0.03	0.03	U	0.02	0.1	0.03		0.02
Nickel	mg/Kg	140	310	30	310		20.3	0.36		0.36	16.3	0.40		0.40	19	0.35		0.35	79	0.58		0.58	13.8	0.39		0.39	11.8	0.36		0.36	21.9	0.38		0.38
Potassium	mg/Kg						2,340	5.4	N	2.8	1,860	6.0	N	3.1	3,160	5.3	N	2.8	2,440	8.8	N	4.6	1,940	5.8	N	3.0	1,610	5.4	N	2.8	3,630	56	N	29
Selenium	mg/Kg	36	180	3.9	1,500		< 1.4	1.4	U	1.2	< 1.6	1.6	U	1.4	< 1.4	1.4	U	1.2	< 2.3	2.3	U	2.0	< 1.6	1.6	U	1.3	< 1.5	1.5	U	1.2	< 1.5	1.5	U	1.3

TABLE 5D
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix					BH79486 3/2/2015 TB-9 (2-4) Soil				BH79487 3/2/2015 TB-9 (7-9) Soil				BH79488 3/2/2015 TB-10 (4-6) Soil				BH79489 3/2/2015 TB-10 (32-34) Soil				BH78386 2/27/2015 TB-11 4-6 Solid				BH78387 2/27/2015 TB-11 21-23 Solid				BH78384 2/26/2015 TB-12 4-6 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Silver	mg/Kg	36	180	2	1,500	< 0.36	0.36	U	0.36	< 0.40	0.40	U	0.40	< 0.35	0.35	U	0.35	5.1	0.58		0.58	< 0.39	0.39	U	0.39	< 0.36	0.36	U	0.36	< 0.38	0.38	U	0.38
Sodium	mg/Kg					289	5.4	N	3.1	321	6.0	N	3.4	293	5.3	N	3.1	202	8.8	N	5.0	414	5.8	N	3.3	261	5.4	N	3.1	209	5.6	N	3.2
Thallium	mg/Kg					< 3.2	3.2	U	1.4	< 3.6	3.6	U	1.6	< 3.2	3.2	U	1.4	< 5.3	5.3	U	2.3	< 3.5	3.5	U	1.6	< 3.3	3.3	U	1.5	< 3.4	3.4	U	1.5
Vanadium	mg/Kg					42	0.36		0.36	36.5	0.40		0.40	37.5	0.35		0.35	52.7	0.58		0.58	40.4	0.39		0.39	33.8	0.36		0.36	34.1	0.38		0.38
Zinc	mg/Kg	2,200	10,000	109	10,000	71	0.36		0.36	48.1	0.40		0.40	70.8	0.35		0.35	97.7	5.8		5.8	49.1	0.39		0.39	36.9	0.36		0.36	64.5	0.38		0.38
Miscellaneous/Inorganics																																	
Percent Solid	%					87				86				87				57				88				85				82			
Total Cyanide	mg/Kg					< 0.48	0.48	U	0.24	< 0.58	0.58	U	0.29	< 0.57	0.57	U	0.29	9.82	0.88		0.44	< 0.57	0.57	U	0.28	< 0.59	0.59	U	0.29	< 0.61	0.61	U	0.30

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

U — The compound was anlayzed for but not detected at or above the MDL.
The number immediately preceding the "U" represents the PQL reporting level
corrected for percent solids, weight and/or volume calculations, and dilution factors.

J — The value is estimated. This flag is used
a) on form 1 when the compound is reported above the MDL, but below the PQL, and
b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

N — The concentration is based on the response fo the nearest internal. This flag
is used on the TIC form for all compounds identified.

S — This compound is a solvent that is used in the laboratory. Laboratory contamination is
suspected if concentration is less than five times the reporting level.

D — The reported concentration is the result of a diluted analysis.

(*) — See report for comment.

TABLE 5E
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix					BH78385 42061 TB-12 28-30 Solid				BH78390 42061 TB-13 4-6 Solid				BH78391 42061 TB-13 26-28 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles (TCL) By SW8260C																	
1,1,1-Trichloroethane	ug/kg	100,000	100,000	680	500,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
1,1,2,2-Tetrachloroethane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
1,1,2-Trichloroethane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
1,1-Dichloroethane	ug/kg	19,000	26,000	270	240,000	< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
1,1-Dichloroethene	ug/kg	100,000	100,000	330	500,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
1,2,3-Trichlorobenzene	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
1,2,4-Trichlorobenzene	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
1,2-Dibromo-3-chloropropane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
1,2-Dibromoethane	ug/kg					< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
1,2-Dichlorobenzene	ug/kg	100,000	100,000	1,100	500,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
1,2-Dichloroethane	ug/kg	2,300	3,100	20	30000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
1,2-Dichloropropane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
1,3-Dichlorobenzene	ug/kg	17,000	49,000	2,400	280,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
1,4-Dichlorobenzene	ug/kg	9,800	13,000	1,800	130,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
2-Hexanone	ug/kg					< 25	25	U	5.1	< 30	30	U	6.0	< 27	27	U	5.3
4-Methyl-2-pentanone	ug/kg					< 25	25	U	5.1	< 30	30	U	6.0	< 27	27	U	5.3
Acetone	ug/kg	100,000	100,000	50	500,000	62	51	S	5.1	< 50	50	JBS	6.0	200	53	BS	5.3
Benzene	ug/kg	2,900	4,800	60	44,000	< 5.1	5.1	J	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	J	0.53
Bromochloromethane	ug/kg					< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
Bromodichloromethane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
Bromoform	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
Bromomethane	ug/kg					< 5.1	5.1	U	2.0	< 6.0	6.0	U	2.4	< 5.3	5.3	U	2.1
Carbon Disulfide	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	6.9	5.3		1.1
Carbon tetrachloride	ug/kg	1,400	2,400	760	22,000	< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
Chlorobenzene	ug/kg	100,000	100,000	1,100	500,000	< 5.1	5.1	U	5.1	< 6.0	6.0	U	6.0	< 5.3	5.3	U	5.3
Chloroethane	ug/kg					< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
Chloroform	ug/kg	10,000	49,000	370	350,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
Chloromethane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
cis-1,2-Dichloroethene	ug/kg	59,000	100,000	250	500,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
cis-1,3-Dichloropropene	ug/kg					< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
Cyclohexane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
Dibromochloromethane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
Dichlorodifluoromethane	ug/kg					< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 200	200		0.53
Ethylbenzene	ug/kg	30,000	41,000	1,000	390,000	< 5.1	5.1	U	0.51	< 6.0	6.0	J	0.60	< 5.3	5.3	U	0.53
Isopropylbenzene	ug/kg					< 5.1	5.1	U	0.51	< 6.0	6.0	J	0.60	< 5.3	5.3	U	0.53
m&p-Xylene	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	J	1.2	< 5.3	5.3	U	1.1
Methyl ethyl ketone	ug/kg	100,000	100,000	120	500,000	< 30	30	U	5.1	< 36	36	U	6.0	< 32	32	J	5.3
Methyl t-butyl ether (MTBE)	ug/kg	62,000	100,000	930	500,000	< 10	10	U	1.0	< 12	12	U	1.2	< 11	11	U	1.1
Methylacetate	ug/kg					< 4.0	4.0	U	2.5	< 4.8	4.8	U	3.0	< 4.3	4.3	U	2.7
Methylcyclohexane	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
Methylene chloride	ug/kg	51,000	100,000	50	500,000	< 5.1	5.1	U	5.1	< 6.0	6.0	U	6.0	< 5.3	5.3	U	5.3
o-Xylene	ug/kg					< 5.1	5.1	U	1.0	< 6.0	6.0	J	1.2	< 5.3	5.3	U	1.1
Styrene	ug/kg					< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
Tetrachloroethene	ug/kg	5,500	19,000	1,300	150,000	< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
Toluene	ug/kg	100,000	100,000	700	500,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	J	0.53
Total Xylenes	ug/kg		100,000	260	500,000	< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
trans-1,2-Dichloroethene	ug/kg	100,000	100,000	190	500,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
trans-1,3-Dichloropropene	ug/kg					< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
Trichloroethene	ug/kg	10,000	21,000	470	200,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53

TABLE 5E
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix					BH78385 42061 TB-12 28-30 Solid				BH78390 42061 TB-13 4-6 Solid				BH78391 42061 TB-13 26-28 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Trichlorofluoromethane	ug/Kg					< 5.1	5.1	U	1.0	< 6.0	6.0	U	1.2	< 5.3	5.3	U	1.1
Trichlorotrifluoroethane	ug/Kg					< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
Vinyl chloride	ug/Kg	210	900	20	13,000	< 5.1	5.1	U	0.51	< 6.0	6.0	U	0.60	< 5.3	5.3	U	0.53
1,4-dioxane By SW8260C																	
1,4-dioxane	ug/Kg	9,800	13,000	100	130,000	< 100	100	U	100	< 100	100	U	100	< 100	100	U	43
Semivolatiles By SW8270D																	
1,1-Biphenyl	ug/Kg					< 270	270	U	120	< 1400	1,400	U	590	< 280	280	U	120
1,2,4,5-Tetrachlorobenzene	ug/Kg					< 270	270	U	140	< 1400	1,400	U	680	< 280	280	U	140
2,3,4,6-tetrachlorophenol	ug/Kg					< 270	270	U	180	< 1400	1,400	U	910	< 280	280	U	190
2,4,5-Trichlorophenol	ug/Kg					< 270	270	U	210	< 1400	1,400	U	1100	< 280	280	U	220
2,4,6-Trichlorophenol	ug/Kg					< 270	270	U	120	< 1400	1,400	U	620	< 280	280	U	130
2,4-Dichlorophenol	ug/Kg					< 270	270	U	140	< 1400	1,400	U	680	< 280	280	U	140
2,4-Dimethylphenol	ug/Kg					< 270	270	U	96	< 1400	1,400	U	480	< 280	280	U	100
2,4-Dinitrophenol	ug/Kg					< 620	620	U	270	< 3100	3,100	U	1400	< 650	650	U	280
2,4-Dinitrotoluene	ug/Kg					< 270	270	U	150	< 1400	1,400	U	760	< 280	280	U	160
2,6-Dinitrotoluene	ug/Kg					< 270	270	U	120	< 1400	1,400	U	610	< 280	280	U	130
2-Chloronaphthalene	ug/Kg					< 270	270	U	110	< 1400	1,400	U	550	< 280	280	U	120
2-Chlorophenol	ug/Kg					< 270	270	U	110	< 1400	1,400	U	550	< 280	280	U	120
2-Methylnaphthalene	ug/Kg					< 270	270	J	110	< 1400	1,400	U	580	< 280	280	U	120
2-Methylphenol (o-cresol)	ug/Kg	100,000	100,000	330	500,000	< 270	270	U	180	< 1400	1,400	U	910	< 280	280	U	190
2-Nitroaniline	ug/Kg					< 620	620	U	390	< 3100	3,100	U	2000	< 650	650	U	410
2-Nitrophenol	ug/Kg					< 270	270	U	240	< 1400	1,400	U	1200	< 280	280	U	260
3&4-Methylphenol (m&p-cresol)	ug/Kg					< 390	390	U	150	< 1900	1,900	U	760	< 410	410	U	160
3,3'-Dichlorobenzidine	ug/Kg					< 460	460	U	150	< 2300	2,300	U	770	< 490	490	U	160
3-Nitroaniline	ug/Kg					< 620	620	U	840	< 3100	3,100	U	4200	< 650	650	U	880
4,6-Dinitro-2-methylphenol	ug/Kg					< 1100	1,100	U	270	< 5600	5,600	U	1400	< 1200	1,200	U	280
4-Bromophenyl phenyl ether	ug/Kg					< 390	390	U	110	< 1900	1,900	U	570	< 410	410	U	120
4-Chloro-3-methylphenol	ug/Kg					< 270	270	U	140	< 1400	1,400	U	680	< 280	280	U	140
4-Chloroaniline	ug/Kg					< 270	270	U	180	< 1400	1,400	U	900	< 280	280	U	190
4-Chlorophenyl phenyl ether	ug/Kg					< 270	270	U	130	< 1400	1,400	U	650	< 280	280	U	140
4-Nitroaniline	ug/Kg					< 620	620	U	130	< 3100	3,100	U	650	< 650	650	U	140
4-Nitrophenol	ug/Kg					< 1100	1,100	U	170	< 5600	5,600	U	870	< 1200	1,200	U	180
Acenaphthene	ug/Kg	100,000	100,000	20,000	500,000	< 270	270	J	120	< 1400	1,400	J	590	< 280	280	U	120
Acenaphthylene	ug/Kg	100,000	100,000	100,000	500,000	< 270	270	U	110	< 1400	1,400	U	540	< 280	280	U	110
Acetophenone	ug/Kg					< 270	270	U	120	< 1400	1,400	U	600	< 280	280	U	130
Anthracene	ug/Kg	100,000	100,000	100,000	500,000	570	270		130	2,200	1,400		630	< 280	280	U	130
Atrazine	ug/Kg					< 270	270	U	150	< 1400	1,400	U	770	< 280	280	U	160
Benz(a)anthracene	ug/Kg	1,000	1,000	1,000	5,600	860	270		130	5,400	1,400		650	< 280	280	J	140
Benzaldehyde	ug/Kg					< 270	270	U	110	< 1400	1,400	U	570	< 280	280	U	120
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,000	1,000	750	270		130	5,200	1,400		630	< 280	280	J	130
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	1,000	5,600	980	270		130	6,400	1,400		660	< 280	280	J	140
Benzo(ghi)perylene	ug/Kg	100,000	100,000	100,000	500,000	490	270		120	1,900	1,400		630	< 280	280	U	130
Benzo(k)fluoranthene	ug/Kg	1,000	3,900	800	56,000	420	270		130	4,200	1,400		640	< 280	280	U	130
Benzyl butyl phthalate	ug/Kg					< 270	270	U	99	< 1400	1,400	U	500	< 280	280	U	100
Bis(2-chloroethoxy)methane	ug/Kg					< 270	270	U	110	< 1400	1,400	U	530	< 280	280	U	110
Bis(2-chloroethyl)ether	ug/Kg					< 390	390	U	100	< 1900	1,900	U	520	< 410	410	U	110
Bis(2-chloroisopropyl)ether	ug/Kg					< 270	270	U	110	< 1400	1,400	U	540	< 280	280	U	110
Bis(2-ethylhexyl)phthalate	ug/Kg					640	270		110	< 1400	1,400	U	560	< 280	280	J	120
Caprolactam	ug/Kg					< 270	270	U	270	< 1400	1,400	U	1400	< 280	280	U	280
Carbazole	ug/Kg					< 1100	1,100	J	290	< 5600	5,600	U	1500	< 1200	1,200	U	310

TABLE 5E
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix					BH78385 42061 TB-12 28-30 Solid				BH78390 42061 TB-13 4-6 Solid				BH78391 42061 TB-13 26-28 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Chrysene	ug/Kg	1,000	3,900	1,000	56,000	940	270		130	5,600	1,400		650	< 280	280	J	140
Dibenz(a,h)anthracene	ug/Kg	330	330	330	560	< 270	270	U	120	< 1400	1,400	U	630	< 280	280	U	130
Dibenzofuran	ug/Kg			7,000		280	270		110	< 1400	1,400	U	570	< 280	280	U	120
Diethyl phthalate	ug/Kg					< 270	270	U	120	< 1400	1,400	U	610	< 280	280	U	130
Dimethylphthalate	ug/Kg					< 270	270	U	120	< 1400	1,400	U	600	< 280	280	U	130
Di-n-butylphthalate	ug/Kg					< 270	270	U	100	< 1400	1,400	U	510	< 280	280	U	110
Di-n-octylphthalate	ug/Kg					< 270	270	U	99	< 1400	1,400	U	500	< 280	280	U	100
Fluoranthene	ug/Kg	100,000	100,000	100,000	500,000	2,600	270		120	9,200	1,400		630	450	280		130
Fluorene	ug/Kg	100,000	100,000	30,000	500,000	400	270		130	< 1400	1,400	J	640	< 280	280	U	130
Hexachlorobenzene	ug/Kg					< 270	270	U	110	< 1400	1,400	U	570	< 280	280	U	120
Hexachlorobutadiene	ug/Kg					< 270	270	U	140	< 1400	1,400	U	700	< 280	280	U	150
Hexachlorocyclopentadiene	ug/Kg					< 270	270	U	120	< 1400	1,400	U	590	< 280	280	U	120
Hexachloroethane	ug/Kg					< 270	270	U	120	< 1400	1,400	U	580	< 280	280	U	120
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	500	5,600	420	270		130	1,900	1,400		640	< 280	280	U	130
Isophorone	ug/Kg					< 270	270	U	110	< 1400	1,400	U	540	< 280	280	U	110
Naphthalene	ug/Kg	100,000	100,000	12,000	500,000	< 270	270	U	110	< 1400	1,400	U	560	< 280	280	U	120
Nitrobenzene	ug/Kg					< 270	270	U	130	< 1400	1,400	U	680	< 280	280	U	140
N-Nitrosodimethylamine	ug/Kg					< 390	390	U	110	< 1900	1,900	U	550	< 410	410	U	110
N-Nitrosodi-n-propylamine	ug/Kg					< 270	270	U	120	< 1400	1,400	U	630	< 280	280	U	130
N-Nitrosodiphenylamine	ug/Kg					< 390	390	U	150	< 1900	1,900	U	740	< 410	410	U	160
Pentachlorophenol	ug/Kg	2,400	6,700	800	6,700	< 390	390	U	150	< 1900	1,900	U	730	< 410	410	U	150
Phenanthrene	ug/Kg	100,000	100,000	100,000	500,000	2,500	270		110	7,000	1,400		550	330	280		120
Phenol	ug/Kg	100,000	100,000	330	500,000	< 270	270	U	120	< 1400	1,400	U	620	< 280	280	U	130
Pyrene	ug/Kg	100,000	100,000	100,000	500,000	2,200	270		130	7,400	1,400		670	410	280		140
PCBs By SW8082A																	
PCB-1016	ug/Kg	1,000		100		< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
PCB-1221	ug/Kg	1,000		100		< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
PCB-1232	ug/Kg	1,000		100		< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
PCB-1242	ug/Kg	1,000		100		< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
PCB-1248	ug/Kg	1,000		100		< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
PCB-1254	ug/Kg	1,000		100		< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
PCB-1260	ug/Kg	1,000		100		< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
PCB-1262	ug/Kg					< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
PCB-1268	ug/Kg					< 78	78	U	78	< 78	78	U	78	< 82	82	U	82
Metals, Total																	
Aluminum	mg/Kg					24,900	550		73	8,050	58		7.7	10,400	56		7.4
Antimony	mg/Kg					< 3.7	3.7	U	1.8	< 3.9	3.9	U	1.9	< 3.7	3.7	U	1.9
Arsenic	mg/Kg	16	16	13	16	1.5	0.7		0.73	4.5	0.8		0.77	1.2	0.7		0.74
Barium	mg/Kg	350	400	350	400	157	0.37		0.37	76.9	0.39		0.39	77.7	0.37		0.37
Beryllium	mg/Kg	14	72	7.2	590	0.54	0.29		0.15	0.32	0.31		0.15	0.31	0.30		0.15
Cadmium	mg/Kg	2.5	4.3	2.5	9.3	< 0.37	0.37	U	0.15	< 0.39	0.39	U	0.15	< 0.37	0.37	U	0.15
Calcium	mg/Kg					10,500	5.5	N	34	31,500	58	N	36	15,200	56	N	34
Chromium	mg/Kg			30		17.4	0.37		0.37	24	0.39		0.39	11.6	0.37		0.37
Cobalt	mg/Kg					15	0.37		0.37	7.17	0.39		0.39	9.14	0.37		0.37
Copper	mg/Kg	270	270	50	270	107	0.37		0.37	35.4	0.39		0.39	20.3	0.37		0.37
Iron	mg/Kg					28,800	55		37	13,600	58		39	16,400	56		37
Lead	mg/Kg	400	400	63	1,000	95.8	0.37		0.37	82.8	0.39		0.39	11.8	0.37		0.37
Magnesium	mg/Kg					11,100	55		37	16,600	58		39	7,560	56		37
Manganese	mg/Kg	2,000	2,000	1,600	10,000	380	3.7		3.7	195	3.9		3.9	302	3.7		3.7
Mercury	mg/Kg	0.81	0.81	0.18	2.8	0.1	0.03		0.02	0.12	0.03		0.02	< 0.03	0.03	U	0.02

TABLE 5E
SUBSURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP # 360143

Analyte	Lab Sample Id / Collection Date / Client Id / Matrix						BH78385 42061 TB-12 28-30 Solid				BH78390 42061 TB-13 4-6 Solid				BH78391 42061 TB-13 26-28 Solid			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	SCO-Commercial		Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Nickel	mg/Kg	140	310	30	310		28.9	0.37		0.37	25.3	0.39		0.39	20.8	0.37		0.37
Potassium	mg/Kg						5,300	55	N	29	1,930	5.8	N	3.0	2,650	5.6	N	2.9
Selenium	mg/Kg	36	180	3.9	1,500		< 1.5	1.5	U	1.2	< 1.5	1.5	U	1.3	< 1.5	1.5	U	1.3
Silver	mg/Kg	36	180	2	1,500		< 0.37	0.37	U	0.37	< 0.39	0.39	U	0.39	< 0.37	0.37	U	0.37
Sodium	mg/Kg						312	5.5	N	3.2	230	5.8	N	3.3	198	5.6	N	3.2
Thallium	mg/Kg						< 3.3	3.3	U	1.5	< 3.5	3.5	U	1.5	< 3.3	3.3	U	1.5
Vanadium	mg/Kg						47.9	0.37		0.37	32.6	0.39		0.39	31.1	0.37		0.37
Zinc	mg/Kg	2,200	10,000	109	10,000		168	3.7		3.7	218	3.9		3.9	58.8	0.37		0.37
Miscellaneous/Inorganics																		
Percent Solid	%						84				84				80			
Total Cyanide	mg/Kg						< 0.54	0.54	U	0.27	< 0.54	0.54	U	0.27	< 0.57	0.57	U	0.28

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

TABLE 6A
SURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Analytes	Lab Sample Id Collection Date Client Id Matrix	Part 375 Soil Cleanup Objectives			BJ07743 4/23/2015 SS-1 Soil				BJ07744 4/23/2015 SS-2 Soil				BJ07745 4/23/2015 SS-3 Soil				BJ07746 4/23/2015 SS-4 Soil				BJ07747 4/23/2015 SS-5 Soil				BJ07748 4/23/2015 SS-6 Soil				BJ07749 4/23/2015 SS-7 Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles By SW8260C																																
1,1,1-Trichloroethane	ug/Kg	100,000	100,000	680	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
1,1,2,2-Tetrachloroethane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
1,1,2-Trichloroethane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
1,1-Dichloroethane	ug/Kg	19,000	26,000	270	< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
1,1-Dichloroethene	ug/Kg	100,000	100,000	330	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
1,2,3-Trichlorobenzene	ug/Kg				< 330	330	U	66	< 4.8	4.8	U	0.97	< 350	350	U	69	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 320	320	U	64
1,2,4-Trichlorobenzene	ug/Kg				< 330	330	U	66	< 4.8	4.8	U	0.97	< 350	350	U	69	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 320	320	U	64
1,2-Dibromo-3-chloropropane	ug/Kg				< 330	330	U	66	< 4.8	4.8	U	0.97	< 350	350	U	69	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 320	320	U	64
1,2-Dibromoethane	ug/Kg				< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
1,2-Dichlorobenzene	ug/Kg	100,000	100,000	1,100	< 330	330	U	33	< 4.8	4.8	U	0.48	< 350	350	U	35	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 320	320	U	32
1,2-Dichloroethane	ug/Kg	2,300	3,100	20	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
1,2-Dichloropropane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
1,3-Dichlorobenzene	ug/Kg	17,000	49,000	2,400	< 330	330	U	33	< 4.8	4.8	U	0.48	< 350	350	U	35	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 320	320	U	32
1,4-Dichlorobenzene	ug/Kg	9,800	13,000	1,800	< 330	330	U	33	< 4.8	4.8	U	0.48	< 350	350	U	35	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 320	320	U	32
2-Hexanone	ug/Kg				< 28	28	U	5.7	< 24	24	U	4.8	< 51	51	U	10	< 41	41	U	8.1	< 39	39	U	7.7	< 57	57	U	11	< 69	69	U	14
4-Methyl-2-pentanone	ug/Kg				< 28	28	U	5.7	< 24	24	U	4.8	< 51	51	U	10	< 41	41	U	8.1	< 39	39	U	7.7	< 57	57	U	11	< 69	69	U	14
Acetone	ug/Kg	100,000	100,000	50	6.9	50	JS	5.7	< 48	48	U	4.8	370	350	S	350	< 50	50	U	8.1	16	50	JS	7.7	< 50	50	U	11	< 50	50	U	14
Benzene	ug/Kg	2,900	4,800	60	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Bromochloromethane	ug/Kg				< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Bromodichloromethane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Bromoform	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Bromomethane	ug/Kg				< 5.7	5.7	U	2.3	< 4.8	4.8	U	1.9	< 10	10	U	4.1	< 8.1	8.1	U	3.2	< 7.7	7.7	U	3.1	< 11	11	U	4.6	< 14	14	U	5.5
Carbon Disulfide	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Carbon tetrachloride	ug/Kg	1,400	2,400	760	< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Chlorobenzene	ug/Kg	100,000	100,000	1,100	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Chloroethane	ug/Kg				< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Chloroform	ug/Kg	10,000	49,000	370	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Chloromethane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
cis-1,2-Dichloroethene	ug/Kg	59,000	100,000	250	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
cis-1,3-Dichloropropene	ug/Kg				< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Cyclohexane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Dibromochloromethane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Dichlorodifluoromethane	ug/Kg				< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Ethylbenzene	ug/Kg	30,000	41,000	1,000	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Isopropylbenzene	ug/Kg				< 330	330	U	33	< 4.8	4.8	U	0.48	< 350	350	U	35	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 320	320	U	32
m&p-Xylene	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Methyl ethyl ketone	ug/Kg	100,000	100,000	120	< 34	34	U	5.7	< 29	29	U	4.8	< 61	61	U	10	< 49	49	U	8.1	< 46	46	U	7.7	< 68	68	U	11	< 83	83	U	14
Methyl t-butyl ether (MTBE)	ug/Kg	62,000	100,000	930	< 11	11	U	1.1	< 9.7	9.7	U	0.97	< 20	20	U	2.0	< 16	16	U	1.6	< 15	15	U	1.5	< 23	23	U	2.3	< 28	28	U	2.8
Methylacetate	ug/Kg				< 5.7	5.7	U	2.8	< 4.8	4.8	U	2.4	< 10	10	U	5.1	< 8.1	8.1	U	4.1	< 7.7	7.7	U	3.9	< 11	11	U	5.7	< 14	14	U	6.9
Methylcyclohexane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Methylene chloride	ug/Kg	51,000	100,000	50	< 5.7	5.7	U	5.7	< 4.8	4.8	U	4.8	< 10	10	U	10	< 8.1	8.1	U	8.1	< 7.7	7.7	U	7.7	< 11	11	U	11	< 14	14	U	14
o-Xylene	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Styrene	ug/Kg				< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Tetrachloroethene	ug/Kg	5,500	19,000	1,300	< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Toluene	ug/Kg	100,000	100,000	700	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Total Xylenes	ug/Kg		100,000	260	< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
trans-1,2-Dichloroethene	ug/Kg	100,000	100,000	190	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
trans-1,3-Dichloropropene	ug/Kg				< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Trichloroethene	ug/Kg	10,000	21,000	470	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Trichlorofluoromethane	ug/Kg				< 5.7	5.7	U	1.1	< 4.8	4.8	U	0.97	< 10	10	U	2.0	< 8.1	8.1	U	1.6	< 7.7	7.7	U	1.5	< 11	11	U	2.3	< 14	14	U	2.8
Trichlorotrifluoroethane	ug/Kg				< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4

TABLE 6A
SURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Analytes	Lab Sample Id Collection Date Client Id Matrix	Part 375 Soil Cleanup Objectives			BJ07743 4/23/2015 SS-1 Soil				BJ07744 4/23/2015 SS-2 Soil				BJ07745 4/23/2015 SS-3 Soil				BJ07746 4/23/2015 SS-4 Soil				BJ07747 4/23/2015 SS-5 Soil				BJ07748 4/23/2015 SS-6 Soil				BJ07749 4/23/2015 SS-7 Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Vinyl chloride	ug/Kg	210	900	20	< 5.7	5.7	U	0.57	< 4.8	4.8	U	0.48	< 10	10	U	1.0	< 8.1	8.1	U	0.81	< 7.7	7.7	U	0.77	< 11	11	U	1.1	< 14	14	U	1.4
Semivolatiles By SW8270D																																
1,1-Biphenyl	ug/Kg				< 280	280	U	120	< 250	250	U	110	< 330	330	U	140	< 280	280	U	120	< 270	270	U	120	< 320	320	U	140	< 290	290	U	130
1,2,4,5-Tetrachlorobenzene	ug/Kg				< 280	280	U	140	< 250	250	U	130	< 330	330	U	170	< 280	280	U	140	< 270	270	U	140	< 320	320	U	160	< 290	290	U	150
2,3,4,6-tetrachlorophenol	ug/Kg				< 280	280	U	190	< 250	250	U	170	< 330	330	U	220	< 280	280	U	190	< 270	270	U	180	< 320	320	U	220	< 290	290	U	190
2,4,5-Trichlorophenol	ug/Kg				< 280	280	U	220	< 250	250	U	200	< 330	330	U	260	< 280	280	U	220	< 270	270	U	210	< 320	320	U	250	< 290	290	U	230
2,4,6-Trichlorophenol	ug/Kg				< 160	160	U	130	< 140	140	U	110	< 190	190	U	150	< 160	160	U	130	< 160	160	U	120	< 180	180	U	150	< 170	170	U	130
2,4-Dichlorophenol	ug/Kg				< 160	160	U	140	< 140	140	U	130	< 190	190	U	170	< 160	160	U	140	< 160	160	U	140	< 180	180	U	160	< 170	170	U	150
2,4-Dimethylphenol	ug/Kg				< 280	280	U	100	< 250	250	U	89	< 330	330	U	120	< 280	280	U	99	< 270	270	U	96	< 320	320	U	110	< 290	290	U	100
2,4-Dinitrophenol	ug/Kg				< 280	280	U	280	< 250	250	U	250	< 330	330	U	330	< 280	280	U	280	< 270	270	U	270	< 320	320	U	320	< 290	290	U	290
2,4-Dinitrotoluene	ug/Kg				< 160	160	U	160	< 140	140	U	140	< 190	190	U	190	< 160	160	U	160	< 160	160	U	150	< 180	180	U	180	< 170	170	U	160
2,6-Dinitrotoluene	ug/Kg				< 160	160	U	130	< 140	140	U	110	< 190	190	U	150	< 160	160	U	130	< 160	160	U	120	< 180	180	U	150	< 170	170	U	130
2-Chloronaphthalene	ug/Kg				< 280	280	U	110	< 250	250	U	100	< 330	330	U	130	< 280	280	U	110	< 270	270	U	110	< 320	320	U	130	< 290	290	U	120
2-Chlorophenol	ug/Kg				< 280	280	U	110	< 250	250	U	100	< 330	330	U	130	< 280	280	U	110	< 270	270	U	110	< 320	320	U	130	< 290	290	U	120
2-Methylnaphthalene	ug/Kg				< 280	280	U	120	< 250	250	U	110	< 330	330	U	140	< 280	280	U	120	< 270	270	U	120	< 320	320	U	140	< 290	290	U	120
2-Methylphenol (o-cresol)	ug/Kg	100,000	100,000	330	< 280	280	U	190	< 250	250	U	170	< 330	330	U	220	< 280	280	U	190	< 270	270	U	180	< 320	320	U	220	< 290	290	U	200
2-Nitroaniline	ug/Kg				< 2000	2,000	U	410	< 1800	1,800	U	360	< 2400	2,400	U	480	< 2000	2,000	U	400	< 1900	1,900	U	390	< 2300	2,300	U	460	< 2100	2,100	U	420
2-Nitrophenol	ug/Kg				< 280	280	U	260	< 250	250	U	230	< 330	330	U	300	< 280	280	U	250	< 270	270	U	250	< 320	320	U	290	< 290	290	U	260
3&4-Methylphenol (m&p-cresol)	ug/Kg				< 280	280	U	160	< 250	250	U	140	< 330	330	U	190	< 280	280	U	160	< 270	270	U	150	< 320	320	U	180	< 290	290	U	160
3,3'-Dichlorobenzidine	ug/Kg				< 160	160	U	160	< 140	140	U	140	< 190	190	U	190	< 160	160	U	160	< 160	160	U	160	< 180	180	U	180	< 170	170	U	170
3-Nitroaniline	ug/Kg				< 2000	2,000	U	880	< 1800	1,800	U	780	< 2400	2,400	U	1000	< 2000	2,000	U	870	< 1900	1,900	U	840	< 2300	2,300	U	1000	< 2100	2,100	U	900
4,6-Dinitro-2-methylphenol	ug/Kg				< 280	280	U	280	< 250	250	U	250	< 330	330	U	330	< 280	280	U	280	< 270	270	U	270	< 320	320	U	320	< 290	290	U	290
4-Bromophenyl phenyl ether	ug/Kg				< 280	280	U	120	< 250	250	U	110	< 330	330	U	140	< 280	280	U	120	< 270	270	U	110	< 320	320	U	140	< 290	290	U	120
4-Chloro-3-methylphenol	ug/Kg				< 280	280	U	140	< 250	250	U	130	< 330	330	U	170	< 280	280	U	140	< 270	270	U	140	< 320	320	U	160	< 290	290	U	150
4-Chloroaniline	ug/Kg				< 810	810	U	190	< 720	720	U	170	< 940	940	U	220	< 800	800	U	190	< 780	780	U	180	< 920	920	U	210	< 830	830	U	190
4-Chlorophenyl phenyl ether	ug/Kg				< 280	280	U	140	< 250	250	U	120	< 330	330	U	160	< 280	280	U	130	< 270	270	U	130	< 320	320	U	150	< 290	290	U	140
4-Nitroaniline	ug/Kg				< 2000	2,000	U	130	< 1800	1,800	U	120	< 2400	2,400	U	160	< 2000	2,000	U	130	< 1900	1,900	U	130	< 2300	2,300	U	150	< 2100	2,100	U	140
4-Nitrophenol	ug/Kg				< 280	280	U	180	< 250	250	U	160	< 330	330	U	210	< 280	280	U	180	< 270	270	U	180	< 320	320	U	210	< 290	290	U	190
Acenaphthene	ug/Kg	100,000	100,000	20,000	< 280	280	U	120	< 250	250	U	110	< 330	330	U	140	< 280	280	U	120	< 270	270	U	120	< 320	320	U	140	< 290	290	U	130
Acenaphthylene	ug/Kg	100,000	100,000	100,000	< 160	160	U	110	210	140		100	< 190	190	U	130	< 160	160	U	110	< 160	160	U	110	140	180	J	130	< 170	170	U	120
Acetophenone	ug/Kg				< 280	280	U	130	< 250	250	U	110	< 330	330	U	150	< 280	280	U	120	< 270	270	U	120	< 320	320	U	140	< 290	290	U	130
Anthracene	ug/Kg	100,000	100,000	100,000	< 280	280	U	130	230	250	J	120	< 330	330	U	150	< 280	280	U	130	170	270	J	130	190	320	J	150	140	290	J	140
Atrazine	ug/Kg				< 160	160	U	160	< 140	140	U	140	< 190	190	U	190	< 160	160	U	160	< 160	160	U	160	< 180	180	U	180	< 170	170	U	170
Benz(a)anthracene	ug/Kg	1,000	1,000	1,000	180	280	J	140	840	250		120	520	330		160	170	280	J	130	570	270		130	820	320		150	540	290		140
Benzaldehyde	ug/Kg				< 280	280	U	120	< 250	250	U	110	< 330	330	U	140	< 280	280	U	120	< 270	270	U	110	< 320	320	U	140	< 290	290	U	120
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,000	260	160		130	910	140		120	540	190		150	240	160		130	570	160		130	930	180		150	620	170		140
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	1,000	370	280		140	1,500	250		120	870	330		160	340	280		140	960	270		130	1,600	320		160	1,100	290		140
Benzo(ghi)perylene	ug/Kg	100,000	100,000	100,000	170	280	J	130	410	250		120	240	330	J	150	160	280	J	130	240	270	J	130	440	320		150	340	290		130
Benzo(k)fluoranthene	ug/Kg	1,000	3,900	800	< 280	280	U	130	490	250		120	330	330		160	140	280	J	130	330	270		130	540	320		150	320	290		140
Benzyl butyl phthalate	ug/Kg				< 280	280	U	100	< 250	250	U	93	< 330	330	U	120	< 280	280	U	100	< 270	270	U	100	< 320	320	U	120	< 290	290	U	110
Bis(2-chloroethoxy)methane	ug/Kg				< 280	280	U	110	< 250	250	U	99	< 330	330	U	130	< 280	280	U	110	< 270	270	U	110	< 320	320	U	130	< 290	290	U	110
Bis(2-chloroethyl)ether	ug/Kg				< 160	160	U	110	< 140	140	U	97	< 190	190	U	130	< 160	160	U	110	< 160	160	U	100	< 180	180	U	120	< 170	170	U	110
Bis(2-chloroisopropyl)ether	ug/Kg				< 280	280	U	110	< 250	250	U	100	< 330	330	U	130	< 280	280	U	110	< 270	270	U	110	< 320	320	U	130	< 290	290	U	120
Bis(2-ethylhexyl)phthalate	ug/Kg				< 280	280	U	120	< 250	250	U	100	< 330	330	U	140	< 280	280	U	110	< 270	270	U	110	< 320	320	U	130	< 290	290	U	120
Caprolactam	ug/Kg				< 280	280	U	280	< 250	250	U	250	< 330	330	U	330	< 280	280	U	280	< 270	270	U	270	< 320	320	U	320	< 290	290	U	290
Carbazole	ug/Kg				< 2000	2,000	U	310	< 1800	1,800	U	270	< 2400	2,400	U	360	< 2000	2,000	U	300	< 1900	1,900	U	290	< 2300	2,300	U	350	< 2100	2,100	U	320
Chrysene	ug/Kg	1,000	3,900	1,000	210	280	J	140	890	250		120	520	330		160	190	280	J	130	640	270		130	920	320		150	630	290		140
Dibenz(a,h)anthracene	ug/Kg	330	330	330	< 160	160	U	130	130	140	J	120	< 190	190	U	150	< 160	160	U	130	< 160	160	U	130	< 180	180	U	150	< 170	170	U	130
Dibenzofuran	ug/Kg			7,000	< 280	280	U	120	< 250	250	U	100	< 330	330	U	140	< 280	280	U	120	< 270	270	U	110	< 320	320	U	130	< 290	290	U	120
Diethyl phthalate	ug/Kg				< 280	280	U	130	< 250	250	U	110	< 330	330	U	150	< 280	280	U	130	< 270	270	U	120	< 320	320	U	150	< 290	290	U	130
Dimethylphthalate	ug/Kg				< 280	280	U	130	< 250	250	U	110	< 330	330	U	150	< 280	280	U	120	< 270	270	U	120	< 320	320	U	140	< 290	290	U	130

TABLE 6A
SURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Analytes	Lab Sample Id Collection Date Client Id Matrix	Part 375 Soil Cleanup Objectives			BJ07743 4/23/2015 SS-1 Soil				BJ07744 4/23/2015 SS-2 Soil				BJ07745 4/23/2015 SS-3 Soil				BJ07746 4/23/2015 SS-4 Soil				BJ07747 4/23/2015 SS-5 Soil				BJ07748 4/23/2015 SS-6 Soil				BJ07749 4/23/2015 SS-7 Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Di-n-butylphthalate	ug/Kg				< 280	280	U	110	< 250	250	U	95	< 330	330	U	130	< 280	280	U	110	< 270	270	U	100	< 320	320	U	120	< 290	290	U	110
Di-n-octylphthalate	ug/Kg				< 280	280	U	100	< 250	250	U	93	< 330	330	U	120	< 280	280	U	100	< 270	270	U	100	< 320	320	U	120	< 290	290	U	110
Fluoranthene	ug/Kg	100,000	100,000	100,000	180	280	J	130	850	250		120	490	330		150	140	280	J	130	820	270		130	970	320		150	650	290		130
Fluorene	ug/Kg	100,000	100,000	30,000	< 280	280	U	130	< 250	250	U	120	< 330	330	U	160	< 280	280	U	130	< 270	270	U	130	< 320	320	U	150	< 290	290	U	140
Hexachlorobenzene	ug/Kg				< 160	160	U	120	< 140	140	U	100	< 190	190	U	140	< 160	160	U	120	< 160	160	U	110	< 180	180	U	130	< 170	170	U	120
Hexachlorobutadiene	ug/Kg				< 280	280	U	150	< 250	250	U	130	< 330	330	U	170	< 280	280	U	140	< 270	270	U	140	< 320	320	U	170	< 290	290	U	150
Hexachlorocyclopentadiene	ug/Kg				< 280	280	U	120	< 250	250	U	110	< 330	330	U	140	< 280	280	U	120	< 270	270	U	120	< 320	320	U	140	< 290	290	U	130
Hexachloroethane	ug/Kg				< 160	160	U	120	< 140	140	U	110	< 190	190	U	140	< 160	160	U	120	< 160	160	U	120	< 180	180	U	140	< 170	170	U	120
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	500	150	280	J	130	370	250		120	220	330	J	160	130	280	J	130	230	270	J	130	400	320		150	300	290		140
Isophorone	ug/Kg				< 160	160	U	110	< 140	140	U	100	< 190	190	U	130	< 160	160	U	110	< 160	160	U	110	< 180	180	U	130	< 170	170	U	120
Naphthalene	ug/Kg	100,000	100,000	12,000	< 280	280	U	120	< 250	250	U	100	< 330	330	U	140	< 280	280	U	110	< 270	270	U	110	< 320	320	U	130	< 290	290	U	120
Nitrobenzene	ug/Kg				< 160	160	U	140	< 140	140	U	130	< 190	190	U	160	< 160	160	U	140	< 160	160	U	140	< 180	180	U	160	< 170	170	U	150
N-Nitrosodimethylamine	ug/Kg				< 280	280	U	110	< 250	250	U	100	< 330	330	U	130	< 280	280	U	110	< 270	270	U	110	< 320	320	U	130	< 290	290	U	120
N-Nitrosodi-n-propylamine	ug/Kg				< 160	160	U	130	< 140	140	U	120	< 190	190	U	150	< 160	160	U	130	< 160	160	U	130	< 180	180	U	150	< 170	170	U	130
N-Nitrosodiphenylamine	ug/Kg				< 160	160	U	160	< 140	140	U	140	< 190	190	U	180	< 160	160	U	150	< 160	160	U	150	< 180	180	U	180	< 170	170	U	160
Pentachlorophenol	ug/Kg	2,400	6,700	800	< 280	280	U	150	< 250	250	U	140	< 330	330	U	180	< 280	280	U	150	< 270	270	U	150	< 320	320	U	170	< 290	290	U	160
Phenanthrene	ug/Kg	100,000	100,000	100,000	140	160	J	120	550	140		100	230	190		130	< 160	160	U	110	850	160		110	740	180		130	390	170		120
Phenol	ug/Kg	100,000	100,000	330	< 280	280	U	130	< 250	250	U	110	< 330	330	U	150	< 280	280	U	130	< 270	270	U	120	< 320	320	U	150	< 290	290	U	130
Pyrene	ug/Kg	100,000	100,000	100,000	160	280	J	140	780	250		120	420	330		160	< 280	280	U	140	660	270		130	840	320		160	600	290		140
1,4-dioxane By SW8260C																																
1,4-dioxane	ug/kg	9,800	13,000	100	< 100	100	U	45	< 97	97	U	39	< 100	100	U	81	< 100	100	U	65	< 100	100	U	62	< 100	100	U	91	< 100	100	U	100
Miscellaneous/Inorganics																																
Total Cyanide (SW9010C Distillation)	mg/Kg				0.433	0.62	B	0.31	< 0.55	0.55	U	0.27	0.649	0.71	B	0.36	< 0.55	0.55	U	0.27	< 0.59	0.59	U	0.29	0.491	0.69	B	0.35	0.481	0.64	B	0.32
PCBs By SW8082A																																
PCB-1016	ug/Kg	1,000		100	< 41	41	U	41	< 36	36	U	36	< 48	48	U	48	< 40	40	U	40	< 39	39	U	39	< 45	45	U	45	< 42	42	U	42
PCB-1221	ug/Kg	1,000		100	< 41	41	U	41	< 36	36	U	36	< 48	48	U	48	< 40	40	U	40	< 39	39	U	39	< 45	45	U	45	< 42	42	U	42
PCB-1232	ug/Kg	1,000		100	< 41	41	U	41	< 36	36	U	36	< 48	48	U	48	< 40	40	U	40	< 39	39	U	39	< 45	45	U	45	< 42	42	U	42
PCB-1242	ug/Kg	1,000		100	< 41	41	U	41	< 36	36	U	36	< 48	48	U	48	< 40	40	U	40	< 39	39	U	39	< 45	45	U	45	< 42	42	U	42
PCB-1248	ug/Kg	1,000		100	< 41	41	U	41	< 36	36	U	36	< 48	48	U	48	< 40	40	U	40	< 39	39	U	39	< 45	45	U	45	< 42	42	U	42
PCB-1254	ug/Kg	1,000		100	< 41	41	U	41	< 36	36	U	36	< 48	48	U	48	< 40	40	U	40	< 39	39	U	39	< 45	45	U	45	< 42	42	U	42
PCB-1260	ug/Kg	1,000		100	< 41	41	U	41	< 36	36	U	36	56	48		48	< 40	40	U	40	< 39	39	U	39	71	45		45	< 42	42	U	42
PCB-1262	ug/Kg				< 41	41	U	41	< 36	36	U	36	< 48	48	U	48	< 40	40	U	40	< 39	39	U	39	< 45	45	U	45	< 42	42	U	42
PCB-1268	ug/Kg				< 41	41	U	41	< 36	36	U	36	< 48	48	U	48	< 40	40	U	40	< 39	39	U	39	< 45	45	U	45	< 42	42	U	42
Metals, Total																																
Aluminum	mg/Kg				10,100	39		7.7	12,500	36		7.2	13,700	48		9.7	4,780	38	*	7.6	7,020	39	*	7.7	10,500	41		8.2	5,470	42		8.4
Antimony	mg/Kg				< 1.9	1.9	U	1.9	< 1.8	1.8	U	1.8	< 2.4	2.4	U	2.4	< 1.9	1.9	U	1.9	< 1.9	1.9	U	1.9	< 2.0	2.0	U	2.0	< 2.1	2.1	U	2.1
Arsenic	mg/Kg	16	16	13	2.4	0.8	*	0.77	4.5	0.7	*	0.72	2.5	1.0	*	0.97	2	0.8		0.76	1.2	0.8		0.77	1.8	0.8	*	0.82	2.1	0.8	*	0.84
Barium	mg/Kg	350	400	350	65.7	0.8		0.39	122	0.7		0.36	104	1.0		0.48	49.4	0.8	*	0.38	38.6	0.8	*	0.39	76.5	0.8		0.41	51.4	0.8		0.42
Beryllium	mg/Kg	14	72	7.2	0.34	0.31		0.15	0.49	0.29		0.14	0.45	0.39		0.19	0.24	0.30	B*	0.15	0.25	0.31	B*	0.15	0.35	0.33		0.16	0.2	0.34	B	0.17
Cadmium	mg/Kg	2.5	4.3	2.5	< 0.39	0.39	U	0.15	0.22	0.36	B	0.14	0.42	0.48	B	0.19	< 0.38	0.38	U	0.15	< 0.39	0.39	U	0.15	< 0.41	0.41	U	0.16	< 0.42	0.42	U	0.17
Calcium	mg/Kg				10,300	39		35	38,400	36		33	10,200	48		44	71,000	38		35	25,600	39		36	10,100	41		38	51,300	42		39
Chromium	mg/Kg			30	21.6	0.39		0.39	24.4	0.36		0.36	25.5	0.48		0.48	12.5	0.38	*	0.38	11.9	0.39	*	0.39	27.1	0.41		0.41	12.3	0.42		0.42
Cobalt	mg/Kg				8.06	0.39	*	0.39	9.75	0.36	*	0.36	12.3	0.48	*	0.48	4.27	0.38	*	0.38	6.52	0.39	*	0.39	8.54	0.41	*	0.41	5.27	0.42	*	0.42
Copper	mg/kg	270	270	50	51.1	0.39	N*	0.39	64.5	0.36	N*	0.36	60.7	0.48	N*	0.48	18	3.8		3.8	38.2	0.39		0.39	30.6	0.41	N*	0.41	32.1	0.42	N*	0.42
Iron	mg/Kg				17,200	39	*	39	24,200	36	*	36	27,500	48	*	48	8,970	3.8	*	3.8	12,700	39	*	39	17,800	41	*	41	11,600	42	*	42
Lead	mg/Kg	400	400	63	39.6	0.8		0.39	181	7.2		3.6	105	9.7		4.8	38.1	0.8	*	0.38	27.5	0.8	*	0.39	69.1	0.8		0.41	26.9	0.8		0.42
Magnesium	mg/Kg				8,040	39		39	20,000	36		36	9,800	48		48	35,200	38		38	8,960	39		39	7,660	41		41	27,800	42		42
Manganese	mg/Kg	2,000	2,000	1,600	239	3.9	N	3.9	349	3.6	N	3.6	363	4.8	N	4.8	179	3.8	N	3.8	178	3.9	N	3.9	286	4.1	N	4.1	204	4.2	N	4.2

TABLE 6A
SURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Analytes	Lab Sample Id Collection Date Client Id Matrix	Part 375 Soil Cleanup Objectives			BJ07743 4/23/2015 SS-1 Soil				BJ07744 4/23/2015 SS-2 Soil				BJ07745 4/23/2015 SS-3 Soil				BJ07746 4/23/2015 SS-4 Soil				BJ07747 4/23/2015 SS-5 Soil				BJ07748 4/23/2015 SS-6 Soil				BJ07749 4/23/2015 SS-7 Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Mercury	mg/Kg	0.81	0.81	0.18	0.06	0.03	N	0.02	0.24	0.03	N	0.02	0.23	0.03	N	0.02	0.03	0.03	N	0.02	< 0.03	0.03	UN	0.02	0.1	0.03	N	0.02	< 0.03	0.03	UN	0.02
Nickel	mg/Kg	140	310	30	15.1	0.39	*	0.39	28.2	0.36	*	0.36	21.5	0.48	*	0.48	9.95	0.38	*	0.38	11.7	0.39	*	0.39	21.9	0.41	*	0.41	11.7	0.42	*	0.42
Potassium	mg/Kg				2,640	77		30	2,350	72		28	3,570	97		38	1,690	76	N	30	1,180	77	N	30	2,730	82		32	1,510	84		33
Selenium	mg/Kg	36	180	3.9	< 1.5	1.5	U	1.3	< 1.4	1.4	U	1.2	< 1.9	1.9	U	1.6	< 1.5	1.5	U	1.3	< 1.5	1.5	U	1.3	< 1.6	1.6	U	1.4	< 1.7	1.7	U	1.4
Silver	mg/Kg	36	180	2	< 0.39	0.39	U	0.39	< 0.36	0.36	U	0.36	< 0.48	0.48	U	0.48	< 0.38	0.38	U	0.38	< 0.39	0.39	U	0.39	< 0.41	0.41	U	0.41	< 0.42	0.42	U	0.42
Sodium	mg/Kg				748	8	N	3.3	311	7	N	3.1	192	10	N	4.2	226	8	N	3.3	462	8	N	3.3	153	8	N	3.5	246	8	N	3.6
Thallium	mg/Kg				< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.9	1.9	U	1.9	< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.6	1.6	U	1.6	< 1.7	1.7	U	1.7
Vanadium	mg/Kg				33.5	0.4	N	0.39	42.2	0.4	N	0.36	47.9	0.5	N	0.48	30.2	0.4	*	0.38	27.8	0.4	*	0.39	33.7	0.4	N	0.41	37.2	0.4	N	0.42
Zinc	mg/Kg	2,200	10,000	109	66.7	0.8		0.39	212	7.2		3.6	161	9.7		4.8	51.8	0.8		0.38	38.6	0.8		0.39	83.4	0.8		0.41	75	0.8		0.42

Qualifiers

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

TABLE 6B
SURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Analytes	Lab Sample Id / Collection Date / Client Id / Matrix	Part 375 Soil Cleanup Objectives			BJ07750 4/23/2015 SS-8 Soil				BJ07751 4/23/2015 SS-9 Soil				BJ07752 4/23/2015 SS-10 Soil				BJ07753 4/23/2015 SS-EB-8 Soil				BJ07754 4/23/2015 TRIP BLANK LOW Soil				BJ07755 4/23/2015 SS-107 Soil				BJ07756 4/23/2015 TRIP BLANK HIGH Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles By SW8260C																																
1,1,1-Trichloroethane	ug/Kg	100,000	100,000	680	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
1,1,2,2-Tetrachloroethane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
1,1,2-Trichloroethane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
1,1-Dichloroethane	ug/Kg	19,000	26,000	270	< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
1,1-Dichloroethene	ug/Kg	100,000	100,000	330	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
1,2,3-Trichlorobenzene	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 350	350	U	70	< 250	250	U	50
1,2,4-Trichlorobenzene	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 350	350	U	70	< 250	250	U	50
1,2-Dibromo-3-chloropropane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 350	350	U	70	< 250	250	U	50
1,2-Dibromoethane	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
1,2-Dichlorobenzene	ug/Kg	100,000	100,000	1,100	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 350	350	U	35	< 250	250	U	25
1,2-Dichloroethane	ug/Kg	2,300	3,100	20	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
1,2-Dichloropropane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
1,3-Dichlorobenzene	ug/Kg	17,000	49,000	2,400	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 350	350	U	35	< 250	250	U	25
1,4-Dichlorobenzene	ug/Kg	9,800	13,000	1,800	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 350	350	U	35	< 250	250	U	25
2-Hexanone	ug/Kg				< 46	46	U	9.1	< 78	78	U	16	< 47	47	U	9.5	< 39	39	U	7.8	< 25	25	U	5.0	< 42	42	U	8.5	< 1300	1,300	U	250
4-Methyl-2-pentanone	ug/Kg				< 46	46	U	9.1	< 78	78	U	16	< 47	47	U	9.5	< 39	39	U	7.8	< 25	25	U	5.0	< 42	42	U	8.5	< 1300	1,300	U	250
Acetone	ug/Kg	100,000	100,000	50	< 50	50	U	9.1	< 50	50	U	16	< 50	50	U	9.5	11	50	JS	7.8	< 50	50	U	5.0	< 50	50	U	8.5	< 2500	2,500	U	250
Benzene	ug/Kg	2,900	4,800	60	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Bromochloromethane	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Bromodichloromethane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Bromoform	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Bromomethane	ug/Kg				< 9.1	9.1	U	3.7	< 16	16	U	6.2	< 9.5	9.5	U	3.8	< 7.8	7.8	U	3.1	< 5.0	5.0	U	2.0	< 8.5	8.5	U	3.4	< 250	250	U	100
Carbon Disulfide	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Carbon tetrachloride	ug/Kg	1,400	2,400	760	< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Chlorobenzene	ug/Kg	100,000	100,000	1,100	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Chloroethane	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Chloroform	ug/Kg	10,000	49,000	370	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Chloromethane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
cis-1,2-Dichloroethene	ug/Kg	59,000	100,000	250	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
cis-1,3-Dichloropropene	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Cyclohexane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Dibromochloromethane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Dichlorodifluoromethane	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Ethylbenzene	ug/Kg	30,000	41,000	1,000	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Isopropylbenzene	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 350	350	U	35	< 250	250	U	25
m&p-Xylene	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	78	350	J	70	< 250	250	U	50
Methyl ethyl ketone	ug/Kg	100,000	100,000	120	< 55	55	U	9.1	< 94	94	U	16	< 57	57	U	9.5	< 47	47	U	7.8	< 30	30	U	5.0	< 51	51	U	8.5	< 1500	1,500	U	250
Methyl t-butyl ether (MTBE)	ug/Kg	62,000	100,000	930	< 18	18	U	1.8	< 31	31	U	3.1	< 19	19	U	1.9	< 16	16	U	1.6	< 10	10	U	1.0	< 17	17	U	1.7	< 500	500	U	50
Methylacetate	ug/Kg				< 9.1	9.1	U	4.6	< 16	16	U	7.8	< 9.5	9.5	U	4.7	< 7.8	7.8	U	3.9	< 5.0	5.0	U	2.5	< 8.5	8.5	U	4.2	< 250	250	U	130
Methylcyclohexane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Methylene chloride	ug/Kg	51,000	100,000	50	< 9.1	9.1	U	9.1	< 16	16	U	16	< 9.5	9.5	U	9.5	< 7.8	7.8	U	7.8	< 5.0	5.0	U	5.0	< 8.5	8.5	U	8.5	< 250	250	U	250
o-Xylene	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Styrene	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Tetrachloroethene	ug/Kg	5,500	19,000	1,300	< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Toluene	ug/Kg	100,000	100,000	700	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Total Xylenes	ug/Kg		100,000	260	< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 260	260	U	70	< 250	250	U	50
trans-1,2-Dichloroethene	ug/Kg	100,000	100,000	190	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
trans-1,3-Dichloropropene	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Trichloroethene	ug/Kg	10,000	21,000	470	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Trichlorofluoromethane	ug/Kg				< 9.1	9.1	U	1.8	< 16	16	U	3.1	< 9.5	9.5	U	1.9	< 7.8	7.8	U	1.6	< 5.0	5.0	U	1.0	< 8.5	8.5	U	1.7	< 250	250	U	50
Trichlorotrifluoroethane	ug/Kg				< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25
Vinyl chloride	ug/Kg	210	900	20	< 9.1	9.1	U	0.91	< 16	16	U	1.6	< 9.5	9.5	U	0.95	< 7.8	7.8	U	0.78	< 5.0	5.0	U	0.50	< 8.5	8.5	U	0.85	< 250	250	U	25

TABLE 6B
SURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Analytes	Lab Sample Id / Collection Date / Client Id / Matrix	Part 375 Soil Cleanup Objectives			BJ07750 4/23/2015 SS-8 Soil				BJ07751 4/23/2015 SS-9 Soil				BJ07752 4/23/2015 SS-10 Soil				BJ07753 4/23/2015 SS-EB-8 Soil				BJ07754 4/23/2015 TRIP BLANK LOW Soil				BJ07755 4/23/2015 SS-107 Soil				BJ07756 4/23/2015 TRIP BLANK HIGH Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Semivolatiles By SW8270D																																
1,1-Biphenyl	ug/Kg				< 260	260	U	120	< 310	310	U	130	< 300	300	U	130	< 240	240	U	100					< 290	290	U	120				
1,2,4,5-Tetrachlorobenzene	ug/Kg				< 260	260	U	130	< 310	310	U	160	< 300	300	U	150	< 240	240	U	120					< 290	290	U	140				
2,3,4,6-tetrachlorophenol	ug/Kg				< 260	260	U	180	< 310	310	U	210	< 300	300	U	200	< 240	240	U	160					< 290	290	U	190				
2,4,5-Trichlorophenol	ug/Kg				< 260	260	U	210	< 310	310	U	240	< 300	300	U	230	< 240	240	U	190					< 290	290	U	220				
2,4,6-Trichlorophenol	ug/Kg				< 150	150	U	120	< 180	180	U	140	< 170	170	U	140	< 140	140	U	110					< 160	160	U	130				
2,4-Dichlorophenol	ug/Kg				< 150	150	U	130	< 180	180	U	160	< 170	170	U	150	< 140	140	U	120					< 160	160	U	140				
2,4-Dimethylphenol	ug/Kg				< 260	260	U	94	< 310	310	U	110	< 300	300	U	100	< 240	240	U	85					< 290	290	U	100				
2,4-Dinitrophenol	ug/Kg				< 260	260	U	260	< 310	310	U	310	< 300	300	U	300	< 240	240	U	240					< 290	290	U	290				
2,4-Dinitrotoluene	ug/Kg				< 150	150	U	150	< 180	180	U	170	< 170	170	U	170	< 140	140	U	130					< 160	160	U	160				
2,6-Dinitrotoluene	ug/Kg				< 150	150	U	120	< 180	180	U	140	< 170	170	U	130	< 140	140	U	110					< 160	160	U	130				
2-Chloronaphthalene	ug/Kg				< 260	260	U	110	< 310	310	U	130	< 300	300	U	120	< 240	240	U	97					< 290	290	U	120				
2-Chlorophenol	ug/Kg				< 260	260	U	110	< 310	310	U	130	< 300	300	U	120	< 240	240	U	97					< 290	290	U	120				
2-Methylnaphthalene	ug/Kg				< 260	260	U	110	< 310	310	U	130	< 300	300	U	130	< 240	240	U	100					< 290	290	U	120				
2-Methylphenol (o-cresol)	ug/Kg	100,000	100,000	330	< 260	260	U	180	< 310	310	U	210	< 300	300	U	200	< 240	240	U	160					< 290	290	U	190				
2-Nitroaniline	ug/Kg				< 1900	1,900	U	380	< 2200	2,200	U	450	< 2100	2,100	U	430	< 1700	1,700	U	350					< 2000	2,000	U	410				
2-Nitrophenol	ug/Kg				< 260	260	U	240	< 310	310	U	280	< 300	300	U	270	< 240	240	U	220					< 290	290	U	260				
3&4-Methylphenol (m&p-cresol)	ug/Kg				< 260	260	U	150	< 310	310	U	170	< 300	300	U	170	< 240	240	U	130					< 290	290	U	160				
3,3'-Dichlorobenzidine	ug/Kg				< 150	150	U	150	< 180	180	U	180	< 170	170	U	170	< 140	140	U	140					< 160	160	U	160				
3-Nitroaniline	ug/Kg				< 1900	1,900	U	820	< 2200	2,200	U	960	< 2100	2,100	U	920	< 1700	1,700	U	740					< 2000	2,000	U	890				
4,6-Dinitro-2-methylphenol	ug/Kg				< 260	260	U	260	< 310	310	U	310	< 300	300	U	300	< 240	240	U	240					< 290	290	U	290				
4-Bromophenyl phenyl ether	ug/Kg				< 260	260	U	110	< 310	310	U	130	< 300	300	U	120	< 240	240	U	100					< 290	290	U	120				
4-Chloro-3-methylphenol	ug/Kg				< 260	260	U	130	< 310	310	U	160	< 300	300	U	150	< 240	240	U	120					< 290	290	U	140				
4-Chloroaniline	ug/Kg				< 750	750	U	180	< 880	880	U	210	< 850	850	U	200	< 680	680	U	160					< 820	820	U	190				
4-Chlorophenyl phenyl ether	ug/Kg				< 260	260	U	130	< 310	310	U	150	< 300	300	U	140	< 240	240	U	110					< 290	290	U	140				
4-Nitroaniline	ug/Kg				< 1900	1,900	U	130	< 2200	2,200	U	150	< 2100	2,100	U	140	< 1700	1,700	U	110					< 2000	2,000	U	140				
4-Nitrophenol	ug/Kg				< 260	260	U	170	< 310	310	U	200	< 300	300	U	190	< 240	240	U	150					< 290	290	U	180				
Acenaphthene	ug/Kg	100,000	100,000	20,000	< 260	260	U	110	< 310	310	U	130	< 300	300	U	130	< 240	240	U	100					< 290	290	U	120				
Acenaphthylene	ug/Kg	100,000	100,000	100,000	130	150	J	110	< 180	180	U	120	< 170	170	U	120	< 140	140	U	96					130	160	J	110				
Acetophenone	ug/Kg				< 260	260	U	120	< 310	310	U	140	< 300	300	U	130	< 240	240	U	110					< 290	290	U	130				
Anthracene	ug/Kg	100,000	100,000	100,000	320	260		120	< 310	310	U	140	< 300	300	U	140	< 240	240	U	110					220	290	J	130				
Atrazine	ug/Kg				< 150	150	U	150	< 180	180	U	180	< 170	170	U	170	< 140	140	U	140					< 160	160	U	160				
Benz(a)anthracene	ug/Kg	1,000	1,000	1,000	1,900	260		130	390	310		150	< 300	300	U	140	< 240	240	U	110					730	290		140				
Benzaldehyde	ug/Kg				< 260	260	U	110	< 310	310	U	130	< 300	300	U	130	< 240	240	U	100					< 290	290	U	120				
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,000	1,900	150		120	440	180		140	< 170	170	U	140	< 140	140	U	110					780	160		130				
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	1,000	2,900	260		130	730	310		150	< 300	300	U	140	< 240	240	U	120					1,300	290		140				
Benzo(ghi)perylene	ug/Kg	100,000	100,000	100,000	540	260		120	230	310	J	140	< 300	300	U	140	< 240	240	U	110					400	290		130				
Benzo(k)fluoranthene	ug/Kg	1,000	3,900	800	990	260		130	220	310	J	150	< 300	300	U	140	< 240	240	U	110					400	290		140				
Benzyl butyl phthalate	ug/Kg				< 260	260	U	97	< 310	310	U	110	< 300	300	U	110	< 240	240	U	88					< 290	290	U	110				
Bis(2-chloroethoxy)methane	ug/Kg				< 260	260	U	100	< 310	310	U	120	< 300	300	U	120	< 240	240	U	94					< 290	290	U	110				
Bis(2-chloroethyl)ether	ug/Kg				< 150	150	U	100	< 180	180	U	120	< 170	170	U	110	< 140	140	U	92					< 160	160	U	110				
Bis(2-chloroisopropyl)ether	ug/Kg				< 260	260	U	100	< 310	310	U	120	< 300	300	U	120	< 240	240	U	95					< 290	290	U	110				
Bis(2-ethylhexyl)phthalate	ug/Kg				110	260	J	110	< 310	310	U	130	260	300	J	120	< 240	240	U	98					< 290	290	U	120				
Caprolactam	ug/Kg				< 260	260	U	260	< 310	310	U	310	< 300	300	U	300	< 240	240	U	240					< 290	290	U	290				
Carbazole	ug/Kg				< 1900	1,900	U	290	< 2200	2,200	U	330	< 2100	2,100	U	320	< 1700	1,700	U	260					< 2000	2,000	U	310				
Chrysene	ug/Kg	1,000	3,900	1,000	1,600	260		130	430	310		150	< 300	300	U	140	< 240	240	U	110					840	290		140				
Dibenz(a,h)anthracene	ug/Kg	330	330	330	160	150		120	< 180	180	U	140	< 170	170	U	140	< 140	140	U	110					< 160	160	U	130				
Dibenzofuran	ug/Kg			7,000	< 260	260	U	110	< 310	310	U	130	< 300	300	U	120	< 240	240	U	100					< 290	290	U	120				
Diethyl phthalate	ug/Kg				< 260	260	U	120	< 310	310	U	140	< 300	300	U	130	< 240	240	U	110					< 290	290	U	130				
Dimethylphthalate	ug/Kg				< 260	260	U	120	< 310	310	U	140	< 300	300	U	130	< 240	240	U	110					< 290	290	U	130				
Di-n-butylphthalate	ug/Kg				< 260	260	U	100	< 310	310	U	120	< 300	300	U	110	< 240	240	U	91					< 290	290	U	110				
Di-n-octylphthalate	ug/Kg				< 260	260	U	97	< 310	310	U	110	< 300	300	U	110	< 240	240	U	88					< 290	290	U	110				
Fluoranthene	ug/Kg	100,000	100,000	100,000	2,900	260		120	480	310		140	< 300	300	U	140	< 240	240	U	110					970	290		130				

TABLE 6B
SURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Analytes	Lab Sample Id / Collection Date / Client Id / Matrix	Part 375 Soil Cleanup Objectives			BJ07750 4/23/2015 SS-8 Soil				BJ07751 4/23/2015 SS-9 Soil				BJ07752 4/23/2015 SS-10 Soil				BJ07753 4/23/2015 SS-EB-8 Soil				BJ07754 4/23/2015 TRIP BLANK LOW Soil				BJ07755 4/23/2015 SS-107 Soil				BJ07756 4/23/2015 TRIP BLANK HIGH Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Fluorene	ug/Kg	100,000	100,000	30,000	< 260	260	U	120	< 310	310	U	150	< 300	300	U	140	< 240	240	U	110					< 290	290	U	130				
Hexachlorobenzene	ug/Kg				< 150	150	U	110	< 180	180	U	130	< 170	170	U	120	< 140	140	U	100					< 160	160	U	120				
Hexachlorobutadiene	ug/Kg				< 260	260	U	140	< 310	310	U	160	< 300	300	U	150	< 240	240	U	120					< 290	290	U	150				
Hexachlorocyclopentadiene	ug/Kg				< 260	260	U	120	< 310	310	U	130	< 300	300	U	130	< 240	240	U	100					< 290	290	U	120				
Hexachloroethane	ug/Kg				< 150	150	U	110	< 180	180	U	130	< 170	170	U	130	< 140	140	U	100					< 160	160	U	120				
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	500	520	260		130	190	310	J	150	< 300	300	U	140	< 240	240	U	110					340	290		140				
Isophorone	ug/Kg				< 150	150	U	110	< 180	180	U	120	< 170	170	U	120	< 140	140	U	96					< 160	160	U	110				
Naphthalene	ug/Kg	100,000	100,000	12,000	< 260	260	U	110	< 310	310	U	130	< 300	300	U	120	< 240	240	U	98					< 290	290	U	120				
Nitrobenzene	ug/Kg				< 150	150	U	130	< 180	180	U	150	< 170	170	U	150	< 140	140	U	120					< 160	160	U	140				
N-Nitrosodimethylamine	ug/Kg				< 260	260	U	110	< 310	310	U	120	< 300	300	U	120	< 240	240	U	96					< 290	290	U	120				
N-Nitrosodi-n-propylamine	ug/Kg				< 150	150	U	120	< 180	180	U	140	< 170	170	U	140	< 140	140	U	110					< 160	160	U	130				
N-Nitrosodiphenylamine	ug/Kg				< 150	150	U	140	< 180	180	U	170	< 170	170	U	160	< 140	140	U	130					< 160	160	U	160				
Pentachlorophenol	ug/Kg	2,400	6,700	800	< 260	260	U	140	< 310	310	U	170	< 300	300	U	160	< 240	240	U	130					< 290	290	U	150				
Phenanthrene	ug/Kg	100,000	100,000	100,000	940	150		110	390	180		130	< 170	170	U	120	< 140	140	U	98					660	160		120				
Phenol	ug/Kg	100,000	100,000	330	< 260	260	U	120	< 310	310	U	140	< 300	300	U	140	< 240	240	U	110					< 290	290	U	130				
Pyrene	ug/Kg	100,000	100,000	100,000	2,300	260		130	390	310		150	< 300	300	U	150	< 240	240	U	120					880	290		140				
1,4-dioxane By SW8260C																																
1,4-dioxane	ug/kg	9,800	13,000	100	< 100	100	U	73	< 100	100	U	100	< 100	100	U	76	< 100	100	U	63	< 100	100	U	40	< 100	100	U	68	< 5000	5,000	U	2000
Miscellaneous/Inorganics																																
Total Cyanide (SW9010C Distillation)	mg/Kg				< 1.1	1.1	U	0.57	< 0.67	0.67	U	0.33	< 0.64	0.64	U	0.32	< 0.52	0.52	U	0.26					< 0.62	0.62	U	0.31				
Metals, Total																																
Aluminum	mg/Kg				9,580	33		6.7	9,450	44		8.8	16,500	44		8.8	741	3.6		0.71					6,180	37		7.3				
Antimony	mg/Kg				< 1.7	1.7	U	1.7	< 2.2	2.2	U	2.2	< 2.2	2.2	U	2.2	< 1.8	1.8	U	1.8					< 1.8	1.8	U	1.8				
Arsenic	mg/Kg	16	16	13	1.7	0.7	*	0.67	1.8	0.9	*	0.88	4.5	0.9	*	0.88	< 0.7	0.7	U*	0.71					2	0.7	*	0.73				
Barium	mg/Kg	350	400	350	207	0.7		0.33	115	0.9		0.44	77.8	0.9		0.44	4.3	0.7		0.36					55	0.7		0.37				
Beryllium	mg/Kg	14	72	7.2	0.3	0.27		0.13	0.32	0.35	B	0.18	0.52	0.35		0.18	< 0.29	0.29	U	0.14					0.22	0.29	B	0.15				
Cadmium	mg/Kg	2.5	4.3	2.5	< 0.33	0.33	U	0.13	< 0.44	0.44	U	0.18	< 0.44	0.44	U	0.18	< 0.36	0.36	U	0.14					< 0.37	0.37	U	0.15				
Calcium	mg/Kg				71,400	33		31	6,300	44		40	2,440	44		40	126	3.6		3.3					80,700	37		34				
Chromium	mg/Kg			30	20.5	0.33		0.33	26	0.44		0.44	28.5	0.44		0.44	3.9	0.36		0.36					11.5	0.37		0.37				
Cobalt	mg/Kg				8.73	0.33	*	0.33	7.92	0.44	*	0.44	10	0.44	*	0.44	0.67	0.36	*	0.36					5.97	0.37	*	0.37				
Copper	mg/Kg	270	270	50	35.5	0.33	N*	0.33	29.7	0.44	N*	0.44	29.4	0.44	N*	0.44	2.19	0.36	N*	0.36					45.3	0.37	N*	0.37				
Iron	mg/Kg				18,400	33	*	33	16,900	44	*	44	25,400	44	*	44	1,960	36	*	36					14,300	37	*	37				
Lead	mg/Kg	400	400	63	77.9	0.7		0.33	45.8	0.9		0.44	25.9	0.9		0.44	1.3	0.7		0.36					27.9	0.7		0.37				
Magnesium	mg/Kg				44,300	33		33	5,530	44		44	5,070	44		44	226	3.6		3.6					24,700	37		37				
Manganese	mg/Kg	2,000	2,000	1,600	348	3.3	N	3.3	304	4.4	N	4.4	514	4.4	N	4.4	28.3	0.36	N	0.36					251	3.7	N	3.7				
Mercury	mg/Kg	0.81	0.81	0.18	0.09	0.03	N	0.02	0.06	0.03	N	0.02	0.03	0.03	N	0.02	< 0.03	0.03	UN	0.02					0.03	0.03	BN	0.02				
Nickel	mg/Kg	140	310	30	17	0.33	*	0.33	17.7	0.44	*	0.44	18.1	0.44	*	0.44	1.02	0.36	*	0.36					11.7	0.37	*	0.37				
Potassium	mg/Kg				4,490	67		26	3,230	88		34	2,240	88		34	129	71		28					1,720	73		29				
Selenium	mg/Kg	36	180	3.9	< 1.3	1.3	U	1.1	< 1.8	1.8	U	1.5	< 1.8	1.8	U	1.5	< 1.4	1.4	U	1.2					< 1.5	1.5	U	1.2				
Silver	mg/Kg	36	180	2	< 0.33	0.33	U	0.33	< 0.44	0.44	U	0.44	< 0.44	0.44	U	0.44	< 0.36	0.36	U	0.36					< 0.37	0.37	U	0.37				
Sodium	mg/Kg				159	7	N	2.9	150	9	N	3.8	84	9	N	3.8	14	7	N	3.1					286	7	N	3.2				
Thallium	mg/Kg				< 1.3	1.3	U	1.3	< 1.8	1.8	U	1.8	< 1.8	1.8	U	1.8	< 1.4	1.4	U	1.4					< 1.5	1.5	U	1.5				
Vanadium	mg/Kg				33.8	0.3	N	0.33	30.7	0.4	N	0.44	37.9	0.4	N	0.44	3.7	0.4	N	0.36					36.4	0.4	N	0.37				
Zinc	mg/Kg	2,200	10,000	109	159	6.7		3.3	78.1	0.9		0.44	65.9	0.9		0.44	4.3	0.7		0.36					74.6	0.7		0.37				
PCBs By SW8082A																																
PCB-1016	ug/Kg	1,000		100	< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				
PCB-1221	ug/Kg	1,000		100	< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				
PCB-1232	ug/Kg	1,000		100	< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				
PCB-1242	ug/Kg	1,000		100	< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				
PCB-1248	ug/Kg	1,000		100	< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				
PCB-1254	ug/Kg	1,000		100	< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				
PCB-1260	ug/Kg	1,000		100	< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				

TABLE 6B
SURFACE SOIL LABORATORY ANALYTICAL RESULTS SUMMARY

REMEDIAL INVESTIGATION
109-125 MARBLEDALE ROAD
TUCKAHOE, NEW YORK
BCP #C360143

Analytes	Lab Sample Id / Collection Date / Client Id / Matrix	Part 375 Soil Cleanup Objectives			BJ07750 4/23/2015 SS-8 Soil				BJ07751 4/23/2015 SS-9 Soil				BJ07752 4/23/2015 SS-10 Soil				BJ07753 4/23/2015 SS-EB-8 Soil				BJ07754 4/23/2015 TRIP BLANK LOW Soil				BJ07755 4/23/2015 SS-107 Soil				BJ07756 4/23/2015 TRIP BLANK HIGH Soil			
	Units	NY-Res.	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
PCB-1262	ug/Kg				< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				
PCB-1268	ug/Kg				< 38	38	U	38	< 44	44	U	44	< 41	41	U	41	< 34	34	U	34					< 40	40	U	40				

Qualifiers

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

1. Samples were obtained by HydroEnvironmental Solutions, Inc. of Somers, NY on April 23, 2015 and analyzed by Phoenix Environmental Laboratories, Inc. of Manchester, CT.
2. Phoenix Environmental reviewed the analytical data and compared the analytical Reporting Limits to the NYSDEC Part 375 Soil Cleanup Objectives.
3. Any Regulatory Exceedances are color coded.
4. Sample SS-107 is a duplicate sample of SS-7 for QA/QC control.

Table 7
Groundwater Monitoring Data and Elevations

Remedial Investigation
109-125 Marbledale Road
Tuckahoe, New York
BCP #C360143

Well	Ground Elevation	5/11/2015		5/18/2015		5/21/2015	
		DTW	Water Table Elevation	DTW	Water Table Elevation	DTW	Water Table Elevation
MW-1	134.15	21.00	113.15	21.69	112.46	22.42	111.73
MW-2	147.85	29.54	118.31	29.75	118.10	30.09	117.76
MW-3	150.97	18.3	132.67	19.07	131.90	19.71	131.26
MW-4	132.93	20.1	112.83	20.84	112.09	21.09	111.84
MW-5	138.56	25.37	113.19	26.23	112.33	26.6	111.96
MW-6	135.70	22.58	113.12	23.36	112.34	23.5	112.2
MW-7	146.74	33.26	113.48	33.92	112.82	34.51	112.23
MW-8	149.22	20.87	128.35	21.38	127.84	21.65	127.57
MW-9	150.21	17.87	132.34	18.45	131.76	18.6	131.61

Notes:

1. DTW (depth to water) in feet below grade (ftbg)
2. Elevations referenced to North American Vertical Datum - 1988 (NAVD-88) in feet. Measurements provided on site survey (Figure 3) provided by Mr. Michael W. Finkbeiner.

Table 8
Remedial Investigation
Shallow and Subsurface Soil Data Summary

109-125 Marbledale Road
Tuckahoe, New York
BCP #360143

Analyte		NYSDEC BCP SCOs			Shallow Soil (11 samples)		Subsurface Soil (27 samples)	
		NY-Restricted	NY-Residential Restricted	NY-UnRestricted	Frequency of Detection	Range of Detected Concentrations	Frequency of Detection	Range of Detected Concentrations
Volatiles (TCL) By SW8260C								
Acetone	ug/Kg	100,000	100,000	50	4	6.9-370	14	20-250
Benzene	ug/Kg	2,900	4,800	60			6	5.9-1,800
Carbon Disulfide	ug/Kg						5	1.2-6.9
Dichlorodifluoromethane	ug/Kg						5	8-420
Ethylbenzene	ug/Kg	30,000	41,000	1,000			5	23-1,200
Isopropylbenzene	ug/Kg						3	27-6,900
m&p-Xylene	ug/Kg				1	78	9	21-4,500
Methyl ethyl ketone	ug/Kg	100,000	100,000	120			7	11-110
Methylcyclohexane	ug/Kg						4	4.1-9,200
o-Xylene	ug/Kg						7	5.1-92
Toluene	ug/Kg	100,000	100,000	700			6	49-1,000
Total Xylenes	ug/Kg		100,000	260			7	13.5-4,500
Trichloroethene	ug/Kg	10,000	21,000	470			1	330
Trichlorofluoromethane	ug/Kg						2	46-75
Semivolatiles By SW8270D								
1,1-Biphenyl	ug/Kg						8	170-6,500
3&4-Methylphenol (m&p-cresol)	ug/Kg						7	420-1,200
Acenaphthene	ug/Kg	100,000	100,000	20,000			2	350-790
Acenaphthylene	ug/Kg	100,000	100,000	100,000	4	130-210	1	810
Anthracene	ug/Kg	100,000	100,000	100,000	6	140-320	9	300-2,200
Benz(a)anthracene	ug/Kg	1,000	1,000	1,000	10	170-1,900	19	540-5,900
Benzaldehyde	ug/Kg						1	620
Benzo(a)pyrene	ug/Kg	1,000	1,000	1,000	10	240-1,900	18	260-5,800
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	1,000	10	340-2,900	21	350-7,700
Benzo(ghi)perylene	ug/Kg	100,000	100,000	100,000	10	160-540	8	140-2,900
Benzo(k)fluoranthene	ug/Kg	1,000	3,900	800	9	140-990	12	240-2,500
Bis(2-ethylhexyl)phthalate	ug/Kg				2	110-260	16	240-32,000
Chrysene	ug/Kg	1,000	3,900	1,000	10	190-1,600	21	300-6,000
Dibenz(a,h)anthracene	ug/Kg	330	330	330	2	130-160	2	390-790
Dibenzofuran	ug/Kg			7,000			4	250-1,400
Fluoranthene	ug/Kg	100,000	100,000	100,000	10	140-2,900	23	450-9,200
Fluorene	ug/Kg	100,000	100,000	30,000			6	140-1,800
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	500	10	130-520	9	140-2,700
Naphthalene	ug/Kg	100,000	100,000	12,000			8	330-7,400
Phenanthrene	ug/Kg	100,000	100,000	100,000	9	140-940	23	220-10,000
Pyrene	ug/Kg	100,000	100,000	100,000	9	160-2,300	23	410-7,400
PCBs By SW8082A								
PCB-1248	ug/Kg	1,000		100			1	1,300
PCB-1260	ug/Kg	1,000		100	2	56-71	3	130-1,100
Metals, Total								
Aluminum	mg/Kg				12	741-16,500	27	3,670-24,900
Arsenic	mg/Kg	16	16	13	11	1.2-4.5	27	0.9-25.1
Barium	mg/Kg	350	400	350	12	4.3-207	27	17-1,120
Beryllium	mg/Kg	14	72	7.2	11	0.2-0.52	17	0.25-0.61
Cadmium	mg/Kg	2.5	4.3	2.5	2	0.22-0.42	13	0.16-3.25
Calcium	mg/Kg				12	126-80,700	27	5,090-168,000
Chromium	mg/Kg			30	12	3.9-28.5	27	7.23-84.7
Cobalt	mg/Kg				12	0.67-12.3	27	2.68-12.9
Copper	mg/kg	270	270	50	12	2.19-64.5	27	4.26-150
Iron	mg/Kg				12	1,960-27,500	27	5,030-73,300
Lead	mg/Kg	400	400	63	12	1.3-181	27	5.13-589
Magnesium	mg/Kg				12	226-44,300	27	3,580-83,800
Manganese	mg/Kg	2,000	2,000	1,600	12	28.3-514	27	130-721
Mercury	mg/Kg	0.81	0.81	0.18	9	0.03-0.24	21	0.03-0.57
Nickel	mg/Kg	140	310	30	12	1.02-28.2	27	5.77-62
Potassium	mg/Kg				12	129-4490	27	353-5,300
Silver	mg/Kg	36	180	2			8	0.84-6.45
Sodium	mg/Kg				12	14-748	27	31.9-3,960
Vanadium	mg/Kg				12	3.7-47.9	27	8.82-80.5
Zinc	mg/Kg	2,200	10,000	109	12	4.3-212	27	36.9-5,500
Miscellaneous/Inorganics								
Total Cyanide	mg/Kg						9	0.443-9.82

TABLE 9
Chemical Release Mechanisms/Exposure Pathways in the Absence of Site Remediation

Remedial Investigation
109-125 Marbledale Road
Tuckahoe, New York
Brownfield Cleanup Program #C360143

Source Media	Release Mechanism	Exposure Media	Site Conditions	Viable Current Exposure Pathway?	Viable Future Exposure Pathway?
On-Site Soil/Fill	-	Surface Soil/Fill (0-2"bgs)	The site is approximately 3.45 acres in a predominantly commerical/industrial area of Tuckahoe. Surrounding land uses include auto repair shops, a gym and martial arts studio, and a brewery. The site is comprised of two contiguous parcels of vacant, undeveloped land. Fill thicknesses range from 8 to 85 feet across the Site.	Yes - surface soil/fill samples were collected; data are considered representative of conditions across the Site. COPC have been identified in surface soil/fill. Though the Site is unoccupied, there is field evidence of trespassing. Therefore, there is the potential for trespassers to contact COPC in the surface soil/fill where exposed.	Yes - Site redevelopment will result in the site being almost 100% covered with either buildings, sidewalks, asphalt-paved parking lots, or vegetative cover. Therefore, the only potential human receptors that may contact COPC in surface soil/fill are construction/utility workers improving or maintaining the site. Such exposure would be limited to the duration of construction/utility work.
	-	Subsurface Soil/Fill (> 2' bgs)	See description above for "Surface Soil/Fill"	No - Subsurface soil/fill samples were collected; data are considered representative of conditions across the site. COPC have been identified in subsurface soil/fill. However, it is not expected that Site workers, trespassers, or off-Site residents would contact COPC subsurface soil/fill. Therefore, there are no potentially complete exposure pathways.	Yes - Site redevelopment will result in the site being almost 100% covered with either buildings, sidewalks, asphalt-paved parking lots, or vegetative cover. Therefore, the only potential human receptors that may contact COPC in subsurface soil/fill are construction/utility workers improving or maintaining the Site. Such exposure would be limited to the duration of construction/utility work.
	Leaching	Groundwater	See descriptions above for "Surface Soil/Fill." Saturated conditions were encountered from 18 to 33 ftbg across the Site. General groundwater flow direction is to the south/southeast. Potable water will be provided to the Site by the Village of Tuckahoe.	No - Groundwater samples were collected. However, groundwater was not identified as an environmental medium of concern for the Site because it is not expected that humans will encounter groundwater.	No - Groundwater samples were collected. However, groundwater was not identified as an environmental medium of concern for the site because it is not expected that humans will encounter groundwater. It is not expected that construction/utility workers will encounter groundwater during future construction or excavation activities due to the depth of groundwater.
Soil Gas	Migration	Indoor Air	See description above for "Surface Soil/Fill."	Yes - Soil vapor samples were collected; data are considered representative of conditions across the site. COPC were identified in soil vapor. The Site is vacant and undeveloped, therefore there is no potential for soil vapor to migrate to indoor air of buildings.	Yes - Soil vapor samples were collected; data are considered representative of conditions across the site. COPC were identified in soil vapor. Therefore, there is the potential for soil vapor to migrate to indoor air of future structures on the Site, and there are potentially complete exposure pathways to future site workers and on-Site guests.

Notes
COPC = chemicals of potential concern
bgs = below ground surface
ftbg = feet below grade

Table 10
Non-carcinogenic Health Effects of Chemicals of Potential Concern

109-125 Marbledale Road
Tuckahoe, New York
BCP #360143

Chemical of Potential Concern	CAS #	Non-carcinogenic Oral Critical Effect	Non-carcinogenic Inhalation Critical Effect
Volatile Organic Compounds			
Acetone	67-64-1	Nephropathy	---
Benzene	71-43-2	Decreased lymphocyte count	Decreased lymphocyte count
Carbon Disulfide	75-15-0	Fetal toxicity/malformations	Peripheral nervous system dysfuntion
Dichlorodifluoromethane	75-71-8	Decreased body weight	---
Ethylbenzene	100-41-4	Liver and kidney toxicity	Developmental toxicity
Isopropylbenzene	98-82-8	Increased kidney weight	Increased kidney weight
m&p-Xylene	179601-23-1	Decreased body weight; increased mortality	Impaired motor coordination (decreased rotarod performance)
Methyl ethyl ketone	78-93-3	Decreased pup body weight	Developmental toxicity
Methylcyclohexane	108-87-2	---	---
o-Xylene	95-47-6	Decreased body weight; increased mortality	Impaired motor coordination (decreased rotarod performance)
Toluene	108-88-3	Increased kidney weight	Neurological effects in occupationally-exposed workers
Total Xylenes	1330-20-7	Decreased body weight; increased mortality	Impaired motor coordination (decreased rotarod performance)
Trichloroethene	79-01-6	---	---
Trichlorofluoromethane	75-69-4	Survival and histopathology	---
Semivolatile Organic Compounds			
1,1-Biphenyl	92-52-4	Renal papillary mineralization	---
3&4-Methylphenol (m&p-cresol)	PHNX - M&P CRESOL	---	---
Acenaphthene	83-32-9	Hepatoxicity	---
Acenaphthylene	208-96-8	---	---
Anthracene	120-12-7	No effects reported	---
Benz(a)anthracene	56-55-3	---	---
Benzaldehyde	100-52-7	Forestomach lesions, kidney toxicity	---
Benzo(a)pyrene	50-32-8	---	---
Benzo(b)fluoranthene	205-99-2	---	---
Benzo(ghi)perylene	191-24-2	---	---
Benzo(k)fluoranthene	207-08-9	---	---
Bis(2-ethylhexyl)phthalate	117-81-7	Increased relative liver weight	
Chrysene	218-01-9	---	---
Dibenz(a,h)anthracene	53-70-3	---	---
Dibenzofuran	132-64-9	---	---
Fluoranthene	206-44-0	Nephropathy, increased liver weights, hematological alterations and clinical effects	---
Fluorene	86-73-7	Decreased red blood cells, packed cell volume, and hemoglobin	---
Indeno(1,2,3-cd)pyrene	193-39-5	---	---
Naphthalene	91-20-3	Decreased mean terminal body weight	Nasal effects: hyperplasia and metaplasia in respiratory and olfactory epithelium, respectively
Phenanthrene	85-01-8	---	---
Pyrene	129-00-0	Kidney effects (renal tubular pathology, decreased kidney weights)	---
PCBs			
PCB-1248	12672-29-6	---	---
PCB-1260	11096-82-5	---	---
Metals			
Aluminum	7429-90-5	---	---
Arsenic	7429-90-5	Hyperpigmentation, keratosis, & possible vasular complications	---
Barium	7440-39-3	Nephropathy	Hypertension
Beryllium	7440-41-7	Small intestinal lesions	Beryllium sensitization and progression to chronic beryllium disease
Cadmium	7440-43-9	Significant proteinuria	---
Calcium	7440-43-2	---	---
Chromium	7440-47-3	No effects reported	---
Cobalt	7440-48-4	---	---
Copper	7440-50-8	---	---
Iron	7439-89-6	---	---
Lead	7439-92-1	---	---
Magnesium	7439-95-4	---	---
Manganese	7439-96-5	Central nervous system effects	Impairment of neurobehavioral function
Mercury	7439-97-6	Autoimmune effects	---
Nickel	7440-02-0	Decreased body and organ weights	---
Potassium	7440-09-7	---	---
Silver	7440-22-4	Argyria	---
Sodium	7440-23-5	---	---
Vanadium	7440-62-2	---	---
Zinc	7440-66-6	Decreases in red blood cells	---
Cyanide			
Total Cyanide	57-12-5	Decreased body weight, thryroid effects, and myelin degeneration	---

Notes
Source: Integrated Risk Information System (IRIS) (USEPA, 2015
---= Not available

Table 11
Carcinogenic Health Effects of Chemicals of Potential Concern

109-125 Marbledale Road
Tuckahoe, New York
BCP #360143

Chemical of Potential Concern	CAS #	Oral Cancer Type	Inhalation Cancer Type	Weight-of-Evidence Characterization*
Volatile Organic Compounds				
Acetone	67-64-1	---	---	---
Benzene	71-43-2	Leukemia	Leukemia	A
Carbon Disulfide	75-15-0	---	---	---
Dichlorodifluoromethane	75-71-8	---	---	---
Ethylbenzene	100-41-4	---	---	---
Isopropylbenzene	98-82-8	---	---	D
m&p-Xylene	179601-23-1	---	---	---
Methyl ethyl ketone	78-93-3	---	---	---
Methylcyclohexane	108-87-2	---	---	---
o-Xylene	95-47-6	---	---	---
Toluene	108-88-3	---	---	---
Total Xylenes	1330-20-7	---	---	---
Trichloroethene	79-01-6	---	---	---
Trichlorofluoromethane	75-69-4	---	---	---
Semivolatile Organic Compounds				
1,1-Biphenyl	92-52-4	---	---	D
3&4-Methylphenol (m&p-cresol)	PHNX - M&P CRESOL	---	---	C
Acenaphthene	83-32-9	---	---	---
Acenaphthylene	208-96-8	---	---	D
Anthracene	120-12-7	---	---	D
Benz(a)anthracene	56-55-3	---	---	---
Benzaldehyde	100-52-7	---	---	---
Benzo(a)pyrene	50-32-8	Forestomach, squamous cell papillomas and carcinomas; forestomach, larynx and esophagus, papillomas and carcinomas	---	B2
Benzo(b)fluoranthene	205-99-2	---	---	B2
Benzo(ghi)perylene	191-24-2	---	---	D
Benzo(k)fluoranthene	207-08-9	---	---	B2
Bis(2-ethylhexyl)phthalate	117-81-7	Hepatocellular carcinoma and adenoma	---	B2
Chrysene	218-01-9	---	---	B2
Dibenz(a,h)anthracene	53-70-3	---	---	B2
Dibenzofuran	132-64-9	---	---	D
Fluoranthene	206-44-0	---	---	D
Fluorene	86-73-7	---	---	D
Indeno(1,2,3-cd)pyrene	193-39-5	---	---	B3
Naphthalene	91-20-3	---	---	---
Phenanthrene	85-01-8	---	---	D
Pyrene	129-00-0	---	---	D
PCBs				
PCB-1248	12672-29-6	---	---	---
PCB-1260	11096-82-5	---	---	---
Metals				
Aluminum	7429-90-5	---	---	---
Arsenic	7429-90-5	Skin cancer	Lung cancer	A
Barium	7440-39-3	---	---	D
Beryllium	7440-41-7	---	---	B1
Cadmium	7440-43-9	---	Lung, trachea, bronchus cancer deaths	B1
Calcium	7440-43-2	---	---	---
Chromium	7440-47-3	---	---	D
Cobalt	7440-48-4	---	---	---
Copper	7440-50-8	---	---	D
Iron	7439-89-6	---	---	---
Lead	7439-92-1	---	---	B2
Magnesium	7439-95-4	---	---	---
Manganese	7439-96-5	---	---	D
Mercury	7439-97-6	---	---	C
Nickel	7440-02-0	---	---	---
Potassium	7440-09-7	---	---	---
Silver	7440-22-4	---	---	D
Sodium	7440-23-5	---	---	---
Vanadium	7440-62-2	---	---	D
Zinc	7440-66-6	---	---	---
Cyanide				
Total Cyanide	57-12-5	---	---	D

Notes
Source: Integrated Risk Information System (IRIS) (USEPA, 2015)
---= Not available
* USEPA Weight-of-Evidence Classification
A: Human carcinogen
B1: Probable human carcinogen; limited human data are available
B2: Probable human carcinogen; sufficient evidence in animals and inadequate or no evidence in humans
C: Possible human carcinogen
D: Not classifiable as to human carcinogenicity
---: Not evaluated

Table 12
Summary of Human Health Evaluation Risk Characterization

Remedial Investigation
109-125 Marbledale Road
Tuckahoe, New York
BCP #C360143

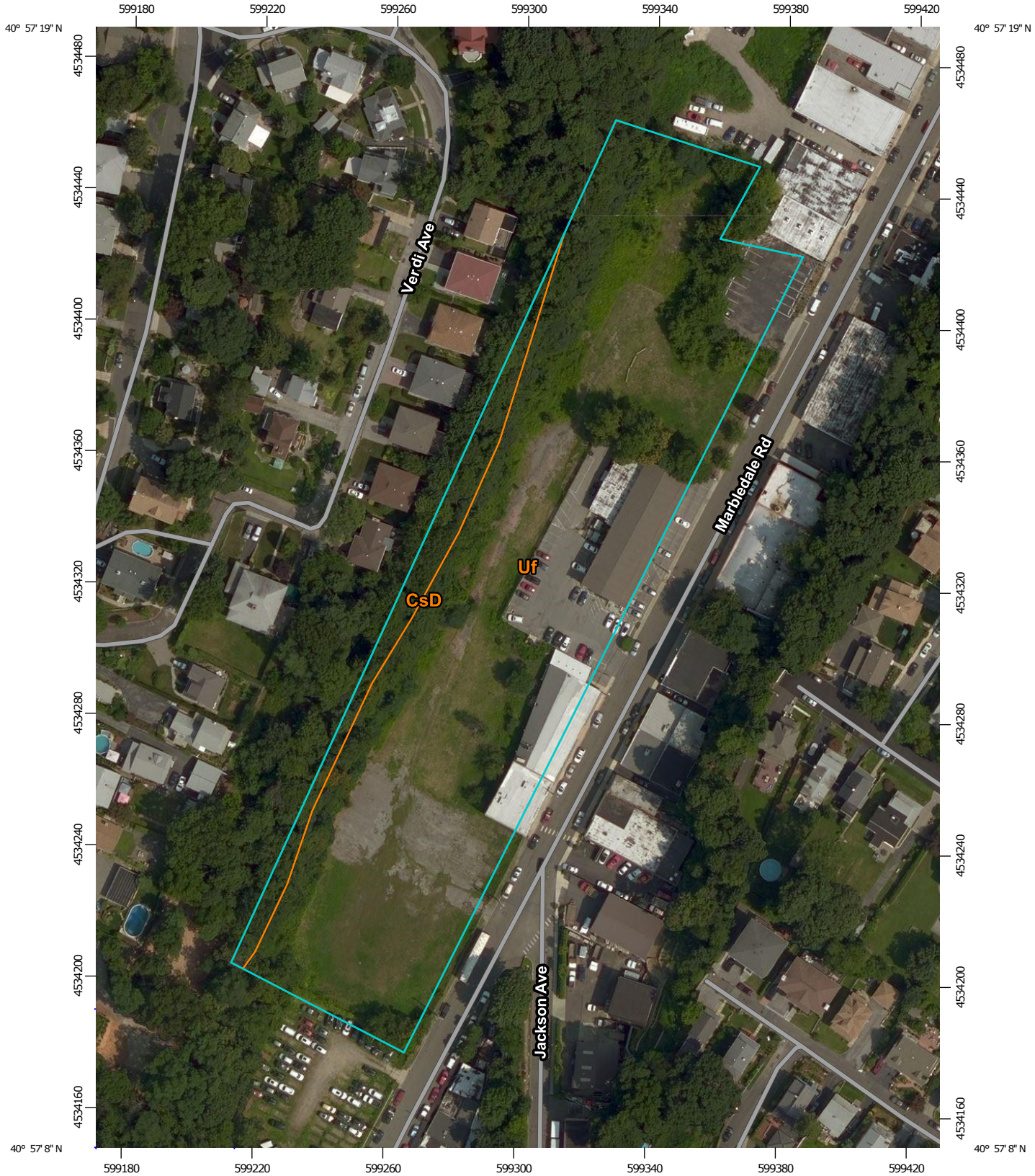
Scenario Timeframe	Receptor Population	Environmental Medium of Concern	Exposure Routes Evaluated			Likelihood of Exposure		
						Not Expected	Possible	Likely
Current	Site Worker Trespasser	Surface Soil/Fill	Ingestion	Dermal Contact	Inhalation		x	
	Off-site Resident	Surface Soil/Fill	Ingestion	Dermal Contact	Inhalation	x		
	Off-site Commercial Occupant	Surface Soil/Fill	Ingestion	Dermal Contact	Inhalation	x		
Future	Site Worker	Surface Soil/Fill	Ingestion	Dermal Contact	Inhalation			x
	Construction/Utility Worker	Subsurface Soil/Fill	Ingestion	Dermal Contact	Inhalation			x
	Off-site Resident	Surface Soil/Fill	Ingestion	Dermal Contact	Inhalation	x		
	Off-site Commercial Occupant	Subsurface Soil/Fill	Ingestion	Dermal Contact	Inhalation	x		
	On-site Occupant	Surface Soil/Fill	Ingestion	Dermal Contact	Inhalation	x		

APPENDICES

APPENDIX A

Westchester Soil Survey Map

Soil Map—Westchester County, New York
(109-125 Marbledale Road)



Map Scale: 1:1,660 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 20 40 80 120

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Westchester County, New York
Survey Area Data: Version 10, Sep 17, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 21, 2014—Aug 27, 2014

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Westchester County, New York (NY119)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
CsD	Chatfield-Charlton complex, hilly, very rocky	0.3	7.1%
Uf	Urban land	4.2	92.9%
Totals for Area of Interest		**4.5**	**100.0%**

APPENDIX B

Prior Environmental Reports (CD)

APPENDIX C

Borehole Geologic Logs and Monitor Well Construction Details

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** MW-1 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** 2-inch Schedule 40 PVC **SLOT NO.:** 20 **SETTING**: 25-40 ftbg
DATE COMPLETED: November 14, 2013	**SAND PACK SIZE & TYPE:** #2 Morie
DRILLING COMPANY: Soil Testing, Inc. Oxford, Connecticut	**SETTING:** 23-40 ftbg **CASING SIZE & TYPE:** 2-inch Schedule 40 PVC
DRILLING METHOD: Diedrich D50M, 4.25" HSA	**SETTING:** +3-25 ftbg
SAMPLING METHOD: 2-inch split spoon	**SEAL TYPE:** Bentonite Chips
OBSERVER: WAC/ANE	**SETTING:** 21-23 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Clean cutting
ELEVATION OF RP:	**STATIC WATER LEVEL**: 30.28 ftbg
STICK-UP: 3ft	**DEVELOPMENT METHOD**:
SURFACE COMPLETION: Steel casing	**DURATION**: – **YIELD**: –
NOTES: Phase II ESA	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
5	7	SS	3-19-6-4	0.4	0.2	Fill, consisting of CINDERS, FLY ASH, and MARBLE; dark black; dry; no odor
10	12	SS	6-10-8-3	1	1.1	Fill, consisting of CINDERS, FLY ASH, GLASS, and MARBLE; dark black; moist; slight odor
15	17	SS	11-8-11-10	-	-	No recovery
20	22	SS	11-15-14-9	0.5	0.3	Fill, consisting of SAND (fine) with some CONCRETE; dark black; wet; no odor
25	27	SS	14-6-5-7	0.4	0.3	Fill, consisting of CINDERS, FLY ASH, and some GLASS; black; dry; no odor
30	32	SS	6-6-8-11	1	2.0	Fill, consisting of SAND (fine to medium) with some GRAVEL (small, round), and PEET; brown and black, wet; slight odor
						Water table @ 29 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** MW-2 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** 2-inch Schedule 40 PVC **SLOT NO.:** 20 **SETTING**: 27.5-52.5 ftbg
DATE COMPLETED: November 14 and 15, 2013	**SAND PACK SIZE & TYPE:** #2 Morie
DRILLING COMPANY: Soil Testing, Inc. Oxford, Connecticut	**SETTING:** 25.5-55.0 ftbg **CASING SIZE & TYPE:** 2-inch Schedule 40 PVC
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:** +3-27.5 ftbg
SAMPLING METHOD: 2-inch Split Spoon	**SEAL TYPE:** Bentonite Chips
OBSERVER: ANE	**SETTING:** 23.5-25.5 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Clean cuttings
ELEVATION OF RP:	**STATIC WATER LEVEL**: 43.56 ftbg
STICK-UP: 3 ft	**DEVELOPMENT METHOD**:
SURFACE COMPLETION: Steel casing	**DURATION**: – **YIELD**: –
NOTES: Phase II ESA	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
5	7	SS	6-14-32-17	1	0.0	Fill, consisting of SAND (fine), CINDERS, ASH, and CONCRETE; dark black; dry; no odor
10	12	SS	2-1-3-15	1	4.0	Fill, consisting of ORGANIC MATERIAL with SAND (fine); dark black and white; moist; swampy odor
15	17	SS	13-17-50--	0.5	2.6	Fill, consisting of ORGANIC MATERIAL with SAND (fine); dark black and white; moist; swampy odor
20	22	SS	43-24-20-19	1	1.7	Fill, consisting of SAND (fine) with MARBLE and CONCRETE; dark black and white; dry; no odor
25	27	SS	7-5-5-9	1	0.5	Fill, consisting of SAND (fine to medium) with MARBLE; brown and white; dry; no odor
30	32	SS	9-50--	0.5	1.5	Fill, consisting of SAND (fine to medium) with MARBLE; brown and white; dry; no odor
						Refusal @ 31 ftbg, switch to air rotary

GEOLOGIC LOG

HydroEnvironmental SOLUTIONS, INC.

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: MW-3

PAGE 1 **OF** 1 **PAGES**

SITE LOCATION: 109-125 Marbledale Road
Tuckahoe, New York

SCREEN SIZE & TYPE: 2-inch Schedule 40 PVC

SLOT NO.: 20 **SETTING**: 20-35 ftbg

DATE COMPLETED: November 14 and 15, 2013

SAND PACK SIZE & TYPE: #2 Morie

SETTING: 18-35 ftbg

DRILLING COMPANY: Soil Testing, Inc.
Oxford, Connecticut

CASING SIZE & TYPE: 2-inch Schedule 40 PVC

DRILLING METHOD: Diedrich D50M 4.25" HSA

SETTING: +3-20 ftbg

SAMPLING METHOD: 2-inch split spoon

SEAL TYPE: Bentonite Chips

OBSERVER: ANE

SETTING: 16-18 ftbg

REFERENCE POINT (RP): Grade

BACKFILL TYPE: Clean cuttings

ELEVATION OF RP:

STATIC WATER LEVEL: 25.65 ftbg

STICK-UP: 3ft

DEVELOPMENT METHOD:

SURFACE COMPLETION: Steel casing

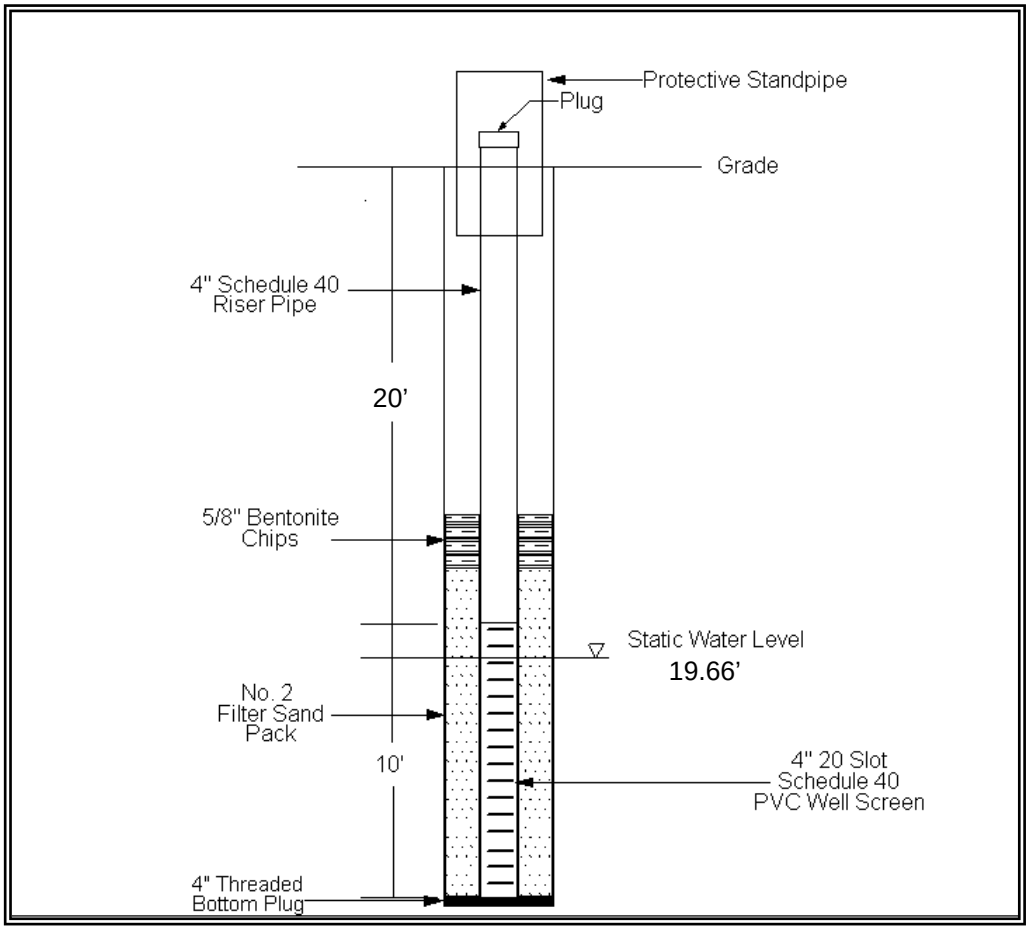
DURATION: – **YIELD**: –

NOTES: Phase II ESA

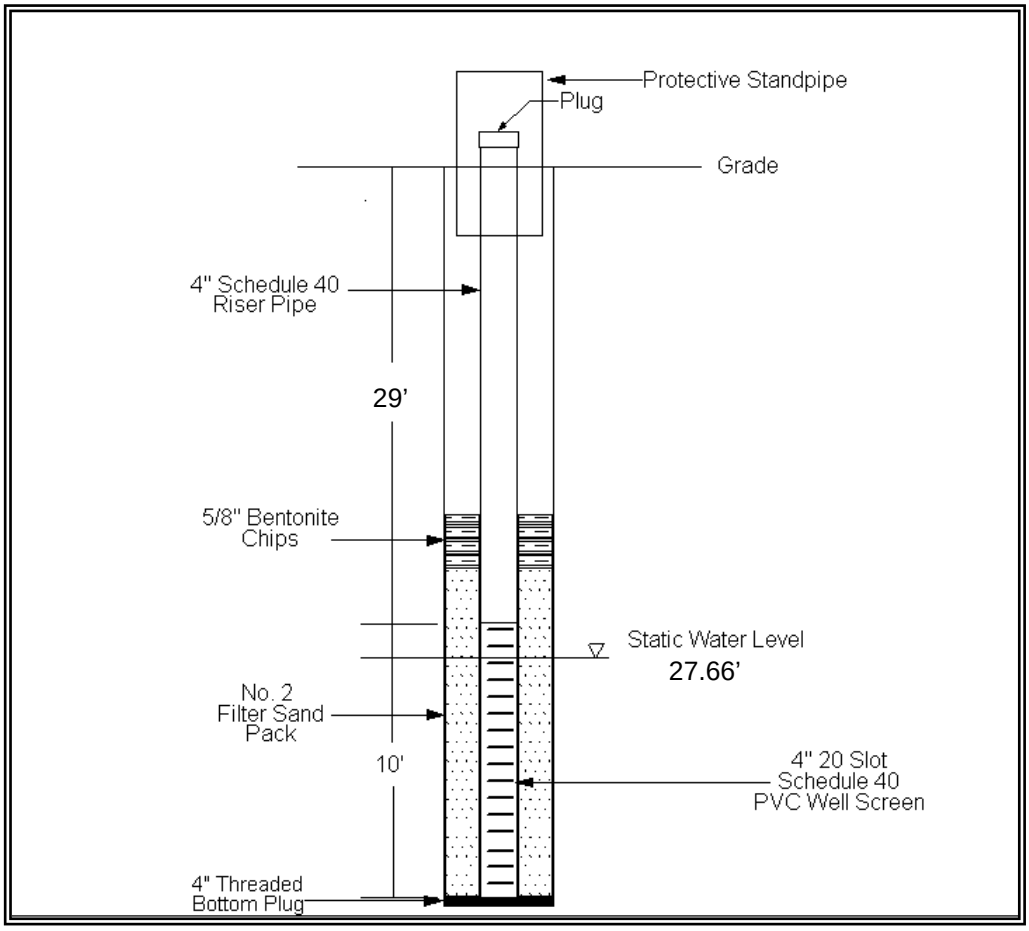
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube
REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
5	7	SS	16-18-7-6	1	0.0	Fill, consisting of SAND (fine to medium) with GRAVEL (small, round) and some MARBLE; black; dry; no odor
10	12	SS	50--	0	-	No recovery
15	17	SS	1-1-1	0.5	6.5	Fill, consisting of SAND (fine to medium) with TAR; black; moist and sticky; strong odor
20	22	SS	40-50--	1	0.0	Fill, consisting of SAND (fine) with MARBLE; black and white; dry; swampy odor
25	27	SS	21-39-27-20	1	8.2	Fill, consisting of SAND (fine to medium) with MARBLE; black and brown; dry; no odor
30	32	SS	27-8-6-9	1	3.3	Fill, consisting of SAND (fine) with CLAY, MARBLE, and some GLASS; black and white; dry; no odor
35	37	SS	19-14-10-9	1.5	1.4	Fill, consisting of SAND (fine to medium) with GRAVEL (small, round); black; wet; no odor
						Water table @ 25 ftbg

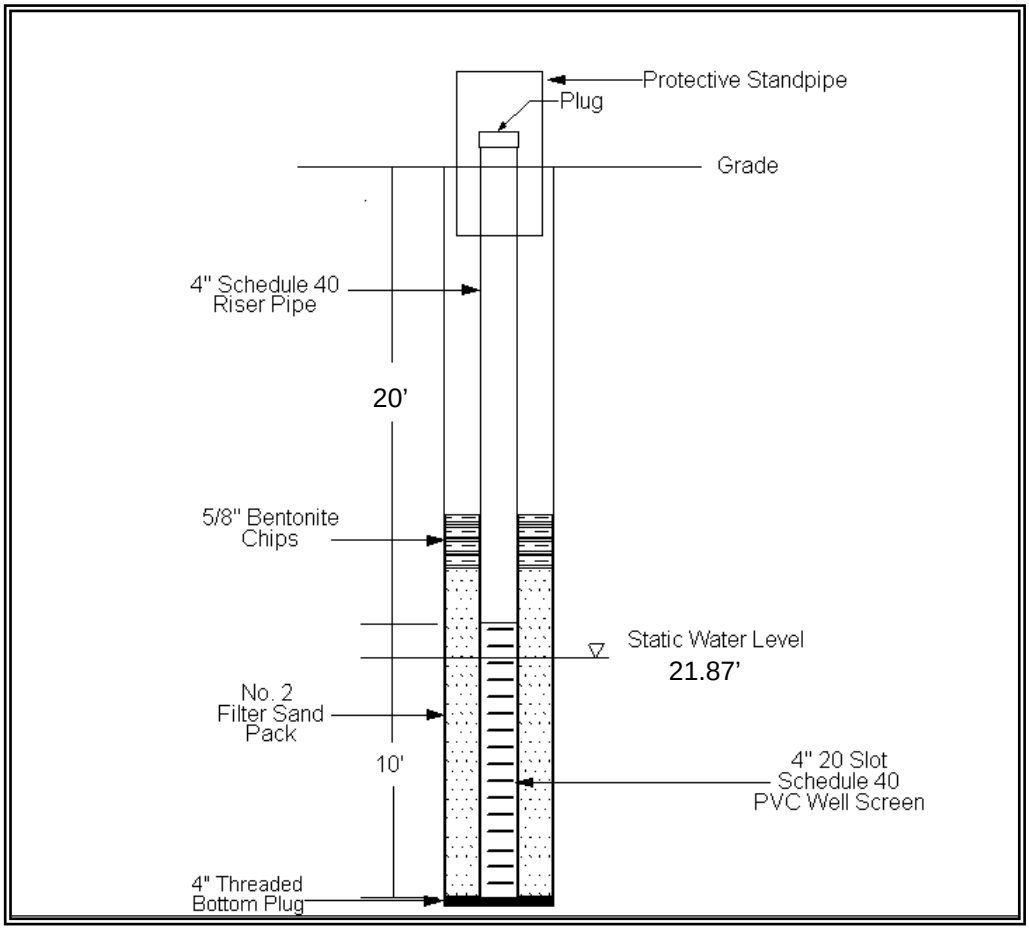
GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** MW-4 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** 10 feet 4" Schedule 40 PVC **SLOT NO.:** 020 **SETTING**: 29.5 - 19.5 ftbg
DATE COMPLETED: April 16, 2015	**SAND PACK SIZE & TYPE:** No. 2 filter sand
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:** 29.5 - 17.5 ftbg **CASING SIZE & TYPE:** 20 feet 4" Schedule 40 PVC
DRILLING METHOD: Diedrich D120 7.25" HSA	**SETTING:** 19.5 ftbg – 0.5 ft above grade
SAMPLING METHOD:	**SEAL TYPE:** 5/8" Bentonite chips
OBSERVER: REG	**SETTING:** 17.5 – 15.5 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Cuttings
ELEVATION OF RP:	**STATIC WATER LEVEL**: 19.66 ftbg
STICK-UP: 0.5 feet	**DEVELOPMENT METHOD**:
SURFACE COMPLETION: Steel casing	**DURATION**: – **YIELD**: –
NOTES:	



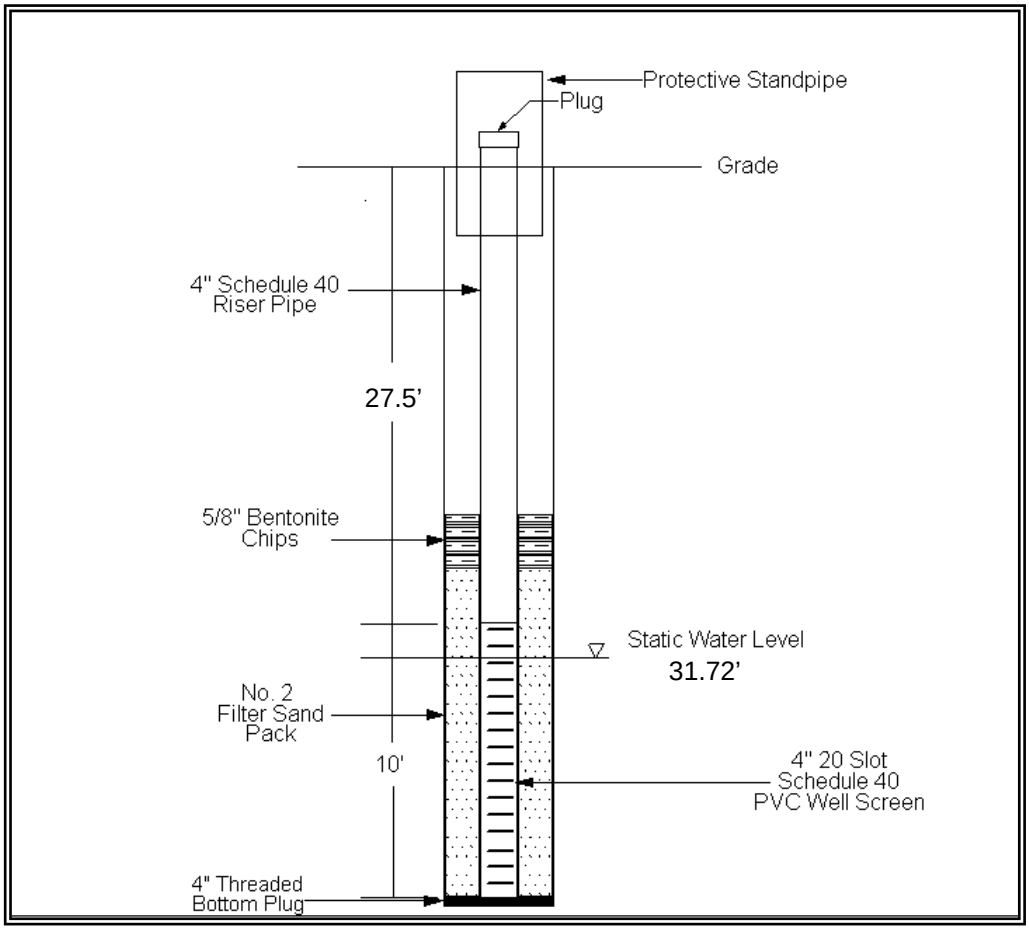
GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC
	WELL NO.: MW-5
	PAGE 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** 4" Schedule 40 PVC **SLOT NO.:** 020 **SETTING**: 36.0 - 26.0 ftbg
DATE COMPLETED: March 10, 2015	**SAND PACK SIZE & TYPE:** No. 2 filter sand **SETTING:** 36.0 – 24.0 ftbg
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** 4" Schedule 40 PVC
DRILLING METHOD: Diedrich D120 7.25" HSA	**SETTING:** 26.0 ftbg – 3.0 ft above grade
SAMPLING METHOD:	**SEAL TYPE:** 5/8" Bentonite chips
OBSERVER: REG	**SETTING:** 24.0 – 22.0 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Cuttings
ELEVATION OF RP:	**STATIC WATER LEVEL**: 27.66 ftbg
STICK-UP: 3 feet	**DEVELOPMENT METHOD**:
SURFACE COMPLETION: Steel casing	**DURATION**: – **YIELD**: –
NOTES: Completed using Air Rotary	



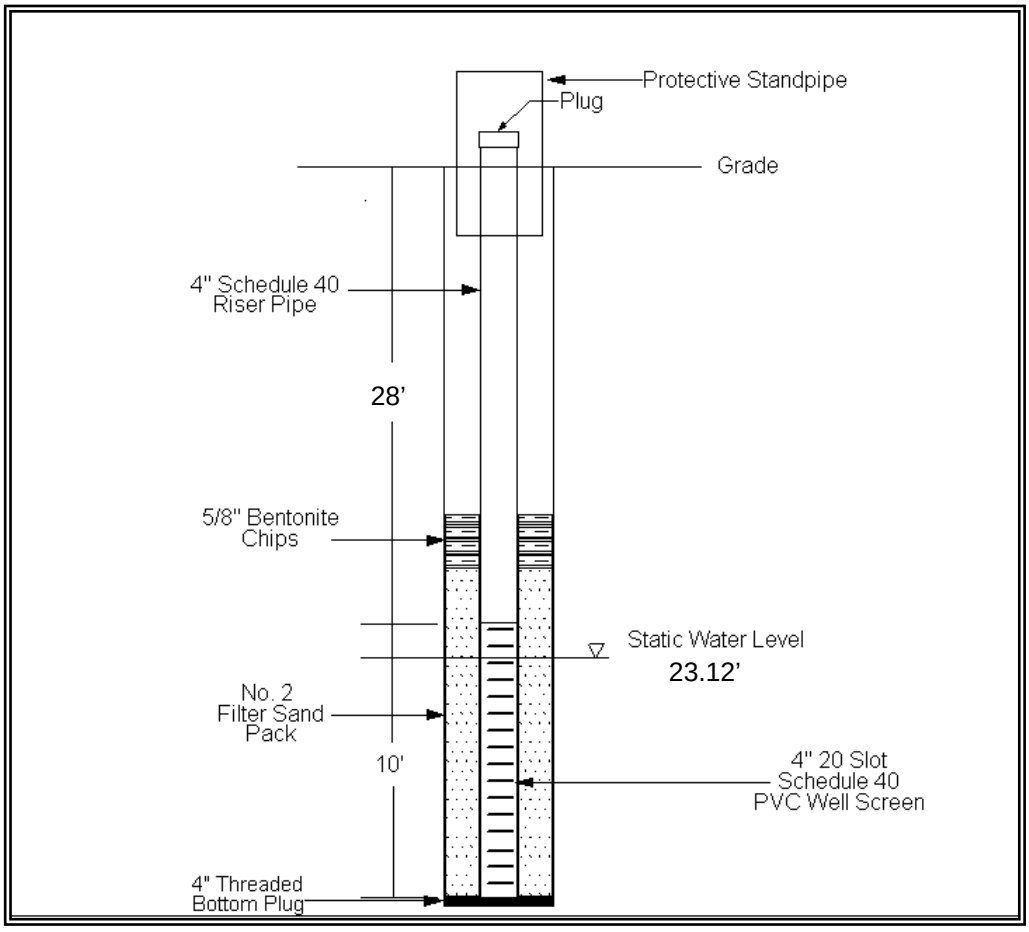
GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** MW-6 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** 10 feet 4" Schedule 40 PVC **SLOT NO.:** 020 **SETTING**: 30.0 - 20.0 ftbg
DATE COMPLETED: April 16, 2015	**SAND PACK SIZE & TYPE:** No. 2 filter sand **SETTING:** 30.0 – 18.0 ftbg
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** 20 feet 4" Schedule 40 PVC
DRILLING METHOD: Diedrich D120 7.25" HSA	**SETTING:** 20.0 – 0 ftbg
SAMPLING METHOD:	**SEAL TYPE:** 5/8" Bentonite chips
OBSERVER: REG	**SETTING:** 20.0 – 18.0 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Cuttings
ELEVATION OF RP:	**STATIC WATER LEVEL**: 21.87 ftbg
STICK-UP: 0 feet	**DEVELOPMENT METHOD**:
SURFACE COMPLETION: Steel casing	**DURATION**: – **YIELD**: –
NOTES:	



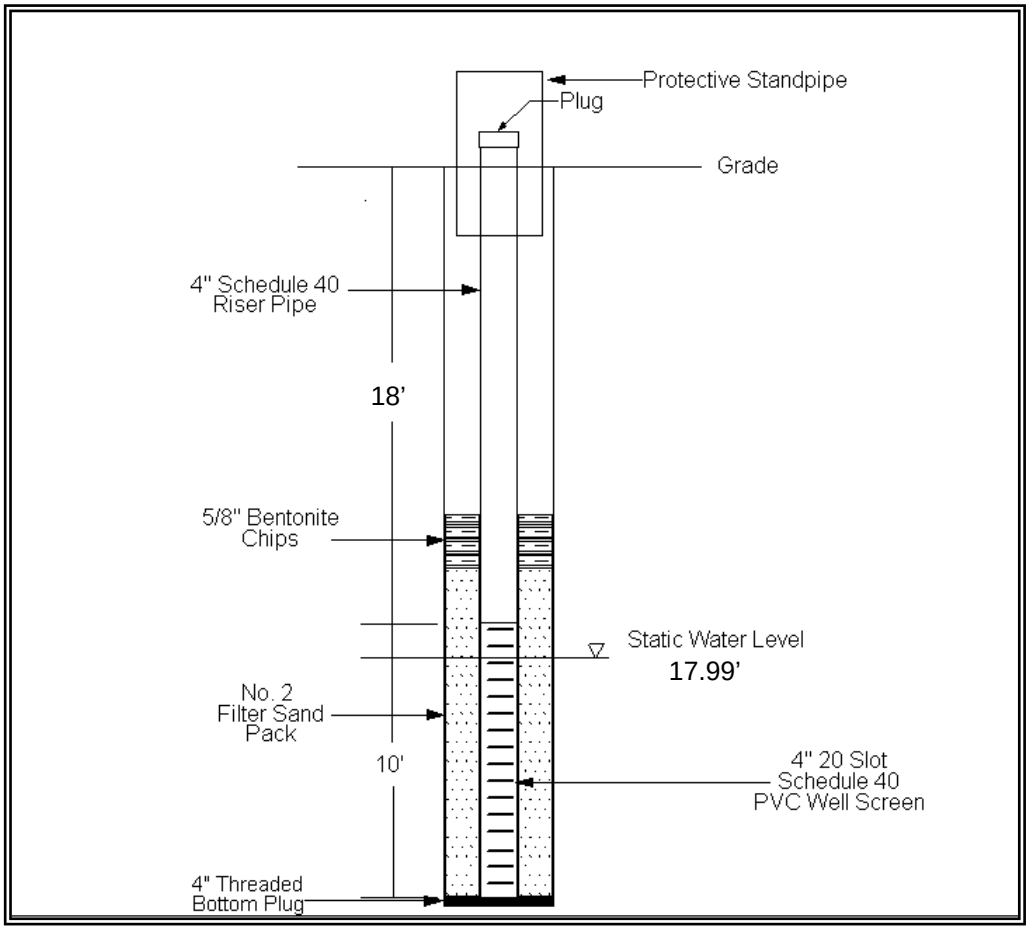
GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC
	WELL NO.: MW-7
	PAGE 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** 10 feet 4" Schedule 40 PVC **SLOT NO.:** 020 **SETTING**: 35.0 - 25.0 ftbg
DATE COMPLETED: April 17, 2015	**SAND PACK SIZE & TYPE:** No. 2 filter sand
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:** 35.0 – 23.0 ftbg
	CASING SIZE & TYPE: 27.5 feet 4" Schedule 40 PVC
DRILLING METHOD: Diedrich D120 7.25" HSA	**SETTING:** 25.0 ftbg – 2.5 ft above grade
SAMPLING METHOD:	**SEAL TYPE:** 5/8" Bentonite chips
OBSERVER: REG	**SETTING:** 23.0 – 21.0 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Cuttings
ELEVATION OF RP:	**STATIC WATER LEVEL**: 31.72 ftbg
STICK-UP: 2.5 feet	**DEVELOPMENT METHOD**:
SURFACE COMPLETION: Steel casing	**DURATION**: – **YIELD**: –
NOTES:	



GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** MW-8 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** 4-inch Schedule 40 PVC **SLOT NO.:** 020 **SETTING**: 36.0 – 26.0 ftbg
DATE COMPLETED: March 6, 2015	**SAND PACK SIZE & TYPE:** No.2 filter sand **SETTING:** 36.0 – 24.0 ftbg
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** 4-inch Schedule 40 PVC
DRILLING METHOD: Diedrich D120 7.25" HSA and Air Rotary	**SETTING:** 24.0 ftbg – 4.0 ft above grade
SAMPLING METHOD:	**SEAL TYPE:** Bentonite chips
OBSERVER: REG	**SETTING:** 24.0 – 22.0 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Clean cuttings
ELEVATION OF RP:	**STATIC WATER LEVEL**: 23.12 ftbg
STICK-UP: 4 feet	**DEVELOPMENT METHOD**:
SURFACE COMPLETION: Steel casing	**DURATION**: – **YIELD**: –
NOTES:	



GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC
	WELL NO.: MW-9
	PAGE 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** 4-inch Schedule 40 PVC **SLOT NO.:** 020 **SETTING**: 25 – 15 ftbg
DATE COMPLETED: April 17, 2015	**SAND PACK SIZE & TYPE:** No.2 filter sand
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:** 25 – 13 ftbg
	CASING SIZE & TYPE: 4-inch Schedule 40 PVC
DRILLING METHOD: Diedrich D120 7.25" HSA	**SETTING:** 15 ftbg – 3 ft above grade
SAMPLING METHOD:	**SEAL TYPE:** Bentonite chips
OBSERVER: REG	**SETTING:** 13 – 11 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Clean cuttings
ELEVATION OF RP:	**STATIC WATER LEVEL**: 17.99 ftbg
STICK-UP: 3 feet	**DEVELOPMENT METHOD**:
SURFACE COMPLETION: Steel casing	**DURATION**: – **YIELD**: –
NOTES:	



GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-1 **PAGE** 1 **OF** 2 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: April 15, 2015	**SAND PACK SIZE & TYPE:** None
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:**
DRILLING METHOD: Diedrich D120 4.25" HSA	**CASING SIZE & TYPE:** None **SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	2-4-12-15	1.0	3.7	Medium dense SAND (fine), SILT, trace weathered rock; brown; moist; no hydrocarbon odor
2	4	SS	12-15-18-20	1.0	3.9	Dense SAND (fine), SILT, trace weathered rock, glass; brown; moist; no hydrocarbon odor
4	6	SS	6-6-4-4	0.75	3.2	Loose SAND (fine), some SILT, trace weathered rock; brown; moist; no hydrocarbon odor
6	8	SS	3-3-2-3	0.25	3.5	Loose SAND (fine to medium) and SILT, glass, wood; black; wet; no hydrocarbon odor
8	10	SS	10-18-14-18	0.25	4.3	Dense SAND (fine to medium), SILT, glass; brown; wet; no hydrocarbon odor
10	12	SS	7-12-13-11	1.1	5.8	Medium dense SAND (fine to coarse), SILT; black to brown; wet; no hydrocarbon odor
12	14	SS	9-5-3-5	0.9	3.6	Loose SAND (fine to medium), some GRAVEL (coarse, round), trace metal; brown; dry; no hydrocarbon odor
14	16	SS	24-18-10-6	0.9	2.7	Medium dense SSAND (fine to medium), trace GRAVEL (fine, rounded), glass; black; dry; no hydrocarbon odor
16	18	SS	5-2-6-3	0	---	No recovery
18	20	SS	5-8-8-9	0.8	3.8	Medium dense SAND (fine to medium), trace SILT, trace GRAVEL (fine, rounded), metal; black; dry; no hydrocarbon odor
20	22	SS	6-2-2-1	0.4	2.3	Very loose SAND (fine to coarse), some GRAVEL (fine to coarse, rounded), trace SILT, glass; black; wet; no hydrocarbon odor
22	24	SS	1/12-1/12	0.7	2.0	Very loose SAND (fine to coarse), trace SILT, wood, glass; black; wet; no hydrocarbon odor
24	26	SS	1/12-3-7	0.3	1.1	Very loose SAND (fine to coarse), trace SILT, glass, brick; black; wet; no hydrocarbon odor

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: TB-1 **PAGE:** 2 OF 2 PAGES

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
26	28	SS	5-2-1-5	1.0	3.5	Very loose SAND (fine to medium), trace SILT, brick, glass; black; wet; no hydrocarbon odor
28	30	SS	14-13-11-20	1.0	3.7	Medium dense SAND (fine to medium), trace GRAVEL (fine to coarse, rounded), glass, wood; black; wet; no hydrocarbon odor
30	32	SS	7-4-3-5	0.8	3.6	Loose SAND (fine to medium), trace SILT, trace GRAVEL (fine to coarse, rounded), wood, plastic; black; wet; no hydrocarbon odor
32	34	SS	6-27-17-14	2.0	1.7	Dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to coarse, rounded), wood; black; wet; no hydrocarbon odor
34	36	SS	13-11-10-7	1.0	7.1	Medium dense SAND (fine to medium), SILT, trace GRAVEL (fine to medium); black; wet; no hydrocarbon odor
36	38	SS	12-20-22-10	1.0	4.1	Dense SAND (fine to medium), SILT, trace GRAVEL (fine to medium, rounded); black; wet; no hydrocarbon odor
38	40	SS	5-3-4-5	0.2	1.8	Loose SAND (fine to medium), SILT, glass, plastic; black; wet; no hydrocarbon odor
40	42	SS	8-7-6-5	0.2	5.2	Medium dense SAND (fine to medium), SILT, glass, plastic; black; wet; no hydrocarbon odor
42	44	SS	8-4-4-4	0.2	4.7	Loose SAND (fine to medium), SILT, glass; black; wet; no hydrocarbon odor
44	46	SS	9-2-2-6	1.0	1.2	Very loose SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium, rounded), glass, brick; black; wet; no hydrocarbon odor
46	48	SS	12-20-13-13	1.4	1.7	Dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium, rounded), weathered rock, glass, brick; black to white; wet; no hydrocarbon odor
48	50	SS	7-6-7-14	2.0	2.4	Dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium, rounded), weathered rock, glass, brick; black to white; wet; no hydrocarbon odor
50	52	SS	100/1	1.0	2.7	Very dense weathered rock; white; wet; no hydrocarbon odor
						Refusal at 51.0 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-2 **PAGE** 1 **OF** 2 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: April 15, 2015	**SAND PACK SIZE & TYPE:** None **SETTING:**
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D120 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	4-26-39-40	2	5.1	Very dense topsoil, SAND (fine to medium), SILT, weathered rock; brown; dry; no hydrocarbon odor
2	4	SS	35-26-25-17	1.0	35.0	Very dense SAND (fine to medium), SILT, weathered rock, ash, glass; brown to black; dry; moderate fuel oil odor
4	6	SS	8-7-11-42	0.25	3.5	Medium dense SAND (fine to medium), SILT, weathered rock, ash, glass; brown to black; dry; no hydrocarbon odor
6	8	SS	64-29-7-8	0.25	1.8	Dense SAND (fine to medium), SILT; brown; dry; no hydrocarbon odor
8	10	SS	11-8-16-44	0.5	3.1	Medium dense SAND (medium to coarse), trace SILT, glass, brick, wood; black; moist; no hydrocarbon odor
10	12	SS	6-8-5-19	0	---	No recovery
12	14	SS	48-37-14-10	0.25	2.3	Very dense SAND (fine to medium), trace SILT; black; moist; no hydrocarbon odor
14	16	SS	13-11-5-3	1.0	3.2	Medium dense SAND (medium to coarse), some SILT, wood, weathered rock; black; moist; no hydrocarbon odor
16	18	SS	2-4-17-11	0.5	2.9	Medium dense SAND (medium to coarse), some SILT, wood, glass, weathered rock; black; moist; no hydrocarbon odor
18	20	SS	35-50/1	1.0	6.7	Very dense SAND (medium to coarse), some SILT, wood, glass grading to weathered rock; black to white; moist; no hydrocarbon odor
						Refusal at 19.0 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-3 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: March 3, 2015	**SAND PACK SIZE & TYPE:** None
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:** **CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	22-18-13-12	1.0	1.7	Dense topsoil, SAND (medium to coarse), GRAVEL (fine, subangular); brown; dry; no hydrocarbon odor
2	4	SS	8-6-3-4	0.5	16.6	Loose SAND (medium to coarse), SILT; brown; dry; slight hydrocarbon and organic odor
4	6	SS	4-4-3-5	0.75	2.9	Loose SAND (fine), SILT, weathered rock; brown to tank; moist; no hydrocarbon odor
6	8	SS	12-24-50/4	0.5	1.7	Very dense SAND (fine to medium), SILT, weathered rock; brown; moist; no hydrocarbon odor
						Refusal at 8 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-4 **PAGE** 1 **OF** 2 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: March 3, 2015	**SAND PACK SIZE & TYPE:** None **SETTING:**
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** None **SETTING:**
DRILLING METHOD: Diedrich D50M 4.25" HSA	
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None **SETTING:**
OBSERVER: DKS and REG	
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	20-18-34-30	1.5	0.4	Very dense topsoil, SAND (fine), some GRAVEL (fine to medium, angular), trace wood' dark brown; moist; no hydrocarbon odor
2	4	SS	50/5	0.5	1.1	Very dense SAND (fine), trace GRAVEL (fine, angular); dark brown; moist; no hydrocarbon odor
4	6	SS	7-10-10-16	1.75	5.2	Medium dense SAND (fine), some GRAVEL (fine, angular), paper and historic fill; brown; moist; slight fuel oil odor
6	8	SS	7-8-9-7	0.5	4.3	Medium dense SAND (fine), SILT, trace GRAVEL (fine, angular), glass; brown; moist; slight fuel oil odor
8	10	SS	7-8-8-6	1.0	8.6	Medium dense SAND (fine), SILT, trace GRAVEL (fine, angular), glass; brown; moist; slight fuel oil odor
10	12	SS	2-6-4-6	1.0	4.7	Loose SAND (fine), SILT, CLAY, glass; brown; moist; slight fuel oil odor
12	14	SS	8-50/0	0.75	3.0	Very dense SAND (fine), SILT, wood; brown; moist; no hydrocarbon odor
14	16	SS	21-4-12-45	0.5	2.7	Medium dense SAND (fine), SILT, wood; brown; moist; no hydrocarbon odor
16	18	SS	8-15-18-12	0.5	2.0	Dense SAND (fine to medium), SILT, some GRAVEL (fine, subangular), brown; moist; no hydrocarbon odor
18	20	SS	8-8-8-8	0.35	1.4	Dense charred wood; black and tan; dry; slight organic odor
20	22	SS	7-21-9-11	0.5	19.1	Medium dense SAND (fine), SILT, some GRAVEL (fine, angular), wood; brown; moist; slight odor
22	24	SS	6-14-11-6	0.5	14.1	Medium dense SAND (fine), SILT, some GRAVEL (fine, angular); brown; moist; slight hydrocarbon odor
24	26	SS	8-7-10-12	1.0	22.7	Medium denseSAND(fine), SILT, burnt debris/historic fill; brown; moist; slight hydrocarbon odor

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: TB-4 **PAGE:** 2 OF 2 PAGES

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
26	28	SS	12-18-34-45	1.0	16.2	SAND (fine), SILT, wood, ash; brown to black; moist; slight hydrocarbon odor
28	30	SS	12-23-34-18	1.5	6.6	SAND (fine), charred debris, wood, ash; brown to black; moist; slight hydrocarbon odor
30	32	SS	15-21-18-14	1.0	3.6	SAND (fine), SILT, trace GRAVEL (fine, angular); brown to black; wet; no hydrocarbon odor
32	34	SS	50/4	0.25	34.1	SILT; dark brown to black; wet; strong fuel oil odor
						Refusal at 34 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-5 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: March 11, 2015	**SAND PACK SIZE & TYPE:** None **SETTING:**
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	17-10-7-9	0.75	1.9	Medium dense SAND (medium to coarse), SILT, brown; moist; no hydrocarbon odor
2	4	SS	5-4-5-7	0.75	1.3	Loose SAND (medium to coarse), SILT, trace GRAVEL (fine, subangular); brown; moist; no hydrocarbon odor
4	6	SS	6-5-5-7	0.25	0.8	Loose SAND (medium to coarse), SILT, trace GRAVEL (fine, subangular); brown; moist; no hydrocarbon odor
6	8	SS	15-10-12-9	1.0	0.9	Medium dense SAND (medium to coarse), SILT, weathered rock, concrete; brown to white; moist; no hydrocarbon odor
8	10	SS	-	-	-	Spoon refusal, augered through interval
10	12	SS	5-7-8-9	0.25	3.0	Medium dense SAND (medium to coarse), SILT, weathered rock; brown; wet; no hydrocarbon odor
12	14	SS	4-5-7-17	1.0	3.2	Medium dense weathered rock; white to gray; moist; no hydrocarbon odor
						Refusal at 14.3 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-6 **PAGE** 1 **OF** 3 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: April 16 and 17, 2015	**SAND PACK SIZE & TYPE:** None
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:**
	CASING SIZE & TYPE: None
DRILLING METHOD: Diedrich D120 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	6-12-20-31	1.7	5.2	Dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium, rounded); brown; dry; no hydrocarbon odor
2	4	SS	55-48-47-59	2.0	3.5	Very dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium, rounded); brown; dry; no hydrocarbon odor
4	6	SS	30-36-27-23	1.5	5.8	Very dense SAND (fine), some SILT, weathered rock, glass, brick, wood; brown; dry; no hydrocarbon odor
6	8	SS	24-18-14-10	1.1	6.1	Dense SAND (fine), some SILT, trace GRAVEL (fine, rounded), ash, glass; brown to black; dry; no hydrocarbon odor
8	10	SS	6-3-2-2	0.3	3.0	Loose SAND (fine), some SILT, glass, metal; brown; dry; no hydrocarbon odor
10	12	SS	1-3-2-5	0.7	4.3	Loose SAND (fine to medium), GRAVEL (fine, subangular), glass, wood; dark brown; dry; no hydrocarbon odor
12	14	SS	4-4-5-3	0.25	3.5	Loose SAND (fine to medium), GRAVEL (fine, subangular), glass, wood; dark brown; dry; no hydrocarbon odor
14	16	SS	2-5-5-5	0.75	2.3	Loose SAND (fine to medium), GRAVEL (fine, subangular), glass, wood; dark brown; dry; no hydrocarbon odor
16	18	SS	5-6-9-20	0.75	5.3	Medium dense SAND (fine to medium), trace SILT, wood, glass; brown; dry; slight fuel oil odor
18	20	SS	11-5-4-13	0	---	No recovery
20	22	SS	9-15-15-8	0.3	2.9	Dense SAND (fine to medium), trace SILT, trace GRAVEL (fine, rounded); brown; moist; no hydrocarbon odor
22	24	SS	10-13-12-11	0.2	4.5	Medium dense SAND (fine to medium), trace SILT, glass, copper wire; brown; moist; no hydrocarbon odor
24	26	SS	8-11-4-3	1.0	3.6	Medium dense SAND (fine to medium), SILT, trace GRAVEL (fine, rounded); brown; moist; no hydrocarbon odor

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: TB-6 **PAGE:** 2 OF 3 PAGES

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
26	28	SS	9-11-11-11	1.4	1.0	Medium dense SAND (fine to medium), metal, wood, brick, grading to SAND (fine), trace SILT; moist to wet; brown to gray; no hydrocarbon odor
28	30	SS	9-8-9-16	1.2	2.0	Medium dense SAND (fine to coarse), trace SILT, trace GRAVEL (fine, rounded), glass, brick; brown; wet; no hydrocarbon odor
30	32	SS	27-25-8-10	0.5	5.2	Dense SAND (fine to coarse), trace SILT, trace GRAVEL (fine, rounded), metal, glass, brick; brown; wet; no hydrocarbon odor
32	34	SS	8-5-6-6	0.3	2.5	Medium dense SAND (fine to coarse), trace SILT, trace GRAVEL (fine, rounded), glass, brick; brown; wet; no hydrocarbon odor
34	36	SS	8-6-6-21	0.5	4.0	Medium dense SAND (fine to medium), trace SILT, glass; brown; wet; no hydrocarbon odor
36	38	SS	17-10-13-13	0.5	5.4	Medium dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium, rounded), metal, glass; brown; wet; no hydrocarbon odor
38	40	SS	17-14-14-13	0.6	3.7	Medium dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium, rounded), metal, glass; brown; wet; no hydrocarbon odor
40	42	SS	12-12-25-14	0.25	5.9	Dense SAND (fine to medium), trace GRAVEL (fine to medium, rounded), wood; brown; wet; no hydrocarbon odor
42	44	SS	15-10-9-4	1.0	8.4	Medium dense SAND (fine to medium), trace GRAVEL (fine to medium, rounded); brown; wet; slight hydrocarbon odor
44	46	SS	6-5-4-3	0.1	5.8	Loose wood; brown; wet; slight hydrocarbon odor
46	48	SS	9-8-12-15	1.5	3.9	Medium dense SAND (fine to medium), GRAVEL (fine to medium, subrounded), trace SILT, tile, wood, glass; brown; wet; no hydrocarbon odor
48	50	SS	16-8-5-5	0.4	9.7	Medium dense SAND (fine to medium), trace SILT, trace GRAVEL (fine, rounded), wood; brown; wet; slight hydrocarbon odor
50	52	SS	2-2-3-5	0.6	4.0	Loose SAND (fine to medium), trace SILT, trace GRAVEL (fine, rounded), wood, metal; brown; wet; slight hydrocarbon odor
52	54	SS	3-10-10-9	1.2	88.8	Medium dense SAND (fine to medium), trace SILT, trace GRAVEL (fine, rounded), wood, metal; brown; wet; slight hydrocarbon odor
54	56	SS	10-11-8-16	0.6	1.9	Medium dense SAND (fine to medium), trace SILT, trace GRAVEL (fine, rounded), wood, metal; brown; wet; slight hydrocarbon odor
56	58	SS	16-24-14-22	0.5	286.7	Dense SAND (fine to medium), trace GRAVEL (fine to medium, rounded), glass, metal, wood; black; wet; strong hydrocarbon odor
58	60	SS	28-15-16-21	0.5	229.4	Dense SAND (fine to medium), trace GRAVEL (fine to medium, rounded), glass, metal, wood; black; wet; strong hydrocarbon odor
60	62	SS	1/6-5-6-13	0.8	15.6	Medium dense SAND (fine to medium), SILT, CLAY, glass, wood, wire; black; wet; strong hydrocarbon odor
62	64	SS	19-6-12-9	0.7	47.0	Medium dense SAND (fine to medium), SILT, CLAY, glass, wood, wire; black; wet; strong hydrocarbon odor
64	66	SS	14-11-7-15	0.4	15.8	Medium dense SAND (fine), SILT, brick, glass; black; wet; moderate fuel oil odor
66	68	SS	16-11-10-15	0.5	6.8	Medium dense SAND (fine), SILT, brick, glass, metal; black; wet; moderate fuel oil odor
68	70	SS	12-13-15-7	0.4	10.0	Medium dense SAND (fine), SILT, trace CLAY, brick, glass; black; wet; moderate fuel oil odor
70	72	SS	7-7-43-14	0.9	11.0	Dense SAND (fine), SILT, trace CLAY, brick, glass; black; wet; moderate fuel oil odor
72	74	SS	24-16-15-14	0.7	7.3	Medium dense SAND (fine), SILT, trace CLAY, brick, glass; black; wet; moderate fuel oil odor
74	76	SS	11-16-23-42	1.8	18.5	Dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium), glass, wood, metal; black; wet; slight hydrocarbon odor

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: TB-6 **PAGE:** 3 OF 3 PAGES

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
76	78	SS	10-14-16-15	2.0	8.6	Dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium), glass, wood, metal; black; wet; slight hydrocarbon odor
78	80	SS	26-27-27-22	2.0	3.2	Very dense SAND (fine to medium), trace SILT, trace GRAVEL (fine to medium), glass, wood, metal grading to weathered rock; black to white; wet; slight hydrocarbon odor
80	82	SS	20-21-28-34	1.0	4.8	Dense SAND (fine to medium), SILT grading to weathered rock; black to white; wet; no hydrocarbon odor
82	84	SS	28-34-37-33	1.0	0.5	Very dense weathered rock; white; wet; no hydrocarbon odor
84	85	SS	18-35-100/3	1.4	0.6	Very dense weathered rock; white; wet; no hydrocarbon odor
						Refusal at 85.0 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-7 **PAGE** 1 **OF** 2 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: March 11, 2015	**SAND PACK SIZE & TYPE:** None
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:**
DRILLING METHOD: Diedrich D50M 4.25" HSA	**CASING SIZE & TYPE:** None **SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	4-7-50/0	0.5	1.3	Very dense SAND (fine to medium), SILT; brown to black; moist; no hydrocarbon odor
2	4	-	-	-	-	Spoon refusal, augered through hinterval
4	6	SS	21-18-7-8	1.0	1.4	Medium dense SAND (medium to coarse), some SILT, weathered rock; brown and white; moist; no hydrocarbon odor
6	8	SS	1-2-1-2	0.75	10.0	Very loose glass, leaves; brown; moist; strong hydrocarbon odor
8	10	SS	10-7-50/0	0.5	2.9	Very dense SAND (fine to medium), SILT; brown; moist; no hydrocarbon odor-
10	12	SS	10-10-50/0	1.0	3.7	Very dense SAND (fine to medium), SILT, glass; brown; wet; no hydrocarbon odor
12	14	-	-	-	-	Spoon refusal, augered through interval
14	15	SS	100/0	0.1	1.5	Very dense tire; black wet; strong hydrocarbon odor
15	17	SS	12-15-18-20	1.0	1.9	Dense SAND (medium to coarse), SILT, plastic sheeting; brown; wet; strong organic odor
17	19	SS	25-50/0	0.25	2.6	Very dense SAND (fine to medium), weathered rock, leaves, plastic, wood; brown; wet; no hydrocarbon odor
19	20	-	-	-	-	Spoon refusal, augered through
20	22	SS	1-3-3-4	0.25	3.4	Loose SAND (fine to medium), SILT, wood, weathered rock; brown; wet; no hydrocarbon odor
22	24	SS	4-4-9-50	0.5	4.6	Medium dense SAND (fine to medium). SILT, weathered rock, plastic, paper; brown; wet; strong organic odor

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: TB-7 **PAGE:** 2 OF 2 PAGES

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
24	25	-	-	-	-	Spoon refusal, augered through
25	27	SS	25-30-22-21	0.25	2.1	Very dense SILT, weathered rock; black; wet; strong unidentifiable odor
27	29	SS	18-17-25-31	0.5	4.2	Very dense SAND (medium), SILT, trace GRAVEL (fine, subrounded), weathered rock, glass, wood; dark brown; wet; strong solvent odor
						Refusal at 29 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-8 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: February 27, 2015	**SAND PACK SIZE & TYPE:** None **SETTING:**
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	12-14-19-20	1.0	3.2	Dense SAND (fine to coarse), weathered rock, brick; brown; dry; no hydrocarbon odor
2	4	SS	15-17-14-21	1.0	3.8	Dense SAND (medium to coarse), weathered rock; brown; dry; no hydrocarbon odor
4	6	SS	15-19-21-25	1.0	2.9	Dense SAND (medium to coarse), weathered rock; brown; dry; no hydrocarbon odor
6	8	SS	15-14-13-14	1.0	2.5	Medium dense SAND (fine to coarse), SILT; brown; dry; no hydrocarbon odor
8	10	SS	14-12-15-13	1.0	1.8	Medium dense SAND (fine to medium), SILT, weathered rock; brown; moist; no hydrocarbon odor
10	12	SS	8-10-12-9	1.0	1.8	Medium dense SAND (fine), SILT, weathered rock; brown; moist; no hydrocarbon odor
12	14	SS	12-9-10-10	1.25	0.9	Medium dense SAND (fine), SILT, weathered rock; brown; moist; no hydrocarbon odor
14	16	SS	9-12-13-10	1.5	1.6	Dense SAND (fine) and SILT, grading to weathered marble; brown to white, moist; no hydrocarbon odor
16	18	SS	7-8-9-12	1.0	1.3	Medium dense SAND (fine) and SILT, weathered rock; brown to white; dry; no hydrocarbon odor
18	20	SS	15-21-35-25	1.0	0.8	Very dense weathered marble; white; dry; no hydrocarbon odor
20	22	SS	25-35-50/4	1.0	2.0	Very dense weathered marble; white; dry; no hydrocarbon odor
						Refusal at 23 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-9 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: March 2, 2015	**SAND PACK SIZE & TYPE:** None **SETTING:**
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	15-18-24-22	0.5	0	Dense SAND (fine to medium), trace GRAVEL (fine, angular); brown; moist; no hydrocarbon odor
2	4	SS	34-25-27-28	0.5	0.1	Very dense SAND (fine to medium), SILT, trace GRAVEL (fine, angular); brown; moist; no hydrocarbon odor
5	7	SS	24-50/2	0.5	2.0	Very dense SAND *fine to medium), SILT, trace GRAVEL (fine, angular), weathered rock; brown to gray; moist; no hydrocarbon odor
7	9	SS	8-6-4-4	0.5	2.4	Loose SAND (fine to medium), trace GRAVEL (fine, angular), weathered rock; brown; wet grading to dry; no hydrocarbon odor
9	11	SS	24-8-50/4	0.5	1.8	Very dense SAND (fine to medium), GRAVEL (fine, angular), charred wood, ash, brown to black, moist; no hydrocarbon odor
11	13	SS	10-12-18-12	0.75	0.2	Dense SAND (fine to medium), SILT, GRAVEL (fine, angular); brown; moist; no hydrocarbon odor
13	15	SS	24-21-50/0	0.25	1.3	Very dense SAND (fine to medium), SILT, GRAVEL (fine, angular); brown; moist; no hydrocarbon odor
15	17	-	-	-	-	-
						Refusal at 16 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-10 **PAGE** 1 **OF** 2 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: March 2 and 3, 2015	**SAND PACK SIZE & TYPE:** None **SETTING:**
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: DKS and REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	4-10-50/2	0.5	1.1	Very dense topsoil, SAND (fine to medium), weathered rock; brown; dry; no hydrocarbon odor
2	4	SS	50/0	0	-	-
4	6	SS	12-15-6-8	1.0	8.9	Medium dense SAND (fine to medium), SILT, weathered marble; brown and gray; moist; no hydrocarbon odor
6	8	SS	24-50/3	0.25	4.9	Very dense SAND (fine), SILT, weathered marble; brown; moist; no hydrocarbon odor
8	10	SS	7-6-14-12	0.5	1.8	Medium dense SAND (fine to coarse), SILT, weathered rock; brown; dry; no hydrocarbon odor
10	12	SS	5-5-10-12	0.5	4.6	Medium dense SAND (fine to coarse), SILT, weathered rock; brown; dry; no hydrocarbon odor
12	14	SS	9-10-12-29	0.75	6.5	Medium dense SAND (fine to coarse), SILT, weathered rock; brown; dry; no hydrocarbon odor
14	16	SS	40-22-12-14	0.5	1.9	Dense concrete; white; dry; no hydrocarbon odor
16	18	SS	70-26-40-22	0.25	2.4	Very dense concrete; white; dry; no hydrocarbon odor
18	20	SS	50/6	0/25	1.0	Very dense concrete; white; dry; no hydrocarbon odor
20	22	SS	24-49-30-20	2.0	-	Very dense Wood; tan; dry; strong organic odor (not hydrocarbon)
22	24	SS	63/6	0.5	250.1	Very dense fill, garbage, foam; black; moist; strong hydrocarbon odor
24	26	SS	14-15-17-22	0.25	0	Very dense wood; tan; dry; no hydrocarbon odor

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: TB-10 **PAGE:** 2 OF 2 PAGES

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
26	28	SS	4-4-5-3	0	-	-
28	30	SS	4-5-6-5	0.25	11.7	Medium dense ash, charred wood; black; moist; burnt odor
30	32	SS	5-4-2-1	0.25	0.9	Loose charred wood; black; moist; burnt odor
32	34	SS	1-12-15-45	1.0	235.7	Medium dense SAND (fine), weathered rock, historic fill, glass; black; wet; strong hydrocarbon odor
						Refusal at 34.5 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-11 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: February 26 and 27, 2015	**SAND PACK SIZE & TYPE:** None
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:** **CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	5-9-12-15	1.5	2.4	Medium dense topsoil, SAND (fine to medium), trace GRAVEL (fine, angular); brown; dry; no odor
2	4	SS	24-50/4	1.0	0.7	Very dense SAND (fine to medium), weathered rock, ash; black to gray; dry; no hydrocarbon odor
4	6	SS	15-24-34-25	1.0	2.5	Very dense SAND (medium to coarse), weathered rock, ash; gray; dry; no hydrocarbon odor
6	8	SS	20-18-15-14	1.25	1.3	Dense SAND (medium to coarse), weathered rock, ash; gray; dry; no hydrocarbon odor
8	10	SS	9-8-8-7	0.5	0.9	Medium dense SAND (fine to medium), SILT, weathered rock; brown to gray; moist; no hydrocarbon odor
10	12	SS	10-7-7-50/3	0.75	1.5	Medium dense SAND (fine to medium), SILT, weathered rock; brown to gray; moist; no hydrocarbon odor
12	14	SS	57-54-24-17	1.0	0.7	Very dense SAND (fine to medium), SILT, weathered rock; brown to gray; moist; no hydrocarbon odor
14	16	SS	19-14-11-25	1.0	0.6	Medium dense SAND (fine to coarse), weathered rock, ash; brown; dry; no hydrocarbon odor
16	18	SS	24-50/3	0.75	1.8	Very dense SAND (fine to coarse), trace SILT, weathered rock, brick; brown; wet; no hydrocarbon odor
19	21	SS	31-9-11-21	0	-	-
21	23	SS	57/4	0.75	3.0	Very dense SAND (fine to coarse), SILT, weathered rock; brown; wet; no hydrocarbon odor
						Refusal at 23 ftbg

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-12 **PAGE** 1 **OF** 2 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: February 26, 2015	**SAND PACK SIZE & TYPE:** None
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:** **CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	17-15-12-12	1.0	5.9	Medium dense topsoil, SAND (fine to coarse), GRAVEL (fine, subangular); brown; dry; no hydrocarbon odor
2	4	SS	10-10-10-10	1.9	62.4	Medium dense SAND (fine to coarse), GRAVEL (fine, subangular); brown; dry; strong hydrocarbon odor
4	6	SS	12-14-14-13	1.0	73.1	Medium dense SAND (fine to coarse), trace GRAVEL (fine, subangular), weathered rock, ash; gray; dry; strong hydrocarbon odor
6	8	SS	20-14-10-5	0	-	No Recovery-
8	10	SS	27-5-5-25	0.75	1.3	Loose SAND (fine to coarse), weathered rock, ash; gray; dry; no hydrocarbon odor
10	12	SS	15-12-12-14	1.0	0.7	Medium dense SAND (fine to coarse), weathered rock, ash; gray; dry; no hydrocarbon odor
12	14	SS	15-15-34-25	1.25	21.0	Dense SAND (fine to coarse), weathered rock, ash; gray; dry; slight hydrocarbon odor
14	16	SS	17-16-18-20	1.0	5.3	Dense SAND (fine to coarse), weathered rock, ash; black; dry; slight charred odor
16	18	SS	50/3	0.25	1.3	Very dense SAND (medium to coarse), weathered rock; brown; dry; no hydrocarbon odor
18	20	SS	21-24-18-27	1.0	1.7	Dense SAND (fine to medium), weathered rock, ash; brown; dry; no hydrocarbon odor
20	22	SS	25-27-30-40	1.5	4.1	Very dense SAND (fine), SILT, weathered rock; ash; brown; dry; no hydrocarbon odor
22	24	SS	50/4	0.5	2.3	Very dense SAND (fine), SILT, weathered rock; brown; dry; no hydrocarbon odor
24	26	SS	25-35-49-25	1.5	2.4	Very dense SAND (fine to medium), SILT, weathered rock, wood; brown; dry; no hydrocarbon odor

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: TB-12 **PAGE:** 2 OF 2 PAGES

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
26	28	SS	25-48-50/2	1.0	2.5	Very dense SAND (fine to medium), SILT, weathered rock, ash; gray to black; dry; no hydrocarbon odor
28	30	SS	25-50/2	0.5	4.5	Very dense SAND (fine), SILT and CLAY, wood; gray; wet; no hydrocarbon odor
30	32	SS	50/1	0	-	Spoon Refusal. Advanced augers to 33 fbg-
33	35	SS	25-54-34-20	1.5	2.1	Very dense SAND (fine to medium), SILT, GRAVEL (fine, rounded); gray; wet; no hydrocarbon odor
35	37	SS	5-9-15-19	1.0	1.9	Medium dense SAND (fine to medium), SILT, trace GRAVEL (fine, rounded); gray; wet; no hydrocarbon odor
37	39	SS	10-10-5-6	1.5	2.1	Medium dense SAND (fine to coarse), SILT, trace GRAVEL (fine, subrounded); dark gray; wet; no hydrocarbon odor
39	41	SS	70/4	0.25	2.7	Very dense SILT, CLAY, some SAND (fine); black; wet; organic odor
						Refusal at 40.5 ftbg

Comments:

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**OWNER**: Bilwin Development Affiliates, LLC **WELL NO.:** TB-13 **PAGE** 1 **OF** 2 **PAGES**
SITE LOCATION: 109-125 Marbledale Road Tuckahoe, New York BCP Site #C360143	**SCREEN SIZE & TYPE:** None **SLOT NO.:** **SETTING**:
DATE COMPLETED: February 25, 2015	**SAND PACK SIZE & TYPE:** None
DRILLING COMPANY: SoilTesting, Inc. Oxford, Connecticut	**SETTING:** **CASING SIZE & TYPE:** None
DRILLING METHOD: Diedrich D50M 4.25" HSA	**SETTING:**
SAMPLING METHOD: 2.25" Split Spoon	**SEAL TYPE:** None
OBSERVER: REG	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**: Portland and bentonite slurry
ELEVATION OF RP:	**STATIC WATER LEVEL**:
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
NOTES:	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	2	SS	4-12-17-19	1.0	0.7	Medium dense Topsoil, SAND (medium to coarse), GRAVEL (medium, angular); brown; dry; no hydrocarbon odor
2	4	SS	45-50/4	1.0	0.7	Very dense SAND (medium to coarse), GRAVEL (medium, angular); brown; dry; no hydrocarbon odor
4	6	SS	8-7-4-5	1.0	17.2	Medium dense SAND (medium to coarse), brick, ash; brown and red; dry; no hydrocarbon odor
6	8	SS	7-1-1-1	0.5	2.1	Very loose SAND (medium to coarse), brick, ash; brown and red; dry; no hydrocarbon odor
8	10	SS	12-14-14-10	0.5	2.1	Medium dense SAND (medium to coarse), brick, ash; brown and red; dry; no hydrocarbon odor
10	12	SS	10-20-50/0	0.25	1.7	Very dense SAND (medium to coarse), brick, ash; brown and red; dry; no hydrocarbon odor
12	14	SS	20-30-14-14	1.0	0.4	Dense SAND (medium to coarse), weathered marble, brick, ash; brown and red; dry; no hydrocarbon odor
14	16	SS	19-23-57/0	0.75	0.8	Very dense ash; black; moist; slight charred odor
16	18	SS	-	-	-	-
18	20	SS	25-35-51-52	1.5	1.9	Very dense SAND (medium to coarse), weathered rock, ash; dark gray; moist; slight hydrocarbon odor
20	22	SS	25-51-44-27	1.5	1.6	Very dense SAND (medium to coarse), weathered rock, ash, wood; black; dry; slight hydrocarbon odor
22	24	SS	25-45-50/2	0.5	2.0	Very dense SAND (medium to coarse), SILT, ash, glass; gray; moist; slight hydrocarbon odor
24	26	SS	25-50/3	1.0	4.2	Very dense SAND (medium to coarse), SILT, weathered rock, ash; gray; dry; slight hydrocarbon odor

OWNER: Bilwin Development Affiliates, LLC

WELL NO.: TB-13 **PAGE:** 2 OF 2 PAGES

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
26	28	SS	45-26-17-15	1.0	1.9	Dense SAND (medium to coarse), SILT, weathered rock, wood; gray; wet; no hydrocarbon odor
28	30	SS	17-17-10-10	2.0	0.7	Medium dense SAND (medium to coarse), SILT, trace GRAVEL (fine, angular); gray; wet; no hydrocarbon odor
30	32	SS	10-8-5-7	0.25	1.9	Medium dense SAND (fine to coarse), SILT, trace GRAVEL (fine, subrounded); gray; wet; no hydrocarbon odor
32	34	SS	10-12-7-8	2.0	1.3	Medium dense SAND (fine to coarse), SILT, trace GRAVEL (fine, subrounded); gray; wet; no hydrocarbon odor
34	36	SS	50/0	0	-	-
36	38	SS	8-7-7-8	1.0	1.5	Medium dense SAND (medium to coarse), SILT, GRAVEL (fine, angular); gray; wet; no hydrocarbon odor
38	40	SS	8-10-7-9	1.0	1.0	Medium dense SAND (medium to coarse), SILT, GRAVEL (fine, angular); gray; wet; no hydrocarbon odor
40	42	SS	4-5-5-6	1.0	2.0	Loose SAND (medium to coarse), SILT, GRAVEL (fine, angular); gray; wet; no hydrocarbon odor
42	44	SS	4-5-25-35	1.5	2.9	Dense SAND (medium to coarse), SILT, GRAVEL (fine, angular) grading to CLAY and weathered marble; gray; wet; no hydrocarbon odor
						Refusal at 43.9 ftbg

APPENDIX D

Laboratory Analytical Reports

and

Data Validation Review Reports

PHOENIX
Environmental Laboratories, Inc.

Monday, March 09, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH78390 - BH78391

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 09, 2015

SDG I.D.: GBH78390

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78390
Phoenix ID: BH78390

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 4-6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	03/03/15	EK	SW6010C
Aluminum	8050	58	mg/Kg	03/03/15	EK	SW6010C
Arsenic	4.5	0.8	mg/Kg	03/03/15	EK	SW6010C
Barium	76.9	0.39	mg/Kg	03/03/15	EK	SW6010C
Beryllium	0.32	0.31	mg/Kg	03/03/15	EK	SW6010C
Calcium	31500	58	mg/Kg	03/03/15	EK	SW6010C
Cadmium	< 0.39	0.39	mg/Kg	03/03/15	EK	SW6010C
Cobalt	7.17	0.39	mg/Kg	03/03/15	EK	SW6010C
Chromium	24.0	0.39	mg/Kg	03/03/15	EK	SW6010C
Copper	35.4	0.39	mg/kg	03/03/15	EK	SW6010C
Iron	13600	58	mg/Kg	03/03/15	EK	SW6010C
Mercury	0.32	0.03	mg/Kg	03/03/15	MA	SW7471B
Potassium	1930	5.8	mg/Kg	03/03/15	EK	SW6010C
Magnesium	16600	58	mg/Kg	03/03/15	EK	SW6010C
Manganese	195	3.9	mg/Kg	03/03/15	EK	SW6010C
Sodium	230	5.8	mg/Kg	03/03/15	EK	SW6010C
Nickel	25.3	0.39	mg/Kg	03/03/15	EK	SW6010C
Lead	82.8	0.39	mg/Kg	03/03/15	EK	SW6010C
Antimony	< 3.9	3.9	mg/Kg	03/03/15	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/03/15	EK	SW6010C
Thallium	< 3.5	3.5	mg/Kg	03/03/15	EK	SW6010C
Vanadium	32.6	0.39	mg/Kg	03/03/15	EK	SW6010C
Zinc	215	3.9	mg/Kg	03/03/15	EK	SW6010C
Percent Solid	84		%	03/02/15	i	SW846-%Solid
Total Cyanide	< 0.54	0.54	mg/Kg	03/04/15	O/B/E	SW9010C/SW90
Soil Extraction for PCB	Completed			03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed			03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 4-6

Phoenix I.D.: BH78390

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1221	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1232	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1242	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1248	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1254	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1260	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1262	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1268	ND	78	ug/Kg	03/03/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	82		%	03/03/15	AW	30 - 150 %
% TCMX	84		%	03/03/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
2-Hexanone	ND	30	ug/kg	03/04/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/kg	03/04/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/04/15	JLI	SW8260C
Benzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Bromochloromethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Bromodichloromethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Bromoform	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Bromomethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Carbon Disulfide	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Carbon tetrachloride	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Chlorobenzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Chloroethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Chloroform	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Chloromethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Cyclohexane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Dibromochloromethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Isopropylbenzene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
m&p-Xylene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Methyl ethyl ketone	ND	36	ug/kg	03/04/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	03/04/15	JLI	SW8260C
Methylacetate	ND	4.8	ug/kg	03/04/15	JLI	SW8260C
Methylcyclohexane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Methylene chloride	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
o-Xylene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Styrene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Tetrachloroethene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Toluene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Total Xylenes	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Trichloroethene	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
Vinyl chloride	ND	6.0	ug/kg	03/04/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	03/04/15	JLI	70 - 130 %
% Bromofluorobenzene	93		%	03/04/15	JLI	70 - 130 %
% Dibromofluoromethane	97		%	03/04/15	JLI	70 - 130 %
% Toluene-d8	94		%	03/04/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/04/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	1400	ug/Kg	03/04/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2,4-Dichlorophenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2,4-Dimethylphenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2,4-Dinitrophenol	ND	3100	ug/Kg	03/04/15	DD	SW8270D
2,4-Dinitrotoluene	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2,6-Dinitrotoluene	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2-Chloronaphthalene	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2-Chlorophenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2-Methylnaphthalene	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1400	ug/Kg	03/04/15	DD	SW8270D
2-Nitroaniline	ND	3100	ug/Kg	03/04/15	DD	SW8270D
2-Nitrophenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1900	ug/Kg	03/04/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	2300	ug/Kg	03/04/15	DD	SW8270D
3-Nitroaniline	ND	3100	ug/Kg	03/04/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	5600	ug/Kg	03/04/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	1900	ug/Kg	03/04/15	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
4-Chloroaniline	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
4-Nitroaniline	ND	3100	ug/Kg	03/04/15	DD	SW8270D	
4-Nitrophenol	ND	5600	ug/Kg	03/04/15	DD	SW8270D	
Acenaphthene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Acenaphthylene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Acetophenone	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Anthracene	2200	1400	ug/Kg	03/04/15	DD	SW8270D	
Atrazine	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Benz(a)anthracene	5900	1400	ug/Kg	03/04/15	DD	SW8270D	
Benzaldehyde	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Benzo(a)pyrene	5200	1400	ug/Kg	03/04/15	DD	SW8270D	
Benzo(b)fluoranthene	6400	1400	ug/Kg	03/04/15	DD	SW8270D	
Benzo(ghi)perylene	1900	1400	ug/Kg	03/04/15	DD	SW8270D	
Benzo(k)fluoranthene	2200	1400	ug/Kg	03/04/15	DD	SW8270D	
Benzyl butyl phthalate	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	1900	ug/Kg	03/04/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	1400	ug/Kg	03/04/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Caprolactam	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Carbazole	ND	5600	ug/Kg	03/04/15	DD	SW8270D	
Chrysene	5600	1400	ug/Kg	03/04/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Dibenzofuran	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Diethyl phthalate	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Dimethylphthalate	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Di-n-butylphthalate	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Di-n-octylphthalate	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Fluoranthene	9200	1400	ug/Kg	03/04/15	DD	SW8270D	
Fluorene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Hexachlorobenzene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Hexachlorobutadiene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Hexachloroethane	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	1900	1400	ug/Kg	03/04/15	DD	SW8270D	
Isophorone	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Naphthalene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Nitrobenzene	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	1900	ug/Kg	03/04/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	1900	ug/Kg	03/04/15	DD	SW8270D	
Pentachlorophenol	ND	1900	ug/Kg	03/04/15	DD	SW8270D	
Phenanthrene	7000	1400	ug/Kg	03/04/15	DD	SW8270D	
Phenol	ND	1400	ug/Kg	03/04/15	DD	SW8270D	
Pyrene	7400	1400	ug/Kg	03/04/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	96		%	03/04/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	79		%	03/04/15	DD	30 - 130 %
% 2-Fluorophenol	73		%	03/04/15	DD	30 - 130 %
% Nitrobenzene-d5	78		%	03/04/15	DD	30 - 130 %
% Phenol-d5	74		%	03/04/15	DD	30 - 130 %
% Terphenyl-d14	65		%	03/04/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/05/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

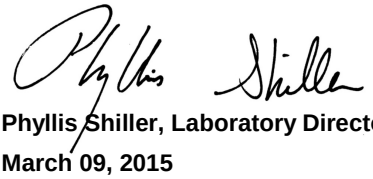
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78390
Phoenix ID: BH78391

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 26-28

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	03/03/15	EK	SW6010C
Aluminum	10400	56	mg/Kg	03/03/15	EK	SW6010C
Arsenic	1.2	0.7	mg/Kg	03/03/15	EK	SW6010C
Barium	77.7	0.37	mg/Kg	03/03/15	EK	SW6010C
Beryllium	0.31	0.30	mg/Kg	03/03/15	EK	SW6010C
Calcium	15200	56	mg/Kg	03/03/15	EK	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	03/03/15	EK	SW6010C
Cobalt	9.14	0.37	mg/Kg	03/03/15	EK	SW6010C
Chromium	31.4	0.37	mg/Kg	03/03/15	EK	SW6010C
Copper	20.3	0.37	mg/kg	03/03/15	EK	SW6010C
Iron	16400	56	mg/Kg	03/03/15	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	03/03/15	MA	SW7471B
Potassium	2650	5.6	mg/Kg	03/03/15	EK	SW6010C
Magnesium	7560	56	mg/Kg	03/03/15	EK	SW6010C
Manganese	302	3.7	mg/Kg	03/03/15	EK	SW6010C
Sodium	198	5.6	mg/Kg	03/03/15	EK	SW6010C
Nickel	20.8	0.37	mg/Kg	03/03/15	EK	SW6010C
Lead	11.8	0.37	mg/Kg	03/03/15	EK	SW6010C
Antimony	< 3.7	3.7	mg/Kg	03/03/15	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/03/15	EK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	03/03/15	EK	SW6010C
Vanadium	31.1	0.37	mg/Kg	03/03/15	EK	SW6010C
Zinc	58.8	0.37	mg/Kg	03/03/15	EK	SW6010C
Percent Solid	80		%	03/02/15	i	SW846-%Solid
Total Cyanide	< 0.57	0.57	mg/Kg	03/04/15	O/B/E	SW9010C/SW90
Soil Extraction for PCB	Completed			03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed			03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 26-28

Phoenix I.D.: BH78391

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	82	ug/Kg	03/03/15	AW	SW8082A
PCB-1221	ND	82	ug/Kg	03/03/15	AW	SW8082A
PCB-1232	ND	82	ug/Kg	03/03/15	AW	SW8082A
PCB-1242	ND	82	ug/Kg	03/03/15	AW	SW8082A
PCB-1248	ND	82	ug/Kg	03/03/15	AW	SW8082A
PCB-1254	ND	82	ug/Kg	03/03/15	AW	SW8082A
PCB-1260	ND	82	ug/Kg	03/03/15	AW	SW8082A
PCB-1262	ND	82	ug/Kg	03/03/15	AW	SW8082A
PCB-1268	ND	82	ug/Kg	03/03/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	61		%	03/03/15	AW	30 - 150 %
% TCMX	66		%	03/03/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
2-Hexanone	ND	27	ug/kg	03/04/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	ug/kg	03/04/15	JLI	SW8260C
Acetone	200	53	ug/kg	03/04/15	JLI	SW8260C
Benzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Bromochloromethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Bromodichloromethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Bromoform	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Bromomethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Carbon Disulfide	6.9	5.3	ug/kg	03/04/15	JLI	SW8260C
Carbon tetrachloride	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Chlorobenzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Chloroethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Chloroform	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Chloromethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Cyclohexane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Dibromochloromethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C
Dichlorodifluoromethane	ND	200	ug/kg	03/04/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Ethylbenzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Isopropylbenzene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
m&p-Xylene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Methyl ethyl ketone	ND	32	ug/kg	03/04/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	03/04/15	JLI	SW8260C	
Methylacetate	ND	4.3	ug/kg	03/04/15	JLI	SW8260C	
Methylcyclohexane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Methylene chloride	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
o-Xylene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Styrene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Tetrachloroethene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Toluene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Total Xylenes	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Trichloroethene	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Trichlorofluoromethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
Vinyl chloride	ND	5.3	ug/kg	03/04/15	JLI	SW8260C	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	03/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	95		%	03/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	51		%	03/04/15	JLI	70 - 130 %	3
% Toluene-d8	97		%	03/04/15	JLI	70 - 130 %	
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	03/04/15	JLI	SW8260C	
Semivolatiles							
1,1-Biphenyl	ND	280	ug/Kg	03/03/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2,4-Dichlorophenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2,4-Dimethylphenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2,4-Dinitrophenol	ND	650	ug/Kg	03/03/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2-Chloronaphthalene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2-Chlorophenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2-Methylnaphthalene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	280	ug/Kg	03/03/15	DD	SW8270D	
2-Nitroaniline	ND	650	ug/Kg	03/03/15	DD	SW8270D	
2-Nitrophenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	410	ug/Kg	03/03/15	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	490	ug/Kg	03/03/15	DD	SW8270D	
3-Nitroaniline	ND	650	ug/Kg	03/03/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	03/03/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	410	ug/Kg	03/03/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 26-28

Phoenix I.D.: BH78391

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
4-Chloroaniline	ND	280	ug/Kg	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	03/03/15	DD	SW8270D	
4-Nitroaniline	ND	650	ug/Kg	03/03/15	DD	SW8270D	
4-Nitrophenol	ND	1200	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthylene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Acetophenone	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Anthracene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Atrazine	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Benz(a)anthracene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Benzaldehyde	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Benzo(a)pyrene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	410	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	280	ug/Kg	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Caprolactam	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Carbazole	ND	1200	ug/Kg	03/03/15	DD	SW8270D	
Chrysene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Dibenzofuran	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Diethyl phthalate	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Dimethylphthalate	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Fluoranthene	450	280	ug/Kg	03/03/15	DD	SW8270D	
Fluorene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Hexachloroethane	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Isophorone	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Naphthalene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Nitrobenzene	ND	280	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	410	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	410	ug/Kg	03/03/15	DD	SW8270D	
Pentachlorophenol	ND	410	ug/Kg	03/03/15	DD	SW8270D	
Phenanthrene	330	280	ug/Kg	03/03/15	DD	SW8270D	
Phenol	ND	280	ug/Kg	03/03/15	DD	SW8270D	
Pyrene	410	280	ug/Kg	03/03/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	89		%	03/03/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	83		%	03/03/15	DD	30 - 130 %
% 2-Fluorophenol	72		%	03/03/15	DD	30 - 130 %
% Nitrobenzene-d5	75		%	03/03/15	DD	30 - 130 %
% Phenol-d5	77		%	03/03/15	DD	30 - 130 %
% Terphenyl-d14	114		%	03/03/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/03/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

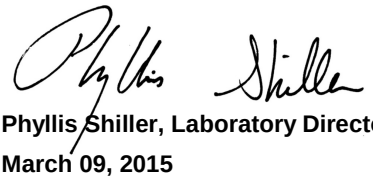
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:

**Surrogate recoveries were outside control limits for volatiles due to matrix interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-13 4-6

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78390

Matrix:(soil/water) SOIL Lab Sample ID: BH78390

Sample wt/vol: 15.38 (g/mL) g Lab File ID: 0304_20.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 16 decanted:(Y/N) NA Date Extracted: 03/04/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/4/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 5

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.670	2900	JNA
000203-64-5	4H-Cyclopenta[def]phenanthrene	13.780	1700	JN
000205-82-3	Benzo[j]fluoranthene	19.900	3200	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-13 26-28

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78390

Matrix:(soil/water) SOIL Lab Sample ID: BH78391

Sample wt/vol: 15.4 (g/mL) g Lab File ID: 0302_19.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 20 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.763	1500	JNA
	Unknown	15.480	590	JN

FORM I SEMIVOA-TIC

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300603, QC Sample No: BH78166 (BH78390, BH78391)													
Mercury - Soil	BRL	<0.03	<0.03	NC	97.0	101	4.0	105	98.8	6.1	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 300557, QC Sample No: BH78307 (BH78390, BH78391)													
ICP Metals - Soil													
Aluminum	BRL	5790	6480	11.2	103	99.1	3.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<1.8	<3.6	NC	105	110	4.7	88.6	90.4	2.0	75 - 125	30	
Arsenic	BRL	1.3	1.47	NC	99.2	97.0	2.2	92.0	94.5	2.7	75 - 125	30	
Barium	BRL	62.5	49.3	23.6	111	112	0.9	91.1	94.3	3.5	75 - 125	30	
Beryllium	BRL	0.31	0.33	NC	103	101	2.0	96.6	94.6	2.1	75 - 125	30	
Cadmium	BRL	<0.36	<0.36	NC	88.6	89.6	1.1	92.6	95.9	3.5	75 - 125	30	
Calcium	BRL	310	385	21.6	103	102	1.0	>130	>130	NC	75 - 125	30	m
Chromium	BRL	12.2	13.3	8.60	103	106	2.9	103	104	1.0	75 - 125	30	
Cobalt	BRL	5.19	6.00	14.5	88.1	89.9	2.0	96.4	99.4	3.1	75 - 125	30	
Copper	BRL	10.7	11.4	6.30	95.1	94.8	0.3	104	107	2.8	75 - 125	30	
Iron	BRL	13500	16000	16.9	87.9	90.3	2.7	NC	NC	NC	75 - 125	30	
Lead	BRL	4.6	4.32	6.30	91.5	93.9	2.6	93.6	96.8	3.4	75 - 125	30	
Magnesium	BRL	1310	1530	15.5	103	102	1.0	NC	NC	NC	75 - 125	30	
Manganese	BRL	503	462	8.50	111	110	0.9	105	65.4	46.5	75 - 125	30	m,r
Nickel	BRL	8.91	9.24	3.60	101	102	1.0	96.1	99.4	3.4	75 - 125	30	
Potassium	BRL	686	653	4.90	96.4	90.9	5.9	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.4	<1.4	NC	87.8	89.2	1.6	79.3	82.1	3.5	75 - 125	30	
Silver	BRL	<0.36	<0.36	NC	102	103	1.0	96.9	100	3.1	75 - 125	30	
Sodium	BRL	414	459	10.3	109	103	5.7	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<1.4	<3.2	NC	100	101	1.0	94.8	98.0	3.3	75 - 125	30	
Vanadium	BRL	20.2	22.7	11.7	110	115	4.4	104	105	1.0	75 - 125	30	
Zinc	BRL	19.2	21.1	9.40	91.8	91.7	0.1	95.6	98.4	2.9	75 - 125	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300799, QC Sample No: BH78389 (BH78390, BH78391)												
Total Cyanide	BRL	2.93	3.36	13.7	103			101			85 - 115	30

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300444, QC Sample No: BH77859 (BH78390, BH78391)										
Semivolatiles - Solid										
1,1-Biphenyl	ND	76	79	3.9	84	83	1.2	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	82	6.3	84	86	2.4	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	94	98	4.2	104	104	0.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	88	92	4.4	98	98	0.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	87	91	4.5	94	94	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	82	88	7.1	89	91	2.2	30 - 130	30	
2,4-Dimethylphenol	ND	78	80	2.5	81	77	5.1	30 - 130	30	
2,4-Dinitrophenol	ND	26	31	17.5	18	21	15.4	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	88	90	2.2	94	94	0.0	30 - 130	30	
2,6-Dinitrotoluene	ND	86	90	4.5	94	94	0.0	30 - 130	30	
2-Chloronaphthalene	ND	77	81	5.1	85	85	0.0	30 - 130	30	
2-Chlorophenol	ND	75	81	7.7	83	84	1.2	30 - 130	30	
2-Methylnaphthalene	ND	80	85	6.1	87	89	2.3	30 - 130	30	
2-Methylphenol (o-cresol)	ND	74	79	6.5	79	80	1.3	30 - 130	30	
2-Nitroaniline	ND	89	95	6.5	86	91	5.6	30 - 130	30	
2-Nitrophenol	ND	79	84	6.1	88	90	2.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	82	87	5.9	86	88	2.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	76	82	7.6	77	78	1.3	30 - 130	30	
3-Nitroaniline	ND	85	89	4.6	87	92	5.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	49	57	15.1	75	78	3.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	81	85	4.8	92	90	2.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	88	93	5.5	94	96	2.1	30 - 130	30	
4-Chloroaniline	ND	74	77	4.0	76	77	1.3	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	81	84	3.6	88	87	1.1	30 - 130	30	
4-Nitroaniline	ND	85	90	5.7	92	93	1.1	30 - 130	30	
4-Nitrophenol	ND	93	100	7.3	97	98	1.0	30 - 130	30	
Acenaphthene	ND	84	88	4.7	91	90	1.1	30 - 130	30	
Acenaphthylene	ND	78	81	3.8	85	84	1.2	30 - 130	30	
Acetophenone	ND	78	83	6.2	84	86	2.4	30 - 130	30	
Anthracene	ND	81	87	7.1	91	89	2.2	30 - 130	30	
Atrazine	ND	80	82	2.5	91	82	10.4	30 - 130	30	
Benz(a)anthracene	ND	84	89	5.8	90	90	0.0	30 - 130	30	
Benzaldehyde	ND	53	63	17.2	125	141	12.0	30 - 130	30	m
Benzo(a)pyrene	ND	81	86	6.0	89	89	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	78	82	5.0	88	85	3.5	30 - 130	30	
Benzo(ghi)perylene	ND	90	96	6.5	101	99	2.0	30 - 130	30	
Benzo(k)fluoranthene	ND	81	87	7.1	88	89	1.1	30 - 130	30	
Benzyl butyl phthalate	ND	85	88	3.5	97	92	5.3	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	80	83	3.7	86	86	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	64	68	6.1	68	71	4.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	66	70	5.9	72	73	1.4	30 - 130	30	

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bis(2-ethylhexyl)phthalate	ND	85	88	3.5	96	91	5.3	30 - 130	30
Caprolactam	ND	78	80	2.5	87	87	0.0	30 - 130	30
Carbazole	ND	84	89	5.8	92	87	5.6	30 - 130	30
Chrysene	ND	88	93	5.5	95	96	1.0	30 - 130	30
Dibenz(a,h)anthracene	ND	89	95	6.5	101	98	3.0	30 - 130	30
Dibenzofuran	ND	83	88	5.8	90	90	0.0	30 - 130	30
Diethyl phthalate	ND	85	85	0.0	91	89	2.2	30 - 130	30
Dimethylphthalate	ND	83	85	2.4	91	89	2.2	30 - 130	30
Di-n-butylphthalate	ND	77	80	3.8	88	80	9.5	30 - 130	30
Di-n-octylphthalate	ND	90	95	5.4	97	97	0.0	30 - 130	30
Fluoranthene	ND	79	85	7.3	90	86	4.5	30 - 130	30
Fluorene	ND	82	85	3.6	89	88	1.1	30 - 130	30
Hexachlorobenzene	ND	79	82	3.7	90	84	6.9	30 - 130	30
Hexachlorobutadiene	ND	74	77	4.0	82	82	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	90	100	10.5	91	102	11.4	30 - 130	30
Hexachloroethane	ND	66	71	7.3	72	73	1.4	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	89	96	7.6	101	99	2.0	30 - 130	30
Isophorone	ND	75	77	2.6	81	80	1.2	30 - 130	30
Naphthalene	ND	74	80	7.8	81	83	2.4	30 - 130	30
Nitrobenzene	ND	73	79	7.9	79	82	3.7	30 - 130	30
N-Nitrosodimethylamine	ND	58	62	6.7	63	63	0.0	30 - 130	30
N-Nitrosodi-n-propylamine	ND	76	80	5.1	82	83	1.2	30 - 130	30
N-Nitrosodiphenylamine	ND	85	87	2.3	89	91	2.2	30 - 130	30
Pentachlorophenol	ND	104	114	9.2	127	124	2.4	30 - 130	30
Phenanthrene	ND	82	86	4.8	91	88	3.4	30 - 130	30
Phenol	ND	71	77	8.1	77	79	2.6	30 - 130	30
Pyrene	ND	79	83	4.9	90	85	5.7	30 - 130	30
% 2,4,6-Tribromophenol	100	83	88	5.8	92	91	1.1	30 - 130	30
% 2-Fluorobiphenyl	77	75	79	5.2	83	83	0.0	30 - 130	30
% 2-Fluorophenol	64	70	75	6.9	76	77	1.3	30 - 130	30
% Nitrobenzene-d5	67	71	78	9.4	77	80	3.8	30 - 130	30
% Phenol-d5	70	73	79	7.9	79	81	2.5	30 - 130	30
% Terphenyl-d14	88	84	90	6.9	98	93	5.2	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 300456, QC Sample No: BH78084 (BH78390, BH78391)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	95	95	0.0	92	89	3.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	99	99	0.0	96	95	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	83	103	102	1.0	99	97	2.0	30 - 150	30
% TCMX (Surrogate Rec)	69	102	102	0.0	94	92	2.2	30 - 150	30

QA/QC Batch 300840, QC Sample No: BH78836 (BH78390, BH78391)

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	102	111	8.5	112	103	8.4	70 - 130	30

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2,2-Tetrachloroethane	ND	116	124	6.7	136	108	23.0	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	105	7.9	106	94	12.0	70 - 130	30	
1,1-Dichloroethane	ND	105	112	6.5	114	105	8.2	70 - 130	30	
1,1-Dichloroethene	ND	105	114	8.2	114	101	12.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	100	110	9.5	94	77	19.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	109	10.6	95	77	20.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	105	113	7.3	123	95	25.7	70 - 130	30	
1,2-Dibromoethane	ND	98	106	7.8	105	94	11.1	70 - 130	30	
1,2-Dichlorobenzene	ND	102	112	9.3	111	91	19.8	70 - 130	30	
1,2-Dichloroethane	ND	97	105	7.9	103	93	10.2	70 - 130	30	
1,2-Dichloropropane	ND	104	112	7.4	111	103	7.5	70 - 130	30	
1,3-Dichlorobenzene	ND	100	112	11.3	112	93	18.5	70 - 130	30	
1,4-Dichlorobenzene	ND	106	118	10.7	119	97	20.4	70 - 130	30	
1,4-dioxane	ND	109	103	5.7	119	110	7.9	70 - 130	30	
2-Hexanone	ND	96	105	9.0	104	85	20.1	70 - 130	30	
4-Methyl-2-pentanone	ND	99	105	5.9	105	90	15.4	70 - 130	30	
Acetone	ND	101	106	4.8	87	73	17.5	70 - 130	30	
Benzene	ND	103	111	7.5	111	101	9.4	70 - 130	30	
Bromochloromethane	ND	104	114	9.2	110	98	11.5	70 - 130	30	
Bromodichloromethane	ND	105	112	6.5	107	97	9.8	70 - 130	30	
Bromoform	ND	98	109	10.6	104	92	12.2	70 - 130	30	
Bromomethane	ND	94	106	12.0	106	96	9.9	70 - 130	30	
Carbon Disulfide	ND	123	134	8.6	116	106	9.0	70 - 130	30	I
Carbon tetrachloride	ND	100	108	7.7	106	99	6.8	70 - 130	30	
Chlorobenzene	ND	102	112	9.3	112	100	11.3	70 - 130	30	
Chloroethane	ND	94	100	6.2	109	101	7.6	70 - 130	30	
Chloroform	ND	102	111	8.5	111	101	9.4	70 - 130	30	
Chloromethane	ND	107	113	5.5	119	108	9.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	114	6.3	113	102	10.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	107	117	8.9	108	98	9.7	70 - 130	30	
Cyclohexane	ND	97	103	6.0	119	109	8.8	70 - 130	30	
Dibromochloromethane	ND	105	113	7.3	110	97	12.6	70 - 130	30	
Dichlorodifluoromethane	ND	107	116	8.1	117	108	8.0	70 - 130	30	
Ethylbenzene	ND	105	116	10.0	118	104	12.6	70 - 130	30	
Isopropylbenzene	ND	103	113	9.3	128	106	18.8	70 - 130	30	
m&p-Xylene	ND	103	113	9.3	116	102	12.8	70 - 130	30	
Methyl ethyl ketone	ND	94	98	4.2	97	82	16.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	98	106	7.8	101	92	9.3	70 - 130	30	
Methylacetate	ND	100	109	8.6	92	78	16.5	70 - 130	30	
Methylcyclohexane	ND	93	100	7.3	112	101	10.3	70 - 130	30	
Methylene chloride	ND	101	108	6.7	99	91	8.4	70 - 130	30	
o-Xylene	ND	105	115	9.1	116	103	11.9	70 - 130	30	
Styrene	ND	105	115	9.1	111	99	11.4	70 - 130	30	
Tetrachloroethene	ND	100	112	11.3	115	102	12.0	70 - 130	30	
Toluene	ND	101	109	7.6	109	100	8.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	108	118	8.8	114	105	8.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	108	117	8.0	106	97	8.9	70 - 130	30	
Trichloroethene	ND	99	106	6.8	107	97	9.8	70 - 130	30	
Trichlorofluoromethane	ND	100	110	9.5	111	102	8.5	70 - 130	30	
Trichlorotrifluoroethane	ND	104	112	7.4	114	104	9.2	70 - 130	30	
Vinyl chloride	ND	102	110	7.5	119	110	7.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	101	100	1.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	96	100	100	0.0	98	99	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Dibromofluoromethane	100	103	101	2.0	99	98	1.0	70 - 130	30
% Toluene-d8	95	101	100	1.0	99	100	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 09, 2015

Sample Criteria Exceedences Report

GBH78390 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH78390	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5600	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5900	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5200	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	6400	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2200	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1900	1400	500	500	ug/Kg
BH78390	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1400	330	330	ug/Kg
BH78390	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5900	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5200	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	6400	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	5600	1400	3900	3900	ug/Kg
BH78390	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	1400	500	500	ug/Kg
BH78390	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1400	330	330	ug/Kg
BH78390	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6400	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5900	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5200	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	1400	1000	1000	ug/Kg
BH78390	$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1900	800	800	ug/Kg
BH78390	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	1400	500	500	ug/Kg
BH78390	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	1400	800	800	ug/Kg
BH78390	$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	330	330	ug/Kg
BH78390	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	330	330	ug/Kg
BH78390	$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	330	330	ug/Kg
BH78390	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.32	0.03	0.18	0.18	mg/Kg
BH78390	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	82.8	0.39	63	63	mg/Kg
BH78390	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	215	3.9	109	109	mg/Kg
BH78391	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	200	53	50	50	ug/kg
BH78391	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.4	0.37	30		mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 09, 2015

SDG I.D.: GBH78390

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 C WK Pg 1 of

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd. Tuckahoe NY
Report to: Tim Carr
Invoice to:

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664

Client Sample - Information - Identification

Sampler's Signature: RC Date: 2/26/15

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA	Methanol [ ] S. Bisulfate [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
78390	TB-13(4-6)	S	2/26/15		1	1	1	1	1	1	3	2									
78391	TB-13(26-28)	S	1		1	1	1	1	1	1	3	2									

Relinquished by:	Accepted by:	Date:	Time:
		3-2-15	12-10
		3/2/15	15:48

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Monday, March 09, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH78384 - BH78389

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 09, 2015

SDG I.D.: GBH78384

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78384

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 4-6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	03/03/15	LK	SW6010C
Aluminum	11400	56	mg/Kg	03/03/15	EK	SW6010C
Arsenic	2.7	0.8	mg/Kg	03/03/15	LK	SW6010C
Barium	92.2	0.38	mg/Kg	03/03/15	LK	SW6010C
Beryllium	0.38	0.30	mg/Kg	03/03/15	LK	SW6010C
Calcium	23900	56	mg/Kg	03/03/15	EK	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	03/03/15	LK	SW6010C
Cobalt	10.2	0.38	mg/Kg	03/03/15	LK	SW6010C
Chromium	25.9	0.38	mg/Kg	03/03/15	LK	SW6010C
Copper	28.0	0.38	mg/kg	03/03/15	LK	SW6010C
Iron	18600	56	mg/Kg	03/03/15	EK	SW6010C
Mercury	0.10	0.03	mg/Kg	03/03/15	MA	SW7471B
Potassium	3630	56	mg/Kg	03/03/15	EK	SW6010C
Magnesium	8150	56	mg/Kg	03/03/15	EK	SW6010C
Manganese	297	3.8	mg/Kg	03/03/15	EK	SW6010C
Sodium	209	5.6	mg/Kg	03/03/15	LK	SW6010C
Nickel	21.3	0.38	mg/Kg	03/03/15	LK	SW6010C
Lead	37.4	0.38	mg/Kg	03/03/15	LK	SW6010C
Antimony	< 3.8	3.8	mg/Kg	03/03/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/03/15	LK	SW6010C
Thallium	< 3.4	3.4	mg/Kg	03/03/15	LK	SW6010C
Vanadium	34.1	0.38	mg/Kg	03/03/15	LK	SW6010C
Zinc	64.5	0.38	mg/Kg	03/03/15	LK	SW6010C
Percent Solid	82		%	03/02/15	i	SW846-%Solid
Total Cyanide	< 0.61	0.61	mg/Kg	03/02/15	O/EG	SW9010C/SW90
Soil Extraction for PCB	Completed			03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed			03/03/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	79	ug/Kg	03/03/15	AW	SW8082A
PCB-1221	ND	79	ug/Kg	03/03/15	AW	SW8082A
PCB-1232	ND	79	ug/Kg	03/03/15	AW	SW8082A
PCB-1242	ND	79	ug/Kg	03/03/15	AW	SW8082A
PCB-1248	ND	79	ug/Kg	03/03/15	AW	SW8082A
PCB-1254	ND	79	ug/Kg	03/03/15	AW	SW8082A
PCB-1260	ND	79	ug/Kg	03/03/15	AW	SW8082A
PCB-1262	ND	79	ug/Kg	03/03/15	AW	SW8082A
PCB-1268	ND	79	ug/Kg	03/03/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	88		%	03/03/15	AW	30 - 150 %
% TCMX	76		%	03/03/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
2-Hexanone	ND	20	ug/kg	03/04/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	20	ug/kg	03/04/15	JLI	SW8260C
Acetone	72	41	ug/kg	03/04/15	JLI	SW8260C
Benzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Bromochloromethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Bromodichloromethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Bromoform	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Bromomethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Carbon Disulfide	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Carbon tetrachloride	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Chlorobenzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Chloroethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Chloroform	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Chloromethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Cyclohexane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Dibromochloromethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Isopropylbenzene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
m&p-Xylene	11	4.1	ug/kg	03/04/15	JLI	SW8260C
Methyl ethyl ketone	ND	25	ug/kg	03/04/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.2	ug/kg	03/04/15	JLI	SW8260C
Methylacetate	ND	3.3	ug/kg	03/04/15	JLI	SW8260C
Methylcyclohexane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Methylene chloride	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
o-Xylene	8.7	4.1	ug/kg	03/04/15	JLI	SW8260C
Styrene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Tetrachloroethene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Toluene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Total Xylenes	19.7	4.1	ug/kg	03/04/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Trichloroethene	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
Vinyl chloride	ND	4.1	ug/kg	03/04/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	100		%	03/04/15	JLI	70 - 130 %
% Bromofluorobenzene	92		%	03/04/15	JLI	70 - 130 %
% Dibromofluoromethane	77		%	03/04/15	JLI	70 - 130 %
% Toluene-d8	95		%	03/04/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	82	ug/kg	03/04/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	560	ug/Kg	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	560	ug/Kg	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	560	ug/Kg	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	560	ug/Kg	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	560	ug/Kg	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND	560	ug/Kg	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND	560	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND	560	ug/Kg	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND	560	ug/Kg	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND	560	ug/Kg	03/03/15	DD	SW8270D
2-Chlorophenol	ND	560	ug/Kg	03/03/15	DD	SW8270D
2-Methylnaphthalene	1300	560	ug/Kg	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/03/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/03/15	DD	SW8270D
2-Nitrophenol	ND	560	ug/Kg	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	800	ug/Kg	03/03/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	960	ug/Kg	03/03/15	DD	SW8270D
3-Nitroaniline	ND	1300	ug/Kg	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	2300	ug/Kg	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	800	ug/Kg	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 4-6

Phoenix I.D.: BH78384

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	560	ug/Kg	03/03/15	DD	SW8270D	
4-Chloroaniline	ND	560	ug/Kg	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	560	ug/Kg	03/03/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/03/15	DD	SW8270D	
4-Nitrophenol	ND	2300	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthene	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthylene	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Acetophenone	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Anthracene	640	560	ug/Kg	03/03/15	DD	SW8270D	
Atrazine	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Benz(a)anthracene	1400	560	ug/Kg	03/03/15	DD	SW8270D	
Benzaldehyde	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Benzo(a)pyrene	2100	560	ug/Kg	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	2300	560	ug/Kg	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	1300	560	ug/Kg	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	840	560	ug/Kg	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	800	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	560	ug/Kg	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	560	560	ug/Kg	03/03/15	DD	SW8270D	
Caprolactam	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Carbazole	ND	2300	ug/Kg	03/03/15	DD	SW8270D	
Chrysene	1500	560	ug/Kg	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/03/15	DD	SW8270D	
Dibenzofuran	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Diethyl phthalate	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Dimethylphthalate	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Fluoranthene	2500	560	ug/Kg	03/03/15	DD	SW8270D	
Fluorene	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Hexachloroethane	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	1200	560	ug/Kg	03/03/15	DD	SW8270D	
Isophorone	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Naphthalene	ND	560	ug/Kg	03/03/15	DD	SW8270D	
Nitrobenzene	ND	560	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	800	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	560	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	800	ug/Kg	03/03/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/03/15	DD	SW8270D	
Phenanthrene	1900	560	ug/Kg	03/03/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/03/15	DD	SW8270D	
Pyrene	3500	560	ug/Kg	03/03/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	54		%	03/03/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	68		%	03/03/15	DD	30 - 130 %
% 2-Fluorophenol	60		%	03/03/15	DD	30 - 130 %
% Nitrobenzene-d5	64		%	03/03/15	DD	30 - 130 %
% Phenol-d5	62		%	03/03/15	DD	30 - 130 %
% Terphenyl-d14	94		%	03/03/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/04/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

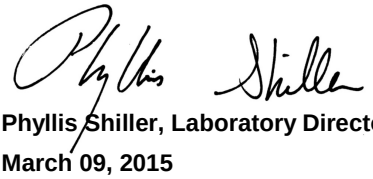
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78385

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 28-30

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	03/03/15	LK	SW6010C
Aluminum	24900	550	mg/Kg	03/04/15	LK	SW6010C
Arsenic	1.5	0.7	mg/Kg	03/03/15	LK	SW6010C
Barium	157	0.37	mg/Kg	03/03/15	LK	SW6010C
Beryllium	0.54	0.29	mg/Kg	03/03/15	LK	SW6010C
Calcium	10500	5.5	mg/Kg	03/03/15	LK	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	03/03/15	LK	SW6010C
Cobalt	15.0	0.37	mg/Kg	03/03/15	LK	SW6010C
Chromium	37.8	0.37	mg/Kg	03/03/15	LK	SW6010C
Copper	107	0.37	mg/kg	03/03/15	LK	SW6010C
Iron	28800	55	mg/Kg	03/03/15	EK	SW6010C
Mercury	0.10	0.03	mg/Kg	03/03/15	MA	SW7471B
Potassium	5300	55	mg/Kg	03/03/15	EK	SW6010C
Magnesium	11100	55	mg/Kg	03/03/15	EK	SW6010C
Manganese	380	3.7	mg/Kg	03/03/15	EK	SW6010C
Sodium	312	5.5	mg/Kg	03/03/15	LK	SW6010C
Nickel	28.9	0.37	mg/Kg	03/03/15	LK	SW6010C
Lead	95.8	0.37	mg/Kg	03/03/15	LK	SW6010C
Antimony	< 3.7	3.7	mg/Kg	03/03/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/03/15	LK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	03/03/15	LK	SW6010C
Vanadium	47.9	0.37	mg/Kg	03/03/15	LK	SW6010C
Zinc	168	3.7	mg/Kg	03/03/15	EK	SW6010C
Percent Solid	84		%	03/02/15	i	SW846-%Solid
Total Cyanide	< 0.54	0.54	mg/Kg	03/02/15	O/EG	SW9010C/SW90
Soil Extraction for PCB	Completed			03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed			03/03/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1221	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1232	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1242	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1248	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1254	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1260	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1262	ND	78	ug/Kg	03/03/15	AW	SW8082A
PCB-1268	ND	78	ug/Kg	03/03/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	81		%	03/03/15	AW	30 - 150 %
% TCMX	77		%	03/03/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
2-Hexanone	ND	25	ug/kg	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	ug/kg	03/03/15	JLI	SW8260C
Acetone	62	51	ug/kg	03/03/15	JLI	SW8260C
Benzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Bromochloromethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Bromodichloromethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Bromoform	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Bromomethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Carbon Disulfide	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Chlorobenzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Chloroethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Chloroform	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Chloromethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Cyclohexane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Dibromochloromethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Isopropylbenzene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
m&p-Xylene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND	30	ug/kg	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/kg	03/03/15	JLI	SW8260C
Methylacetate	ND	4.0	ug/kg	03/03/15	JLI	SW8260C
Methylcyclohexane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Methylene chloride	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
o-Xylene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Styrene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Tetrachloroethene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Toluene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Total Xylenes	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Trichloroethene	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
Vinyl chloride	ND	5.1	ug/kg	03/03/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	100		%	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	100		%	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	96		%	03/03/15	JLI	70 - 130 %
% Toluene-d8	97		%	03/03/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/03/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	270	ug/Kg	03/02/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	03/02/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	270	ug/Kg	03/02/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	03/02/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	03/02/15	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	03/02/15	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	03/02/15	DD	SW8270D
2,4-Dinitrophenol	ND	620	ug/Kg	03/02/15	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	03/02/15	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	03/02/15	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	03/02/15	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	03/02/15	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	03/02/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	03/02/15	DD	SW8270D
2-Nitroaniline	ND	620	ug/Kg	03/02/15	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	03/02/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	03/02/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	460	ug/Kg	03/02/15	DD	SW8270D
3-Nitroaniline	ND	620	ug/Kg	03/02/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/02/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	03/02/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 28-30

Phoenix I.D.: BH78385

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	270	ug/Kg	03/02/15	DD	SW8270D	
4-Chloroaniline	ND	270	ug/Kg	03/02/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	03/02/15	DD	SW8270D	
4-Nitroaniline	ND	620	ug/Kg	03/02/15	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	03/02/15	DD	SW8270D	
Acenaphthene	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Acenaphthylene	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Acetophenone	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Anthracene	570	270	ug/Kg	03/02/15	DD	SW8270D	
Atrazine	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Benz(a)anthracene	860	270	ug/Kg	03/02/15	DD	SW8270D	
Benzaldehyde	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Benzo(a)pyrene	750	270	ug/Kg	03/02/15	DD	SW8270D	
Benzo(b)fluoranthene	980	270	ug/Kg	03/02/15	DD	SW8270D	
Benzo(ghi)perylene	490	270	ug/Kg	03/02/15	DD	SW8270D	
Benzo(k)fluoranthene	420	270	ug/Kg	03/02/15	DD	SW8270D	
Benzyl butyl phthalate	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	03/02/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	03/02/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	640	270	ug/Kg	03/02/15	DD	SW8270D	
Caprolactam	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	03/02/15	DD	SW8270D	
Chrysene	940	270	ug/Kg	03/02/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Dibenzofuran	280	270	ug/Kg	03/02/15	DD	SW8270D	
Diethyl phthalate	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Dimethylphthalate	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Di-n-butylphthalate	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Di-n-octylphthalate	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Fluoranthene	2600	270	ug/Kg	03/02/15	DD	SW8270D	
Fluorene	400	270	ug/Kg	03/02/15	DD	SW8270D	
Hexachlorobenzene	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Hexachlorobutadiene	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Hexachloroethane	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	420	270	ug/Kg	03/02/15	DD	SW8270D	
Isophorone	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Naphthalene	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Nitrobenzene	ND	270	ug/Kg	03/02/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	390	ug/Kg	03/02/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	03/02/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	390	ug/Kg	03/02/15	DD	SW8270D	
Pentachlorophenol	ND	390	ug/Kg	03/02/15	DD	SW8270D	
Phenanthrene	2500	270	ug/Kg	03/02/15	DD	SW8270D	
Phenol	ND	270	ug/Kg	03/02/15	DD	SW8270D	
Pyrene	2200	270	ug/Kg	03/02/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	89		%	03/02/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	83		%	03/02/15	DD	30 - 130 %
% 2-Fluorophenol	74		%	03/02/15	DD	30 - 130 %
% Nitrobenzene-d5	78		%	03/02/15	DD	30 - 130 %
% Phenol-d5	77		%	03/02/15	DD	30 - 130 %
% Terphenyl-d14	117		%	03/02/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/03/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

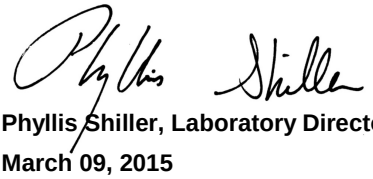
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78386

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 4-6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	03/03/15	LK	SW6010C
Aluminum	8040	58	mg/Kg	03/04/15	LK	SW6010C
Arsenic	2.8	0.8	mg/Kg	03/03/15	LK	SW6010C
Barium	57.6	0.39	mg/Kg	03/03/15	LK	SW6010C
Beryllium	< 0.31	0.31	mg/Kg	03/03/15	LK	SW6010C
Calcium	37000	58	mg/Kg	03/04/15	LK	SW6010C
Cadmium	< 0.39	0.39	mg/Kg	03/03/15	LK	SW6010C
Cobalt	8.80	0.39	mg/Kg	03/03/15	LK	SW6010C
Chromium	17.0	0.39	mg/Kg	03/03/15	LK	SW6010C
Copper	72.0	0.39	mg/kg	03/03/15	LK	SW6010C
Iron	18300	58	mg/Kg	03/04/15	LK	SW6010C
Mercury	0.03	0.03	mg/Kg	03/03/15	MA	SW7471B
Potassium	1940	5.8	mg/Kg	03/03/15	LK	SW6010C
Magnesium	15000	58	mg/Kg	03/04/15	LK	SW6010C
Manganese	201	3.9	mg/Kg	03/04/15	LK	SW6010C
Sodium	414	5.8	mg/Kg	03/03/15	LK	SW6010C
Nickel	13.8	0.39	mg/Kg	03/03/15	LK	SW6010C
Lead	28.0	0.39	mg/Kg	03/03/15	LK	SW6010C
Antimony	< 3.9	3.9	mg/Kg	03/03/15	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	03/03/15	LK	SW6010C
Thallium	< 3.5	3.5	mg/Kg	03/03/15	LK	SW6010C
Vanadium	40.4	0.39	mg/Kg	03/03/15	LK	SW6010C
Zinc	49.1	0.39	mg/Kg	03/03/15	LK	SW6010C
Percent Solid	88		%	03/02/15	i	SW846-%Solid
Total Cyanide	< 0.57	0.57	mg/Kg	03/02/15	O/EG	SW9010C/SW90
Soil Extraction for PCB	Completed			03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed			03/03/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1221	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1232	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1242	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1248	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1254	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1260	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1262	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1268	ND	74	ug/Kg	03/03/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	86		%	03/03/15	AW	30 - 150 %
% TCMX	84		%	03/03/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
2-Hexanone	ND	29	ug/kg	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/kg	03/03/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/03/15	JLI	SW8260C
Benzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Bromochloromethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Bromodichloromethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Bromoform	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Bromomethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Carbon Disulfide	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Chlorobenzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Chloroethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Chloroform	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Chloromethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Cyclohexane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Dibromochloromethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Isopropylbenzene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
m&p-Xylene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND	35	ug/kg	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	03/03/15	JLI	SW8260C
Methylacetate	ND	4.6	ug/kg	03/03/15	JLI	SW8260C
Methylcyclohexane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Methylene chloride	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
o-Xylene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Styrene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Tetrachloroethene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Toluene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Total Xylenes	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Trichloroethene	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
Vinyl chloride	ND	5.8	ug/kg	03/03/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	99		%	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	94		%	03/03/15	JLI	70 - 130 %
% Toluene-d8	96		%	03/03/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/03/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	2600	ug/Kg	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND	6000	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2-Chlorophenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2-Methylnaphthalene	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	2600	ug/Kg	03/03/15	DD	SW8270D
2-Nitroaniline	ND	6000	ug/Kg	03/03/15	DD	SW8270D
2-Nitrophenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	3700	ug/Kg	03/03/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	4500	ug/Kg	03/03/15	DD	SW8270D
3-Nitroaniline	ND	6000	ug/Kg	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	11000	ug/Kg	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	3700	ug/Kg	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 4-6

Phoenix I.D.: BH78386

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
4-Chloroaniline	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
4-Nitroaniline	ND	6000	ug/Kg	03/03/15	DD	SW8270D	
4-Nitrophenol	ND	11000	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthylene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Acetophenone	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Anthracene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Atrazine	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Benz(a)anthracene	2800	2600	ug/Kg	03/03/15	DD	SW8270D	
Benzaldehyde	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Benzo(a)pyrene	3400	2600	ug/Kg	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	4000	2600	ug/Kg	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	3700	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	2600	ug/Kg	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Caprolactam	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Carbazole	ND	11000	ug/Kg	03/03/15	DD	SW8270D	
Chrysene	2900	2600	ug/Kg	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Dibenzofuran	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Diethyl phthalate	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Dimethylphthalate	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Fluoranthene	6700	2600	ug/Kg	03/03/15	DD	SW8270D	
Fluorene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Hexachloroethane	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Isophorone	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Naphthalene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Nitrobenzene	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	3700	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	3700	ug/Kg	03/03/15	DD	SW8270D	
Pentachlorophenol	ND	3700	ug/Kg	03/03/15	DD	SW8270D	
Phenanthrene	3600	2600	ug/Kg	03/03/15	DD	SW8270D	
Phenol	ND	2600	ug/Kg	03/03/15	DD	SW8270D	
Pyrene	5400	2600	ug/Kg	03/03/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	Diluted Out		%	03/03/15	DD	30 - 130 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 4-6

Phoenix I.D.: BH78386

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	Diluted Out		%	03/03/15	DD	30 - 130 %
% 2-Fluorophenol	Diluted Out		%	03/03/15	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	03/03/15	DD	30 - 130 %
% Phenol-d5	Diluted Out		%	03/03/15	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	03/03/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/04/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

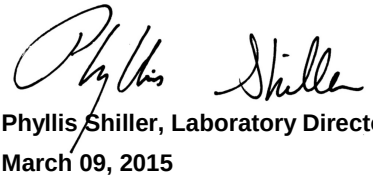
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78387

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 21-23

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	03/03/15	LK	SW6010C
Aluminum	3670	54	mg/Kg	03/03/15	EK	SW6010C
Arsenic	3.2	0.7	mg/Kg	03/03/15	LK	SW6010C
Barium	29.3	0.36	mg/Kg	03/03/15	LK	SW6010C
Beryllium	< 0.29	0.29	mg/Kg	03/03/15	LK	SW6010C
Calcium	86900	54	mg/Kg	03/03/15	EK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	03/03/15	LK	SW6010C
Cobalt	4.61	0.36	mg/Kg	03/03/15	LK	SW6010C
Chromium	16.6	0.36	mg/Kg	03/03/15	LK	SW6010C
Copper	17.7	0.36	mg/kg	03/03/15	LK	SW6010C
Iron	8550	5.4	mg/Kg	03/03/15	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	03/03/15	MA	SW7471B
Potassium	1610	5.4	mg/Kg	03/03/15	LK	SW6010C
Magnesium	48600	54	mg/Kg	03/03/15	EK	SW6010C
Manganese	165	3.6	mg/Kg	03/03/15	EK	SW6010C
Sodium	261	5.4	mg/Kg	03/03/15	LK	SW6010C
Nickel	11.4	0.36	mg/Kg	03/03/15	LK	SW6010C
Lead	37.5	0.36	mg/Kg	03/03/15	LK	SW6010C
Antimony	< 3.6	3.6	mg/Kg	03/03/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/03/15	LK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	03/03/15	LK	SW6010C
Vanadium	33.8	0.36	mg/Kg	03/03/15	LK	SW6010C
Zinc	36.9	0.36	mg/Kg	03/03/15	LK	SW6010C
Percent Solid	85		%	03/02/15	i	SW846-%Solid
Total Cyanide	< 0.59	0.59	mg/Kg	03/04/15	O/B/E	SW9010C/SW90
Soil Extraction for PCB	Completed			03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed			03/03/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	77	ug/Kg	03/03/15	AW	SW8082A
PCB-1221	ND	77	ug/Kg	03/03/15	AW	SW8082A
PCB-1232	ND	77	ug/Kg	03/03/15	AW	SW8082A
PCB-1242	ND	77	ug/Kg	03/03/15	AW	SW8082A
PCB-1248	ND	77	ug/Kg	03/03/15	AW	SW8082A
PCB-1254	ND	77	ug/Kg	03/03/15	AW	SW8082A
PCB-1260	ND	77	ug/Kg	03/03/15	AW	SW8082A
PCB-1262	ND	77	ug/Kg	03/03/15	AW	SW8082A
PCB-1268	ND	77	ug/Kg	03/03/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	86		%	03/03/15	AW	30 - 150 %
% TCMX	84		%	03/03/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
2-Hexanone	ND	30	ug/kg	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/kg	03/03/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/03/15	JLI	SW8260C
Benzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Bromochloromethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Bromodichloromethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Bromoform	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Bromomethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Carbon Disulfide	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Chlorobenzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Chloroethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Chloroform	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Chloromethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Cyclohexane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Dibromochloromethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Isopropylbenzene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
m&p-Xylene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND	36	ug/kg	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	03/03/15	JLI	SW8260C
Methylacetate	ND	4.8	ug/kg	03/03/15	JLI	SW8260C
Methylcyclohexane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Methylene chloride	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
o-Xylene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Styrene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Tetrachloroethene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Toluene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Total Xylenes	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Trichloroethene	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
Vinyl chloride	ND	6.1	ug/kg	03/03/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	100		%	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	97		%	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	74		%	03/03/15	JLI	70 - 130 %
% Toluene-d8	97		%	03/03/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/03/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	2700	ug/Kg	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND	6200	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2-Chlorophenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2-Methylnaphthalene	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	2700	ug/Kg	03/03/15	DD	SW8270D
2-Nitroaniline	ND	6200	ug/Kg	03/03/15	DD	SW8270D
2-Nitrophenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	3900	ug/Kg	03/03/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	4700	ug/Kg	03/03/15	DD	SW8270D
3-Nitroaniline	ND	6200	ug/Kg	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	11000	ug/Kg	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	3900	ug/Kg	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 21-23

Phoenix I.D.: BH78387

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
4-Chloroaniline	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
4-Nitroaniline	ND	6200	ug/Kg	03/03/15	DD	SW8270D	
4-Nitrophenol	ND	11000	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthylene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Acetophenone	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Anthracene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Atrazine	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Benz(a)anthracene	3700	2700	ug/Kg	03/03/15	DD	SW8270D	
Benzaldehyde	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Benzo(a)pyrene	3000	2700	ug/Kg	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	3900	2700	ug/Kg	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	3900	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	2700	ug/Kg	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Caprolactam	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Carbazole	ND	11000	ug/Kg	03/03/15	DD	SW8270D	
Chrysene	3300	2700	ug/Kg	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Dibenzofuran	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Diethyl phthalate	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Dimethylphthalate	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Fluoranthene	9100	2700	ug/Kg	03/03/15	DD	SW8270D	
Fluorene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Hexachloroethane	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Isophorone	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Naphthalene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Nitrobenzene	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	3900	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	3900	ug/Kg	03/03/15	DD	SW8270D	
Pentachlorophenol	ND	3900	ug/Kg	03/03/15	DD	SW8270D	
Phenanthrene	6500	2700	ug/Kg	03/03/15	DD	SW8270D	
Phenol	ND	2700	ug/Kg	03/03/15	DD	SW8270D	
Pyrene	7400	2700	ug/Kg	03/03/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	Diluted Out		%	03/03/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	Diluted Out		%	03/03/15	DD	30 - 130 %
% 2-Fluorophenol	Diluted Out		%	03/03/15	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	03/03/15	DD	30 - 130 %
% Phenol-d5	Diluted Out		%	03/03/15	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	03/03/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/04/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

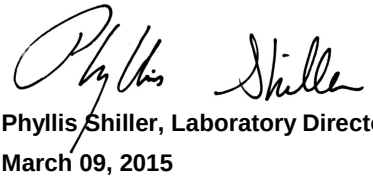
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78388

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 2-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	03/03/15	LK	SW6010C
Aluminum	7340	58	mg/Kg	03/03/15	EK	SW6010C
Arsenic	4.7	0.8	mg/Kg	03/03/15	LK	SW6010C
Barium	195	0.39	mg/Kg	03/03/15	LK	SW6010C
Beryllium	< 0.31	0.31	mg/Kg	03/03/15	LK	SW6010C
Calcium	108000	58	mg/Kg	03/03/15	EK	SW6010C
Cadmium	< 0.39	0.39	mg/Kg	03/03/15	LK	SW6010C
Cobalt	4.69	0.39	mg/Kg	03/03/15	LK	SW6010C
Chromium	12.9	0.39	mg/Kg	03/03/15	LK	SW6010C
Copper	37.7	0.39	mg/kg	03/03/15	LK	SW6010C
Iron	18800	58	mg/Kg	03/03/15	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	03/03/15	MA	SW7471B
Potassium	1520	5.8	mg/Kg	03/03/15	LK	SW6010C
Magnesium	66500	580	mg/Kg	03/04/15	LK	SW6010C
Manganese	282	3.9	mg/Kg	03/03/15	EK	SW6010C
Sodium	101	5.8	mg/Kg	03/03/15	LK	SW6010C
Nickel	10.7	0.39	mg/Kg	03/03/15	LK	SW6010C
Lead	30.3	0.39	mg/Kg	03/03/15	LK	SW6010C
Antimony	< 3.9	3.9	mg/Kg	03/03/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/03/15	LK	SW6010C
Thallium	< 3.5	3.5	mg/Kg	03/03/15	LK	SW6010C
Vanadium	17.6	0.39	mg/Kg	03/03/15	LK	SW6010C
Zinc	229	3.9	mg/Kg	03/03/15	EK	SW6010C
Percent Solid	90		%	03/02/15	i	SW846-%Solid
Total Cyanide	1.66	0.56	mg/Kg	03/04/15	O/B/E	SW9010C/SW90
Soil Extraction for PCB	Completed			03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed			03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 2-4

Phoenix I.D.: BH78388

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1221	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1232	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1242	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1248	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1254	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1260	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1262	ND	74	ug/Kg	03/03/15	AW	SW8082A
PCB-1268	ND	74	ug/Kg	03/03/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	78		%	03/03/15	AW	30 - 150 %
% TCMX	82		%	03/03/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
2-Hexanone	ND	28	ug/kg	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/kg	03/03/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/03/15	JLI	SW8260C
Benzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Bromochloromethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Bromodichloromethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Bromoform	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Bromomethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Carbon Disulfide	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Chlorobenzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Chloroethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Chloroform	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Chloromethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Cyclohexane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Dibromochloromethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Isopropylbenzene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
m&p-Xylene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND	33	ug/kg	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	03/03/15	JLI	SW8260C
Methylacetate	ND	4.4	ug/kg	03/03/15	JLI	SW8260C
Methylcyclohexane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Methylene chloride	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
o-Xylene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Styrene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Tetrachloroethene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Toluene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Total Xylenes	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Trichloroethene	330	290	ug/kg	03/03/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
Vinyl chloride	ND	5.6	ug/kg	03/03/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	96		%	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	91		%	03/03/15	JLI	70 - 130 %
% Toluene-d8	99		%	03/03/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/03/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	260	ug/Kg	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND	590	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Nitroaniline	ND	590	ug/Kg	03/03/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	03/03/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	440	ug/Kg	03/03/15	DD	SW8270D
3-Nitroaniline	ND	590	ug/Kg	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	03/03/15	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	260	ug/Kg	03/03/15	DD	SW8270D	
4-Chloroaniline	ND	260	ug/Kg	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	03/03/15	DD	SW8270D	
4-Nitroaniline	ND	590	ug/Kg	03/03/15	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthylene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Acetophenone	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Anthracene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Atrazine	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benz(a)anthracene	270	260	ug/Kg	03/03/15	DD	SW8270D	
Benzaldehyde	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzo(a)pyrene	260	260	ug/Kg	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	350	260	ug/Kg	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	900	260	ug/Kg	03/03/15	DD	SW8270D	
Caprolactam	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	03/03/15	DD	SW8270D	
Chrysene	300	260	ug/Kg	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Dibenzofuran	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Diethyl phthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Dimethylphthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Fluoranthene	670	260	ug/Kg	03/03/15	DD	SW8270D	
Fluorene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Hexachloroethane	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Isophorone	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Naphthalene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Nitrobenzene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	370	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	370	ug/Kg	03/03/15	DD	SW8270D	
Pentachlorophenol	ND	370	ug/Kg	03/03/15	DD	SW8270D	
Phenanthrene	460	260	ug/Kg	03/03/15	DD	SW8270D	
Phenol	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Pyrene	540	260	ug/Kg	03/03/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	73		%	03/03/15	DD	30 - 130 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 2-4

Phoenix I.D.: BH78388

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	75		%	03/03/15	DD	30 - 130 %
% 2-Fluorophenol	63		%	03/03/15	DD	30 - 130 %
% Nitrobenzene-d5	71		%	03/03/15	DD	30 - 130 %
% Phenol-d5	69		%	03/03/15	DD	30 - 130 %
% Terphenyl-d14	88		%	03/03/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/03/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

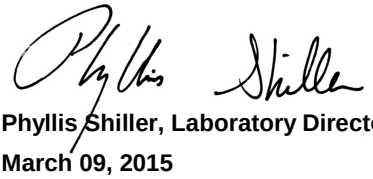
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78389

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 20-22

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	03/03/15	LK	SW6010C
Aluminum	5740	50	mg/Kg	03/03/15	EK	SW6010C
Arsenic	0.9	0.7	mg/Kg	03/03/15	LK	SW6010C
Barium	17.0	0.34	mg/Kg	03/03/15	LK	SW6010C
Beryllium	< 0.27	0.27	mg/Kg	03/03/15	LK	SW6010C
Calcium	168000	5000	mg/Kg	03/04/15	LK	SW6010C
Cadmium	< 0.34	0.34	mg/Kg	03/03/15	LK	SW6010C
Cobalt	2.68	0.34	mg/Kg	03/03/15	LK	SW6010C
Chromium	7.23	0.34	mg/Kg	03/03/15	LK	SW6010C
Copper	4.26	0.34	mg/kg	03/03/15	LK	SW6010C
Iron	5030	5.0	mg/Kg	03/03/15	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	03/03/15	MA	SW7471B
Potassium	353	5.0	mg/Kg	03/03/15	LK	SW6010C
Magnesium	83800	5000	mg/Kg	03/04/15	LK	SW6010C
Manganese	136	3.4	mg/Kg	03/03/15	EK	SW6010C
Sodium	31.9	5.0	mg/Kg	03/03/15	LK	SW6010C
Nickel	5.77	0.34	mg/Kg	03/03/15	LK	SW6010C
Lead	5.13	0.34	mg/Kg	03/03/15	LK	SW6010C
Antimony	< 3.4	3.4	mg/Kg	03/03/15	LK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	03/03/15	LK	SW6010C
Thallium	< 3.0	3.0	mg/Kg	03/03/15	LK	SW6010C
Vanadium	8.82	0.34	mg/Kg	03/03/15	LK	SW6010C
Zinc	158	3.4	mg/Kg	03/03/15	EK	SW6010C
Percent Solid	91		%	03/02/15	i	SW846-%Solid
Total Cyanide	2.93	0.50	mg/Kg	03/04/15	O/B/E	SW9010C/SW90
Soil Extraction for PCB	Completed			03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed			03/03/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	71	ug/Kg	03/03/15	AW	SW8082A
PCB-1221	ND	71	ug/Kg	03/03/15	AW	SW8082A
PCB-1232	ND	71	ug/Kg	03/03/15	AW	SW8082A
PCB-1242	ND	71	ug/Kg	03/03/15	AW	SW8082A
PCB-1248	ND	71	ug/Kg	03/03/15	AW	SW8082A
PCB-1254	ND	71	ug/Kg	03/03/15	AW	SW8082A
PCB-1260	ND	71	ug/Kg	03/03/15	AW	SW8082A
PCB-1262	ND	71	ug/Kg	03/03/15	AW	SW8082A
PCB-1268	ND	71	ug/Kg	03/03/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	53		%	03/03/15	AW	30 - 150 %
% TCMX	59		%	03/03/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
2-Hexanone	ND	22	ug/kg	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	ug/kg	03/03/15	JLI	SW8260C
Acetone	ND	43	ug/kg	03/03/15	JLI	SW8260C
Benzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Bromochloromethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Bromodichloromethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Bromoform	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Bromomethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Carbon Disulfide	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Chlorobenzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Chloroethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Chloroform	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Chloromethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Cyclohexane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Dibromochloromethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Isopropylbenzene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
m&p-Xylene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND	26	ug/kg	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.7	ug/kg	03/03/15	JLI	SW8260C
Methylacetate	ND	3.5	ug/kg	03/03/15	JLI	SW8260C
Methylcyclohexane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Methylene chloride	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
o-Xylene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Styrene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Tetrachloroethene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Toluene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Total Xylenes	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Trichloroethene	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Trichlorofluoromethane	ND	10	ug/kg	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
Vinyl chloride	ND	4.3	ug/kg	03/03/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	100		%	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	98		%	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	100		%	03/03/15	JLI	70 - 130 %
% Toluene-d8	97		%	03/03/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	87	ug/kg	03/03/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	260	ug/Kg	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND	580	ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	03/03/15	DD	SW8270D
2-Nitroaniline	ND	580	ug/Kg	03/03/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	03/03/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	440	ug/Kg	03/03/15	DD	SW8270D
3-Nitroaniline	ND	580	ug/Kg	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	360	ug/Kg	03/03/15	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	260	ug/Kg	03/03/15	DD	SW8270D	
4-Chloroaniline	ND	260	ug/Kg	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	03/03/15	DD	SW8270D	
4-Nitroaniline	ND	580	ug/Kg	03/03/15	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Acenaphthylene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Acetophenone	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Anthracene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Atrazine	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benz(a)anthracene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzaldehyde	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzo(a)pyrene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	290	260	ug/Kg	03/03/15	DD	SW8270D	
Caprolactam	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	03/03/15	DD	SW8270D	
Chrysene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Dibenzofuran	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Diethyl phthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Dimethylphthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Fluoranthene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Fluorene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Hexachloroethane	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Isophorone	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Naphthalene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Nitrobenzene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	360	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	360	ug/Kg	03/03/15	DD	SW8270D	
Pentachlorophenol	ND	360	ug/Kg	03/03/15	DD	SW8270D	
Phenanthrene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Phenol	ND	260	ug/Kg	03/03/15	DD	SW8270D	
Pyrene	ND	260	ug/Kg	03/03/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	89		%	03/03/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	74		%	03/03/15	DD	30 - 130 %
% 2-Fluorophenol	61		%	03/03/15	DD	30 - 130 %
% Nitrobenzene-d5	63		%	03/03/15	DD	30 - 130 %
% Phenol-d5	68		%	03/03/15	DD	30 - 130 %
% Terphenyl-d14	102		%	03/03/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/03/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

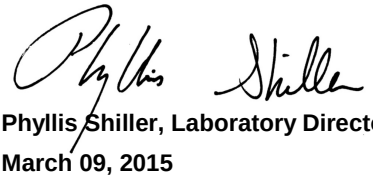
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-12 4-6

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78384

Sample wt/vol: 15.23 (g/mL) g Lab File ID: 0303_21.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 18 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	5.481	5600	JN
000629-50-5	Tridecane	6.781	7600	JN
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	7.439	3200	JN
	Unknown	7.939	4200	JN
	Unknown	8.986	6500	JN
061142-20-9	Cyclohexane, (4-methylpentyl)-	9.463	3300	JN
000629-59-4	Tetradecane	9.939	11000	JN
031081-17-1	Nonane, 2-methyl-5-propyl-	10.469	3800	JN
024251-86-3	Dodecane, 5,8-diethyl-	12.004	3500	JN
000629-78-7	Heptadecane	12.427	8100	JN
000629-97-0	Docosane	13.163	5400	JN
	Unknown	13.863	4700	JN
	Unknown	14.021	3800	JN
000112-95-8	Eicosane	14.527	4300	JN
	Unknown	15.774	3300	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-12 28-30

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78385

Sample wt/vol: 15.44 (g/mL) g Lab File ID: 0302_17.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 16 decanted:(Y/N) NA Date Extracted: 03/02/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/2/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.775	1700	JN
	Unknown	14.380	370	JN
	Unknown	14.415	570	JN
000629-97-0	Docosane	15.933	340	JN
007225-66-3	Tridecane, 7-hexyl-	16.521	420	JN
000112-95-8	Eicosane	17.086	740	JN
000630-03-5	Nonacosane	17.621	590	JN
013475-75-7	Pentadecane, 8-hexyl-	18.156	520	JN
055124-79-3	Heptadecane, 9-hexyl-	18.709	790	JN
007225-64-1	Heptadecane, 9-octyl-	19.145	510	JN
007098-22-8	Tetratetracontane	19.515	680	JN
000192-97-2	Benzo[e]pyrene	19.592	460	JN
055282-14-9	Docosane, 9-butyl-	19.844	480	JN
000629-94-7	Heneicosane	20.197	520	JN
	Unknown	20.662	330	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-11 4-6

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78386

Sample wt/vol: 15.24 (g/mL) g Lab File ID: 0303_22.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 12 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 10

Injection Volume: 2 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-11 21-23

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78387

Sample wt/vol: 15.12 (g/mL) g Lab File ID: 0303_23.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 15 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 10

Injection Volume: 2 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-8 2-4

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78388

Sample wt/vol: 15.02 (g/mL) g Lab File ID: 0302_18.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 10 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.769	1300	JNA
	Unknown	19.086	300	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-8 20-22

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78389

Sample wt/vol: 15.08 (g/mL) g Lab File ID: 0302_20.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 9 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.769	910	JNA
	Unknown	19.086	540	JN

FORM I SEMIVOA-TIC

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300603, QC Sample No: BH78166 (BH78384, BH78385, BH78386, BH78387, BH78388, BH78389)													
Mercury - Soil	BRL	<0.03	<0.03	NC	97.0	101	4.0	105	98.8	6.1	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 300557, QC Sample No: BH78307 (BH78384, BH78385, BH78386, BH78387, BH78388, BH78389)													
ICP Metals - Soil													
Aluminum	BRL	5790	6480	11.2	103	99.1	3.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<1.8	<3.6	NC	105	110	4.7	88.6	90.4	2.0	75 - 125	30	
Arsenic	BRL	1.3	1.47	NC	99.2	97.0	2.2	92.0	94.5	2.7	75 - 125	30	
Barium	BRL	62.5	49.3	23.6	111	112	0.9	91.1	94.3	3.5	75 - 125	30	
Beryllium	BRL	0.31	0.33	NC	103	101	2.0	96.6	94.6	2.1	75 - 125	30	
Cadmium	BRL	<0.36	<0.36	NC	88.6	89.6	1.1	92.6	95.9	3.5	75 - 125	30	
Calcium	BRL	310	385	21.6	103	102	1.0	>130	>130	NC	75 - 125	30	m
Chromium	BRL	12.2	13.3	8.60	103	106	2.9	103	104	1.0	75 - 125	30	
Cobalt	BRL	5.19	6.00	14.5	88.1	89.9	2.0	96.4	99.4	3.1	75 - 125	30	
Copper	BRL	10.7	11.4	6.30	95.1	94.8	0.3	104	107	2.8	75 - 125	30	
Iron	BRL	13500	16000	16.9	87.9	90.3	2.7	NC	NC	NC	75 - 125	30	
Lead	BRL	4.6	4.32	6.30	91.5	93.9	2.6	93.6	96.8	3.4	75 - 125	30	
Magnesium	BRL	1310	1530	15.5	103	102	1.0	NC	NC	NC	75 - 125	30	
Manganese	BRL	503	462	8.50	111	110	0.9	105	65.4	46.5	75 - 125	30	m,r
Nickel	BRL	8.91	9.24	3.60	101	102	1.0	96.1	99.4	3.4	75 - 125	30	
Potassium	BRL	686	653	4.90	96.4	90.9	5.9	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.4	<1.4	NC	87.8	89.2	1.6	79.3	82.1	3.5	75 - 125	30	
Silver	BRL	<0.36	<0.36	NC	102	103	1.0	96.9	100	3.1	75 - 125	30	
Sodium	BRL	414	459	10.3	109	103	5.7	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<1.4	<3.2	NC	100	101	1.0	94.8	98.0	3.3	75 - 125	30	
Vanadium	BRL	20.2	22.7	11.7	110	115	4.4	104	105	1.0	75 - 125	30	
Zinc	BRL	19.2	21.1	9.40	91.8	91.7	0.1	95.6	98.4	2.9	75 - 125	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300565, QC Sample No: BH78151 (BH78384, BH78385, BH78386)												
Total Cyanide	BRL	<0.58	<0.53	NC	96.7			90.0			85 - 115	30
QA/QC Batch 300799, QC Sample No: BH78389 (BH78387, BH78388, BH78389)												
Total Cyanide	BRL	2.93	3.36	13.7	103			101			85 - 115	30

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300444, QC Sample No: BH77859 (BH78384, BH78385, BH78386, BH78387, BH78388, BH78389)										
Semivolatiles - Solid										
1,1-Biphenyl	ND	76	79	3.9	84	83	1.2	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	82	6.3	84	86	2.4	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	94	98	4.2	104	104	0.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	88	92	4.4	98	98	0.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	87	91	4.5	94	94	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	82	88	7.1	89	91	2.2	30 - 130	30	
2,4-Dimethylphenol	ND	78	80	2.5	81	77	5.1	30 - 130	30	
2,4-Dinitrophenol	ND	26	31	17.5	18	21	15.4	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	88	90	2.2	94	94	0.0	30 - 130	30	
2,6-Dinitrotoluene	ND	86	90	4.5	94	94	0.0	30 - 130	30	
2-Chloronaphthalene	ND	77	81	5.1	85	85	0.0	30 - 130	30	
2-Chlorophenol	ND	75	81	7.7	83	84	1.2	30 - 130	30	
2-Methylnaphthalene	ND	80	85	6.1	87	89	2.3	30 - 130	30	
2-Methylphenol (o-cresol)	ND	74	79	6.5	79	80	1.3	30 - 130	30	
2-Nitroaniline	ND	89	95	6.5	86	91	5.6	30 - 130	30	
2-Nitrophenol	ND	79	84	6.1	88	90	2.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	82	87	5.9	86	88	2.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	76	82	7.6	77	78	1.3	30 - 130	30	
3-Nitroaniline	ND	85	89	4.6	87	92	5.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	49	57	15.1	75	78	3.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	81	85	4.8	92	90	2.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	88	93	5.5	94	96	2.1	30 - 130	30	
4-Chloroaniline	ND	74	77	4.0	76	77	1.3	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	81	84	3.6	88	87	1.1	30 - 130	30	
4-Nitroaniline	ND	85	90	5.7	92	93	1.1	30 - 130	30	
4-Nitrophenol	ND	93	100	7.3	97	98	1.0	30 - 130	30	
Acenaphthene	ND	84	88	4.7	91	90	1.1	30 - 130	30	
Acenaphthylene	ND	78	81	3.8	85	84	1.2	30 - 130	30	
Acetophenone	ND	78	83	6.2	84	86	2.4	30 - 130	30	
Anthracene	ND	81	87	7.1	91	89	2.2	30 - 130	30	
Atrazine	ND	80	82	2.5	91	82	10.4	30 - 130	30	
Benz(a)anthracene	ND	84	89	5.8	90	90	0.0	30 - 130	30	
Benzaldehyde	ND	53	63	17.2	125	141	12.0	30 - 130	30	m
Benzo(a)pyrene	ND	81	86	6.0	89	89	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	78	82	5.0	88	85	3.5	30 - 130	30	
Benzo(ghi)perylene	ND	90	96	6.5	101	99	2.0	30 - 130	30	
Benzo(k)fluoranthene	ND	81	87	7.1	88	89	1.1	30 - 130	30	
Benzyl butyl phthalate	ND	85	88	3.5	97	92	5.3	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	80	83	3.7	86	86	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	64	68	6.1	68	71	4.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	66	70	5.9	72	73	1.4	30 - 130	30	

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bis(2-ethylhexyl)phthalate	ND	85	88	3.5	96	91	5.3	30 - 130	30
Caprolactam	ND	78	80	2.5	87	87	0.0	30 - 130	30
Carbazole	ND	84	89	5.8	92	87	5.6	30 - 130	30
Chrysene	ND	88	93	5.5	95	96	1.0	30 - 130	30
Dibenz(a,h)anthracene	ND	89	95	6.5	101	98	3.0	30 - 130	30
Dibenzofuran	ND	83	88	5.8	90	90	0.0	30 - 130	30
Diethyl phthalate	ND	85	85	0.0	91	89	2.2	30 - 130	30
Dimethylphthalate	ND	83	85	2.4	91	89	2.2	30 - 130	30
Di-n-butylphthalate	ND	77	80	3.8	88	80	9.5	30 - 130	30
Di-n-octylphthalate	ND	90	95	5.4	97	97	0.0	30 - 130	30
Fluoranthene	ND	79	85	7.3	90	86	4.5	30 - 130	30
Fluorene	ND	82	85	3.6	89	88	1.1	30 - 130	30
Hexachlorobenzene	ND	79	82	3.7	90	84	6.9	30 - 130	30
Hexachlorobutadiene	ND	74	77	4.0	82	82	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	90	100	10.5	91	102	11.4	30 - 130	30
Hexachloroethane	ND	66	71	7.3	72	73	1.4	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	89	96	7.6	101	99	2.0	30 - 130	30
Isophorone	ND	75	77	2.6	81	80	1.2	30 - 130	30
Naphthalene	ND	74	80	7.8	81	83	2.4	30 - 130	30
Nitrobenzene	ND	73	79	7.9	79	82	3.7	30 - 130	30
N-Nitrosodimethylamine	ND	58	62	6.7	63	63	0.0	30 - 130	30
N-Nitrosodi-n-propylamine	ND	76	80	5.1	82	83	1.2	30 - 130	30
N-Nitrosodiphenylamine	ND	85	87	2.3	89	91	2.2	30 - 130	30
Pentachlorophenol	ND	104	114	9.2	127	124	2.4	30 - 130	30
Phenanthrene	ND	82	86	4.8	91	88	3.4	30 - 130	30
Phenol	ND	71	77	8.1	77	79	2.6	30 - 130	30
Pyrene	ND	79	83	4.9	90	85	5.7	30 - 130	30
% 2,4,6-Tribromophenol	100	83	88	5.8	92	91	1.1	30 - 130	30
% 2-Fluorobiphenyl	77	75	79	5.2	83	83	0.0	30 - 130	30
% 2-Fluorophenol	64	70	75	6.9	76	77	1.3	30 - 130	30
% Nitrobenzene-d5	67	71	78	9.4	77	80	3.8	30 - 130	30
% Phenol-d5	70	73	79	7.9	79	81	2.5	30 - 130	30
% Terphenyl-d14	88	84	90	6.9	98	93	5.2	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 300456, QC Sample No: BH78084 (BH78384, BH78385, BH78386, BH78387, BH78388, BH78389)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	95	95	0.0	92	89	3.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	99	99	0.0	96	95	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	83	103	102	1.0	99	97	2.0	30 - 150	30
% TCMX (Surrogate Rec)	69	102	102	0.0	94	92	2.2	30 - 150	30

QA/QC Batch 300701, QC Sample No: BH78389 (BH78385, BH78386, BH78387, BH78388 (1X, 38X) , BH78389)

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	119	123	3.3	115	114	0.9	70 - 130	30

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2,2-Tetrachloroethane	ND	121	122	0.8	95	104	9.0	70 - 130	30	
1,1,2-Trichloroethane	ND	116	117	0.9	106	110	3.7	70 - 130	30	
1,1-Dichloroethane	ND	120	121	0.8	116	116	0.0	70 - 130	30	
1,1-Dichloroethene	ND	125	123	1.6	119	114	4.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	107	108	0.9	85	91	6.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	105	106	0.9	82	88	7.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	116	117	0.9	91	106	15.2	70 - 130	30	
1,2-Dibromoethane	ND	118	120	1.7	107	111	3.7	70 - 130	30	
1,2-Dichlorobenzene	ND	107	109	1.9	96	99	3.1	70 - 130	30	
1,2-Dichloroethane	ND	115	117	1.7	105	109	3.7	70 - 130	30	
1,2-Dichloropropane	ND	121	122	0.8	117	117	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	107	110	2.8	98	100	2.0	70 - 130	30	
1,4-Dichlorobenzene	ND	113	114	0.9	102	104	1.9	70 - 130	30	
1,4-dioxane	ND	108	116	7.1	141	113	22.0	70 - 130	30	m
2-Hexanone	ND	105	106	0.9	94	102	8.2	70 - 130	30	
4-Methyl-2-pentanone	ND	113	117	3.5	100	112	11.3	70 - 130	30	
Acetone	ND	108	104	3.8	77	88	13.3	70 - 130	30	
Benzene	ND	119	120	0.8	116	114	1.7	70 - 130	30	
Bromochloromethane	ND	122	120	1.7	109	112	2.7	70 - 130	30	
Bromodichloromethane	ND	124	125	0.8	111	113	1.8	70 - 130	30	
Bromoform	ND	115	116	0.9	94	101	7.2	70 - 130	30	
Bromomethane	ND	111	114	2.7	117	118	0.9	70 - 130	30	
Carbon Disulfide	ND	145	147	1.4	123	119	3.3	70 - 130	30	I
Carbon tetrachloride	ND	118	121	2.5	111	111	0.0	70 - 130	30	
Chlorobenzene	ND	114	115	0.9	105	105	0.0	70 - 130	30	
Chloroethane	ND	107	107	0.0	116	112	3.5	70 - 130	30	
Chloroform	ND	119	120	0.8	114	114	0.0	70 - 130	30	
Chloromethane	ND	117	120	2.5	124	122	1.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	122	122	0.0	116	116	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	127	129	1.6	113	116	2.6	70 - 130	30	
Cyclohexane	ND	109	110	0.9	121	118	2.5	70 - 130	30	
Dibromochloromethane	ND	117	120	2.5	100	104	3.9	70 - 130	30	
Dichlorodifluoromethane	ND	120	118	1.7	129	124	4.0	70 - 130	30	
Ethylbenzene	ND	116	116	0.0	110	109	0.9	70 - 130	30	
Isopropylbenzene	ND	107	110	2.8	108	108	0.0	70 - 130	30	
m&p-Xylene	ND	114	113	0.9	109	107	1.9	70 - 130	30	
Methyl ethyl ketone	ND	105	109	3.7	93	98	5.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	114	117	2.6	102	107	4.8	70 - 130	30	
Methylacetate	ND	117	119	1.7	102	111	8.5	70 - 130	30	
Methylcyclohexane	ND	107	108	0.9	114	111	2.7	70 - 130	30	
Methylene chloride	ND	116	116	0.0	83	104	22.5	70 - 130	30	
o-Xylene	ND	116	116	0.0	110	111	0.9	70 - 130	30	
Styrene	ND	114	116	1.7	107	108	0.9	70 - 130	30	
Tetrachloroethene	ND	112	113	0.9	105	105	0.0	70 - 130	30	
Toluene	ND	118	119	0.8	114	114	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	126	127	0.8	119	117	1.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	130	129	0.8	109	115	5.4	70 - 130	30	
Trichloroethene	ND	118	118	0.0	118	115	2.6	70 - 130	30	
Trichlorofluoromethane	ND	118	119	0.8	105	102	2.9	70 - 130	30	
Trichlorotrifluoroethane	ND	123	119	3.3	117	112	4.4	70 - 130	30	
Vinyl chloride	ND	114	121	6.0	125	120	4.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	102	3.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	98	104	103	1.0	103	102	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Dibromofluoromethane	99	98	100	2.0	95	98	3.1	70 - 130	30	
% Toluene-d8	97	101	101	0.0	102	101	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 300840, QC Sample No: BH78836 (BH78384)

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	102	111	8.5	112	103	8.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	116	124	6.7	136	108	23.0	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	105	7.9	106	94	12.0	70 - 130	30	
1,1-Dichloroethane	ND	105	112	6.5	114	105	8.2	70 - 130	30	
1,1-Dichloroethene	ND	105	114	8.2	114	101	12.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	100	110	9.5	94	77	19.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	109	10.6	95	77	20.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	105	113	7.3	123	95	25.7	70 - 130	30	
1,2-Dibromoethane	ND	98	106	7.8	105	94	11.1	70 - 130	30	
1,2-Dichlorobenzene	ND	102	112	9.3	111	91	19.8	70 - 130	30	
1,2-Dichloroethane	ND	97	105	7.9	103	93	10.2	70 - 130	30	
1,2-Dichloropropane	ND	104	112	7.4	111	103	7.5	70 - 130	30	
1,3-Dichlorobenzene	ND	100	112	11.3	112	93	18.5	70 - 130	30	
1,4-Dichlorobenzene	ND	106	118	10.7	119	97	20.4	70 - 130	30	
1,4-dioxane	ND	109	103	5.7	119	110	7.9	70 - 130	30	
2-Hexanone	ND	96	105	9.0	104	85	20.1	70 - 130	30	
4-Methyl-2-pentanone	ND	99	105	5.9	105	90	15.4	70 - 130	30	
Acetone	ND	101	106	4.8	87	73	17.5	70 - 130	30	
Benzene	ND	103	111	7.5	111	101	9.4	70 - 130	30	
Bromochloromethane	ND	104	114	9.2	110	98	11.5	70 - 130	30	
Bromodichloromethane	ND	105	112	6.5	107	97	9.8	70 - 130	30	
Bromoform	ND	98	109	10.6	104	92	12.2	70 - 130	30	
Bromomethane	ND	94	106	12.0	106	96	9.9	70 - 130	30	
Carbon Disulfide	ND	123	134	8.6	116	106	9.0	70 - 130	30	l
Carbon tetrachloride	ND	100	108	7.7	106	99	6.8	70 - 130	30	
Chlorobenzene	ND	102	112	9.3	112	100	11.3	70 - 130	30	
Chloroethane	ND	94	100	6.2	109	101	7.6	70 - 130	30	
Chloroform	ND	102	111	8.5	111	101	9.4	70 - 130	30	
Chloromethane	ND	107	113	5.5	119	108	9.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	114	6.3	113	102	10.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	107	117	8.9	108	98	9.7	70 - 130	30	
Cyclohexane	ND	97	103	6.0	119	109	8.8	70 - 130	30	
Dibromochloromethane	ND	105	113	7.3	110	97	12.6	70 - 130	30	
Dichlorodifluoromethane	ND	107	116	8.1	117	108	8.0	70 - 130	30	
Ethylbenzene	ND	105	116	10.0	118	104	12.6	70 - 130	30	
Isopropylbenzene	ND	103	113	9.3	128	106	18.8	70 - 130	30	
m&p-Xylene	ND	103	113	9.3	116	102	12.8	70 - 130	30	
Methyl ethyl ketone	ND	94	98	4.2	97	82	16.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	98	106	7.8	101	92	9.3	70 - 130	30	
Methylacetate	ND	100	109	8.6	92	78	16.5	70 - 130	30	
Methylcyclohexane	ND	93	100	7.3	112	101	10.3	70 - 130	30	
Methylene chloride	ND	101	108	6.7	99	91	8.4	70 - 130	30	
o-Xylene	ND	105	115	9.1	116	103	11.9	70 - 130	30	
Styrene	ND	105	115	9.1	111	99	11.4	70 - 130	30	
Tetrachloroethene	ND	100	112	11.3	115	102	12.0	70 - 130	30	
Toluene	ND	101	109	7.6	109	100	8.6	70 - 130	30	

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,2-Dichloroethene	ND	108	118	8.8	114	105	8.2	70 - 130	30
trans-1,3-Dichloropropene	ND	108	117	8.0	106	97	8.9	70 - 130	30
Trichloroethene	ND	99	106	6.8	107	97	9.8	70 - 130	30
Trichlorofluoromethane	ND	100	110	9.5	111	102	8.5	70 - 130	30
Trichlorotrifluoroethane	ND	104	112	7.4	114	104	9.2	70 - 130	30
Vinyl chloride	ND	102	110	7.5	119	110	7.9	70 - 130	30
% 1,2-dichlorobenzene-d4	102	101	100	1.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	96	100	100	0.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	100	103	101	2.0	99	98	1.0	70 - 130	30
% Toluene-d8	95	101	100	1.0	99	100	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 09, 2015

Sample Criteria Exceedences Report

GBH78384 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH78384	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	72	41	50	50	ug/kg
BH78384	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1400	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1500	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	840	560	800	800	ug/Kg
BH78384	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2100	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	560	1000	1000	ug/Kg
BH78384	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	560	500	500	ug/Kg
BH78384	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	560	500	500	ug/Kg
BH78384	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	560	500	500	ug/Kg
BH78385	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	62	51	50	50	ug/kg
BH78385	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	37.8	0.37	30		mg/Kg
BH78385	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	107	0.37	50	50	mg/kg
BH78385	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	95.8	0.37	63	63	mg/Kg
BH78385	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	168	3.7	109	109	mg/Kg
BH78386	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	500	500	ug/Kg
BH78386	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2800	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3400	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	330	330	ug/Kg
BH78386	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2900	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	3700	2400	2400	ug/Kg
BH78386	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	500	500	ug/Kg
BH78386	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	330	330	ug/Kg
BH78386	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	2600	1000	1000	ug/Kg
BH78386	$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BH78386	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	800	800	ug/Kg

Sample Criteria Exceedences Report

GBH78384 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH78386	$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BH78386	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BH78386	$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3700	800	800	ug/Kg
BH78386	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	500	500	ug/Kg
BH78386	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	72.0	0.39	50	50	mg/kg
BH78387	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2700	330	330	ug/Kg
BH78387	$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	3900	2400	2400	ug/Kg
BH78387	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3300	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3900	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2700	500	500	ug/Kg
BH78387	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3700	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3000	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2700	500	500	ug/Kg
BH78387	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2700	330	330	ug/Kg
BH78387	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3700	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3900	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	800	800	ug/Kg
BH78387	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3300	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3000	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3700	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3900	2700	1000	1000	ug/Kg
BH78387	$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	330	330	ug/Kg
BH78387	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	500	500	ug/Kg
BH78387	$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3900	800	800	ug/Kg
BH78387	$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	330	330	ug/Kg
BH78387	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	330	330	ug/Kg
BH78388	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	229	3.9	109	109	mg/Kg
BH78389	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	158	3.4	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

March 09, 2015

SDG I.D.: GBH78384

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 UPS IC Pg 1 of 1

Data Delivery:
☐ Fax: _____
☒ Email: info@hesny.com

Customer: _____
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to: ↑

Project P.O: _____
Phone #: 914-276-2560
Fax #: 914-276-2664

Client Sample - Information - Identification

Sampler's Signature: _____ Date: 2/27/15

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA [X] Methanol [ ] S. Bisulfate [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
78384	TB-12 (4-6)	S	2/26/15								3	2								
78385	TB-12 (28-30)	↓	↓								↓	↓								
78386	TB-11 (4-6)		2/27/15																	
78387	TB-11 (21-23)		↓																	
78388	TB-8 (2-4)																			
78389	TB-8 (20-22)	↓	↓		↓	↓	↓	↓	↓	↓	↓	↓								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3/2/15	12:10
[signature]	Mercury Pkg	3/2/15	15:48

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Wednesday, April 29, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH78390 - BH78391

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

April 29, 2015

SDG I.D.: GBH78390

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: HydroEnvironmental Solutions, Inc.

Project: 109 MARBLEDALE RD TUCKAHOE NY

Laboratory Project: GBH78390

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

April 29, 2015 **SDG I.D.: GBH78390**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Methodology Summary

Volatiles

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update V, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
TB-13 4-6	BH78390	SOLID
TB-13 26-28	BH78391	SOLID

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

April 29, 2015 **SDG I.D.: GBH78390**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BH78390	1,4-dioxane	02/26/15	03/04/15	03/04/15	JLI	Y
BH78390	Aluminum	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Antimony	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Arsenic	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Barium	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Beryllium	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Cadmium	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Calcium	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Chromium	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Cobalt	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Copper	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Iron	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Lead	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Magnesium	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Manganese	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Mercury	02/26/15	03/03/15	03/03/15	MA	Y
BH78390	Nickel	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Polychlorinated Biphenyls	02/26/15	03/02/15	03/03/15	AW	Y
BH78390	Potassium	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Selenium	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Semivolatiles	02/26/15	03/02/15	03/04/15	DD	Y
BH78390	Silver	02/26/15	03/02/15	03/03/15	EK	Y
BH78390	Sodium	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Thallium	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Total Cyanide (SW9010C Distillation)	02/26/15	03/04/15	03/04/15	O/B/E	Y
BH78390	Vanadium	02/26/15	03/02/15	03/03/15	LK	Y
BH78390	Volatiles	02/26/15	03/04/15	03/04/15	JLI	Y
BH78390	Zinc	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	1,4-dioxane	02/26/15	03/04/15	03/04/15	JLI	Y
BH78391	Aluminum	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Antimony	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Arsenic	02/26/15	03/02/15	03/03/15	EK	Y

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

April 29, 2015 **SDG I.D.: GBH78390**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BH78391	Barium	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Beryllium	02/26/15	03/02/15	03/03/15	EK	Y
BH78391	Cadmium	02/26/15	03/02/15	03/03/15	EK	Y
BH78391	Calcium	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Chromium	02/26/15	03/02/15	03/03/15	EK	Y
BH78391	Cobalt	02/26/15	03/02/15	03/03/15	EK	Y
BH78391	Copper	02/26/15	03/02/15	03/03/15	EK	Y
BH78391	Iron	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Lead	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Magnesium	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Manganese	02/26/15	03/02/15	03/03/15	EK	Y
BH78391	Mercury	02/26/15	03/03/15	03/03/15	MA	Y
BH78391	Nickel	02/26/15	03/02/15	03/03/15	EK	Y
BH78391	Polychlorinated Biphenyls	02/26/15	03/02/15	03/03/15	AW	Y
BH78391	Potassium	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Selenium	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Semivolatiles	02/26/15	03/02/15	03/03/15	DD	Y
BH78391	Silver	02/26/15	03/02/15	03/03/15	EK	Y
BH78391	Sodium	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Thallium	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Total Cyanide (SW9010C Distillation)	02/26/15	03/04/15	03/04/15	O/B/E	Y
BH78391	Vanadium	02/26/15	03/02/15	03/03/15	LK	Y
BH78391	Volatiles	02/26/15	03/04/15	03/04/15	JLI	Y
BH78391	Zinc	02/26/15	03/02/15	03/03/15	LK	Y

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 29, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78390
Phoenix ID: BH78390

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 4-6

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39		0.39	0.39	mg/Kg	1	03/03/15	EK	SW6010C
Aluminum	8050		39	7.7	mg/Kg	10	03/03/15	LK	SW6010C
Arsenic	4.5		0.8	0.77	mg/Kg	1	03/03/15	EK	SW6010C
Barium	76.9		0.8	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Beryllium	0.32		0.31	0.15	mg/Kg	1	03/03/15	EK	SW6010C
Calcium	31500	N	39	36	mg/Kg	10	03/03/15	LK	SW6010C
Cadmium	< 0.39		0.39	0.15	mg/Kg	1	03/03/15	EK	SW6010C
Cobalt	7.17		0.39	0.39	mg/Kg	1	03/03/15	EK	SW6010C
Chromium	24.0		0.39	0.39	mg/Kg	1	03/03/15	EK	SW6010C
Copper	35.4		0.39	0.39	mg/kg	1	03/03/15	EK	SW6010C
Iron	13600		39	39	mg/Kg	10	03/03/15	LK	SW6010C
Mercury	0.32		0.03	0.02	mg/Kg	1	03/03/15	MA	SW7471B
Potassium	1930	N	8	3.0	mg/Kg	1	03/03/15	LK	SW6010C
Magnesium	16600		39	39	mg/Kg	10	03/03/15	LK	SW6010C
Manganese	195		3.9	3.9	mg/Kg	10	03/03/15	EK	SW6010C
Sodium	230	N	8	3.3	mg/Kg	1	03/03/15	LK	SW6010C
Nickel	25.3		0.39	0.39	mg/Kg	1	03/03/15	EK	SW6010C
Lead	82.8		0.8	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	03/03/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	03/03/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/03/15	LK	SW6010C
Vanadium	32.6		0.4	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Zinc	215		7.7	3.9	mg/Kg	10	03/03/15	LK	SW6010C
Percent Solid	84				%		03/02/15	i	SW846-%Solid
Total Cyanide	< 0.54		0.54	0.27	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed						03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 4-6

Phoenix I.D.: BH78390

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						03/02/15	CB/AG	SW3050B	
Polychlorinated Biphenyls										
PCB-1016	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1221	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1232	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1242	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1248	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1254	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1260	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1262	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1268	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	82				%	2	03/03/15	AW	30 - 150 %	
% TCMX	84				%	2	03/03/15	AW	30 - 150 %	
1,4-dioxane										
1,4-dioxane	ND		100	100	ug/kg	1	03/04/15	JLI	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1-Dichloroethane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1-Dichloroethene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dibromoethane	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichloroethane	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichloropropane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
2-Hexanone	ND		30	6.0	ug/Kg	1	03/04/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		30	6.0	ug/Kg	1	03/04/15	JLI	SW8260C	
Acetone	19	JBS	50	6.0	ug/Kg	1	03/04/15	JLI	SW8260C	B*
Benzene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromochloromethane	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromodichloromethane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromoform	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromomethane	ND		6.0	2.4	ug/Kg	1	03/04/15	JLI	SW8260C	
Carbon Disulfide	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
Carbon tetrachloride	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
Chlorobenzene	ND		6.0	6.0	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloroethane	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloroform	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloromethane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 4-6

Phoenix I.D.: BH78390

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
Dibromochloromethane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
Dichlorodifluoromethane	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
Ethylbenzene	0.88	J	6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
Isopropylbenzene	0.60	J	6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
m&p-Xylene	2.7	J	6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
Methyl ethyl ketone	ND		36	6.0	ug/Kg	1	03/04/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
Methylacetate	ND		6.0	3.0	ug/Kg	1	03/04/15	JLI	SW8260C
Methylcyclohexane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
Methylene chloride	ND		6.0	6.0	ug/Kg	1	03/04/15	JLI	SW8260C
o-Xylene	1.9	J	6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
Styrene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
Tetrachloroethene	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
Toluene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
Total Xylenes	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
Trichloroethene	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
Trichlorofluoromethane	ND		6.0	1.2	ug/Kg	1	03/04/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
Vinyl chloride	ND		6.0	0.60	ug/Kg	1	03/04/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	1	03/04/15	JLI	70 - 130 %
% Bromofluorobenzene	93				%	1	03/04/15	JLI	70 - 130 %
% Dibromofluoromethane	97				%	1	03/04/15	JLI	70 - 130 %
% Toluene-d8	94				%	1	03/04/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		1400	590	ug/Kg	5	03/04/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		1400	680	ug/Kg	5	03/04/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		1400	910	ug/Kg	5	03/04/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		1400	1100	ug/Kg	5	03/04/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		770	620	ug/Kg	5	03/04/15	DD	SW8270D
2,4-Dichlorophenol	ND		770	680	ug/Kg	5	03/04/15	DD	SW8270D
2,4-Dimethylphenol	ND		1400	480	ug/Kg	5	03/04/15	DD	SW8270D
2,4-Dinitrophenol	ND		1400	1400	ug/Kg	5	03/04/15	DD	SW8270D
2,4-Dinitrotoluene	ND		770	760	ug/Kg	5	03/04/15	DD	SW8270D
2,6-Dinitrotoluene	ND		770	610	ug/Kg	5	03/04/15	DD	SW8270D
2-Chloronaphthalene	ND		1400	550	ug/Kg	5	03/04/15	DD	SW8270D
2-Chlorophenol	ND		1400	550	ug/Kg	5	03/04/15	DD	SW8270D
2-Methylnaphthalene	ND		1400	580	ug/Kg	5	03/04/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		1400	910	ug/Kg	5	03/04/15	DD	SW8270D
2-Nitroaniline	ND		9700	2000	ug/Kg	5	03/04/15	DD	SW8270D
2-Nitrophenol	ND		1400	1200	ug/Kg	5	03/04/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		1400	760	ug/Kg	5	03/04/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		770	770	ug/Kg	5	03/04/15	DD	SW8270D
3-Nitroaniline	ND		9700	4200	ug/Kg	5	03/04/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		1400	1400	ug/Kg	5	03/04/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		1400	570	ug/Kg	5	03/04/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 4-6

Phoenix I.D.: BH78390

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		1400	680	ug/Kg	5	03/04/15	DD	SW8270D	
4-Chloroaniline	ND		3900	900	ug/Kg	5	03/04/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		1400	650	ug/Kg	5	03/04/15	DD	SW8270D	
4-Nitroaniline	ND		9700	650	ug/Kg	5	03/04/15	DD	SW8270D	
4-Nitrophenol	ND		9700	870	ug/Kg	5	03/04/15	DD	SW8270D	
Acenaphthene	630	J	1400	590	ug/Kg	5	03/04/15	DD	SW8270D	
Acenaphthylene	ND		770	540	ug/Kg	5	03/04/15	DD	SW8270D	
Acetophenone	ND		1400	600	ug/Kg	5	03/04/15	DD	SW8270D	
Anthracene	2200		1400	630	ug/Kg	5	03/04/15	DD	SW8270D	
Atrazine	ND		770	770	ug/Kg	5	03/04/15	DD	SW8270D	
Benz(a)anthracene	5900		1400	650	ug/Kg	5	03/04/15	DD	SW8270D	
Benzaldehyde	ND		1400	570	ug/Kg	5	03/04/15	DD	SW8270D	
Benzo(a)pyrene	5200		770	630	ug/Kg	5	03/04/15	DD	SW8270D	
Benzo(b)fluoranthene	6400		1400	660	ug/Kg	5	03/04/15	DD	SW8270D	
Benzo(ghi)perylene	1900		1400	630	ug/Kg	5	03/04/15	DD	SW8270D	
Benzo(k)fluoranthene	2200		1400	640	ug/Kg	5	03/04/15	DD	SW8270D	
Benzyl butyl phthalate	ND		1400	500	ug/Kg	5	03/04/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		1400	530	ug/Kg	5	03/04/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		770	520	ug/Kg	5	03/04/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		1400	540	ug/Kg	5	03/04/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		1400	560	ug/Kg	5	03/04/15	DD	SW8270D	
Caprolactam	ND		1400	1400	ug/Kg	5	03/04/15	DD	SW8270D	
Carbazole	ND		9700	1500	ug/Kg	5	03/04/15	DD	SW8270D	
Chrysene	5600		1400	650	ug/Kg	5	03/04/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		770	630	ug/Kg	5	03/04/15	DD	SW8270D	
Dibenzofuran	ND		1400	570	ug/Kg	5	03/04/15	DD	SW8270D	
Diethyl phthalate	ND		1400	610	ug/Kg	5	03/04/15	DD	SW8270D	
Dimethylphthalate	ND		1400	600	ug/Kg	5	03/04/15	DD	SW8270D	
Di-n-butylphthalate	ND		1400	510	ug/Kg	5	03/04/15	DD	SW8270D	
Di-n-octylphthalate	ND		1400	500	ug/Kg	5	03/04/15	DD	SW8270D	
Fluoranthene	9200		1400	630	ug/Kg	5	03/04/15	DD	SW8270D	
Fluorene	760	J	1400	640	ug/Kg	5	03/04/15	DD	SW8270D	
Hexachlorobenzene	ND		770	570	ug/Kg	5	03/04/15	DD	SW8270D	
Hexachlorobutadiene	ND		1400	700	ug/Kg	5	03/04/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		1400	590	ug/Kg	5	03/04/15	DD	SW8270D	
Hexachloroethane	ND		770	580	ug/Kg	5	03/04/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	1900		1400	640	ug/Kg	5	03/04/15	DD	SW8270D	
Isophorone	ND		770	540	ug/Kg	5	03/04/15	DD	SW8270D	
Naphthalene	ND		1400	560	ug/Kg	5	03/04/15	DD	SW8270D	
Nitrobenzene	ND		770	680	ug/Kg	5	03/04/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		1400	550	ug/Kg	5	03/04/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		770	630	ug/Kg	5	03/04/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		770	740	ug/Kg	5	03/04/15	DD	SW8270D	
Pentachlorophenol	ND		1400	730	ug/Kg	5	03/04/15	DD	SW8270D	
Phenanthrene	7000		770	550	ug/Kg	5	03/04/15	DD	SW8270D	
Phenol	ND		1400	620	ug/Kg	5	03/04/15	DD	SW8270D	
Pyrene	7400		1400	670	ug/Kg	5	03/04/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	96				%	5	03/04/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 4-6

Phoenix I.D.: BH78390

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	79			%	5	03/04/15	DD	30 - 115 %
% 2-Fluorophenol	73			%	5	03/04/15	DD	25 - 121 %
% Nitrobenzene-d5	78			%	5	03/04/15	DD	23 - 120 %
% Phenol-d5	74			%	5	03/04/15	DD	24 - 113 %
% Terphenyl-d14	65			%	5	03/04/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

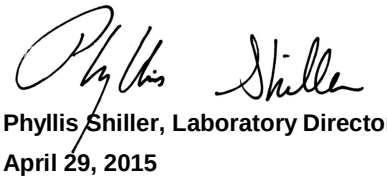
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 29, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78390
Phoenix ID: BH78391

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 26-28

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37		0.37	0.37	mg/Kg	1	03/03/15	EK	SW6010C
Aluminum	10400		37	7.4	mg/Kg	10	03/03/15	LK	SW6010C
Arsenic	1.2		0.7	0.74	mg/Kg	1	03/03/15	EK	SW6010C
Barium	77.7		0.7	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Beryllium	0.31		0.30	0.15	mg/Kg	1	03/03/15	EK	SW6010C
Calcium	15200	N	37	34	mg/Kg	10	03/03/15	LK	SW6010C
Cadmium	< 0.37		0.37	0.15	mg/Kg	1	03/03/15	EK	SW6010C
Cobalt	9.14		0.37	0.37	mg/Kg	1	03/03/15	EK	SW6010C
Chromium	31.4		0.37	0.37	mg/Kg	1	03/03/15	EK	SW6010C
Copper	20.3		0.37	0.37	mg/kg	1	03/03/15	EK	SW6010C
Iron	16400		37	37	mg/Kg	10	03/03/15	LK	SW6010C
Mercury	< 0.03		0.03	0.02	mg/Kg	1	03/03/15	MA	SW7471B
Potassium	2650	N	7	2.9	mg/Kg	1	03/03/15	LK	SW6010C
Magnesium	7560		37	37	mg/Kg	10	03/03/15	LK	SW6010C
Manganese	302		3.7	3.7	mg/Kg	10	03/03/15	EK	SW6010C
Sodium	198	N	7	3.2	mg/Kg	1	03/03/15	LK	SW6010C
Nickel	20.8		0.37	0.37	mg/Kg	1	03/03/15	EK	SW6010C
Lead	11.8		0.7	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	03/03/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	03/03/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/03/15	LK	SW6010C
Vanadium	31.1		0.4	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Zinc	58.8		0.7	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Percent Solid	80				%		03/02/15	i	SW846-%Solid
Total Cyanide	< 0.57		0.57	0.28	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed						03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 26-28

Phoenix I.D.: BH78391

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						03/02/15	CB/AG	SW3050B	
Polychlorinated Biphenyls										
PCB-1016	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1221	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1232	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1242	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1248	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1254	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1260	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1262	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1268	ND		82	82	ug/Kg	2	03/03/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	61				%	2	03/03/15	AW	30 - 150 %	
% TCMX	66				%	2	03/03/15	AW	30 - 150 %	
1,4-dioxane										
1,4-dioxane	ND		110	43	ug/kg	1	03/04/15	JLI	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1-Dichloroethane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1-Dichloroethene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dibromoethane	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichloroethane	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichloropropane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
2-Hexanone	ND		27	5.3	ug/Kg	1	03/04/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		27	5.3	ug/Kg	1	03/04/15	JLI	SW8260C	
Acetone	200	BS	53	5.3	ug/Kg	1	03/04/15	JLI	SW8260C	B
Benzene	0.57	J	5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromochloromethane	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromodichloromethane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromoform	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromomethane	ND		5.3	2.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Carbon Disulfide	6.9		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Carbon tetrachloride	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Chlorobenzene	ND		5.3	5.3	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloroethane	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloroform	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloromethane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Cyclohexane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Dibromochloromethane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Dichlorodifluoromethane	130		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Ethylbenzene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Isopropylbenzene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
m&p-Xylene	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Methyl ethyl ketone	15	J	32	5.3	ug/Kg	1	03/04/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Methylacetate	ND		5.3	2.7	ug/Kg	1	03/04/15	JLI	SW8260C	
Methylcyclohexane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Methylene chloride	ND		5.3	5.3	ug/Kg	1	03/04/15	JLI	SW8260C	
o-Xylene	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Styrene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Tetrachloroethene	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Toluene	0.67	J	5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Total Xylenes	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Trichloroethene	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Trichlorofluoromethane	ND		5.3	1.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
Vinyl chloride	ND		5.3	0.53	ug/Kg	1	03/04/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	03/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	95				%	1	03/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	51				%	1	03/04/15	JLI	70 - 130 %	3
% Toluene-d8	97				%	1	03/04/15	JLI	70 - 130 %	

Semivolatiles

1,1-Biphenyl	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND		280	140	ug/Kg	1	03/03/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND		280	190	ug/Kg	1	03/03/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND		280	220	ug/Kg	1	03/03/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND		160	130	ug/Kg	1	03/03/15	DD	SW8270D	
2,4-Dichlorophenol	ND		160	140	ug/Kg	1	03/03/15	DD	SW8270D	
2,4-Dimethylphenol	ND		280	100	ug/Kg	1	03/03/15	DD	SW8270D	
2,4-Dinitrophenol	ND		280	280	ug/Kg	1	03/03/15	DD	SW8270D	
2,4-Dinitrotoluene	ND		160	160	ug/Kg	1	03/03/15	DD	SW8270D	
2,6-Dinitrotoluene	ND		160	130	ug/Kg	1	03/03/15	DD	SW8270D	
2-Chloronaphthalene	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
2-Chlorophenol	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
2-Methylnaphthalene	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	1	03/03/15	DD	SW8270D	
2-Nitroaniline	ND		2000	410	ug/Kg	1	03/03/15	DD	SW8270D	
2-Nitrophenol	ND		280	260	ug/Kg	1	03/03/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		280	160	ug/Kg	1	03/03/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND		160	160	ug/Kg	1	03/03/15	DD	SW8270D	
3-Nitroaniline	ND		2000	880	ug/Kg	1	03/03/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		280	280	ug/Kg	1	03/03/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 26-28

Phoenix I.D.: BH78391

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	1	03/03/15	DD	SW8270D	
4-Chloroaniline	ND		810	190	ug/Kg	1	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		280	140	ug/Kg	1	03/03/15	DD	SW8270D	
4-Nitroaniline	ND		2000	140	ug/Kg	1	03/03/15	DD	SW8270D	
4-Nitrophenol	ND		2000	180	ug/Kg	1	03/03/15	DD	SW8270D	
Acenaphthene	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
Acenaphthylene	ND		160	110	ug/Kg	1	03/03/15	DD	SW8270D	
Acetophenone	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Anthracene	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Atrazine	ND		160	160	ug/Kg	1	03/03/15	DD	SW8270D	
Benz(a)anthracene	180	J	280	140	ug/Kg	1	03/03/15	DD	SW8270D	
Benzaldehyde	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(a)pyrene	150	J	160	130	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	200	J	280	140	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND		280	100	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		160	110	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		280	110	ug/Kg	1	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	220	J	280	120	ug/Kg	1	03/03/15	DD	SW8270D	
Caprolactam	ND		280	280	ug/Kg	1	03/03/15	DD	SW8270D	
Carbazole	ND		2000	310	ug/Kg	1	03/03/15	DD	SW8270D	
Chrysene	180	J	280	140	ug/Kg	1	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		160	130	ug/Kg	1	03/03/15	DD	SW8270D	
Dibenzofuran	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
Diethyl phthalate	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Dimethylphthalate	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND		280	110	ug/Kg	1	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND		280	100	ug/Kg	1	03/03/15	DD	SW8270D	
Fluoranthene	450		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Fluorene	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND		160	120	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND		280	150	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachloroethane	ND		160	120	ug/Kg	1	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Isophorone	ND		160	110	ug/Kg	1	03/03/15	DD	SW8270D	
Naphthalene	ND		280	120	ug/Kg	1	03/03/15	DD	SW8270D	
Nitrobenzene	ND		160	140	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		280	110	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		160	130	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		160	160	ug/Kg	1	03/03/15	DD	SW8270D	
Pentachlorophenol	ND		280	150	ug/Kg	1	03/03/15	DD	SW8270D	
Phenanthrene	330		160	120	ug/Kg	1	03/03/15	DD	SW8270D	
Phenol	ND		280	130	ug/Kg	1	03/03/15	DD	SW8270D	
Pyrene	410		280	140	ug/Kg	1	03/03/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	89				%	1	03/03/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13 26-28

Phoenix I.D.: BH78391

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	83			%	1	03/03/15	DD	30 - 115 %
% 2-Fluorophenol	72			%	1	03/03/15	DD	25 - 121 %
% Nitrobenzene-d5	75			%	1	03/03/15	DD	23 - 120 %
% Phenol-d5	77			%	1	03/03/15	DD	24 - 113 %
% Terphenyl-d14	114			%	1	03/03/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

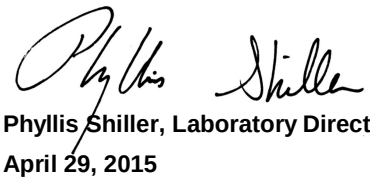
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:

**Surrogate recoveries were outside control limits for volatiles due to matrix interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Tina Covensky

1F

CLIENT ID

TB-13 4-6

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78390

Matrix:(soil/water) SOIL Lab Sample ID: BH78390

Sample wt/vol: 15.38 (g/mL) g Lab File ID: 0304_20.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 16 decanted:(Y/N) NA Date Extracted: 03/04/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/4/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 5

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.670	2900	JNA
000203-64-5	4H-Cyclopenta[def]phenanthrene	13.780	1700	JN
000205-82-3	Benzo[j]fluoranthene	19.900	3200	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-13 26-28

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78390

Matrix:(soil/water) SOIL Lab Sample ID: BH78391

Sample wt/vol: 15.4 (g/mL) g Lab File ID: 0302_19.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 20 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.763	1500	JNA
	Unknown	15.480	590	JN

FORM I SEMIVOA-TIC

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 29, 2015

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300603 (mg/kg), QC Sample No: BH78166 (BH78390, BH78391)													
Mercury - Soil	BRL	<0.03	<0.03	NC	97.0	101	4.0	105	98.8	6.1	75 - 125	30	
QA/QC Batch 300557 (mg/kg), QC Sample No: BH78307 (BH78390, BH78391)													
ICP Metals - Soil													
Aluminum	BRL	5790	6480	11.2	103	99.1	3.9	NC	NC	NC	80 - 120	30	
Antimony	BRL	<1.8	<3.6	NC	105	110	4.7	88.6	90.4	2.0	70 - 130	30	
Arsenic	BRL	1.3	1.47	NC	99.2	97.0	2.2	92.0	94.5	2.7	80 - 120	30	
Barium	BRL	62.5	49.3	23.6	111	112	0.9	91.1	94.3	3.5	80 - 120	30	
Beryllium	BRL	0.31	0.33	NC	103	101	2.0	96.6	94.6	2.1	80 - 120	30	
Cadmium	BRL	<0.36	<0.36	NC	88.6	89.6	1.1	92.6	95.9	3.5	80 - 120	30	
Calcium	BRL	310	385	21.6	103	102	1.0	>130	>130	NC	80 - 120	30	m
Chromium	BRL	12.2	13.3	8.60	103	106	2.9	103	104	1.0	80 - 120	30	
Cobalt	BRL	5.19	6.00	14.5	88.1	89.9	2.0	96.4	99.4	3.1	80 - 120	30	
Copper	BRL	10.7	11.4	6.30	95.1	94.8	0.3	104	107	2.8	80 - 120	30	
Iron	BRL	13500	16000	16.9	87.9	90.3	2.7	NC	NC	NC	80 - 120	30	
Lead	BRL	4.6	4.32	6.30	91.5	93.9	2.6	93.6	96.8	3.4	80 - 120	30	
Magnesium	BRL	1310	1530	15.5	103	102	1.0	NC	NC	NC	80 - 120	30	
Manganese	BRL	503	462	8.50	111	110	0.9	105	65.4	46.5	80 - 120	30	m,r
Nickel	BRL	8.91	9.24	3.60	101	102	1.0	96.1	99.4	3.4	80 - 120	30	
Potassium	BRL	686	653	4.90	96.4	90.9	5.9	>130	>130	NC	80 - 120	30	m
Selenium	BRL	<1.4	<1.4	NC	87.8	89.2	1.6	79.3	82.1	3.5	80 - 120	30	
Silver	BRL	<0.36	<0.36	NC	102	103	1.0	96.9	100	3.1	70 - 130	30	
Sodium	BRL	414	459	10.3	109	103	5.7	>130	>130	NC	80 - 120	30	m
Thallium	BRL	<1.4	<3.2	NC	100	101	1.0	94.8	98.0	3.3	80 - 120	30	
Vanadium	BRL	20.2	22.7	11.7	110	115	4.4	104	105	1.0	80 - 120	30	
Zinc	BRL	19.2	21.1	9.40	91.8	91.7	0.1	95.6	98.4	2.9	80 - 120	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

April 29, 2015

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300799 (mg/Kg), QC Sample No: BH78389 (BH78390, BH78391)												
Total Cyanide (SW9010C Distillatio	BRL	2.93	3.36	13.7	103			101			85 - 115	30

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 29, 2015

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300444 (ug/kg), QC Sample No: BH77859 (BH78390, BH78391)										
Semivolatiles - Solid										
1,1-Biphenyl	ND	76	79	3.9	84	83	1.2	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	82	6.3	84	86	2.4	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	94	98	4.2	104	104	0.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	88	92	4.4	98	98	0.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	87	91	4.5	94	94	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	82	88	7.1	89	91	2.2	30 - 130	30	
2,4-Dimethylphenol	ND	78	80	2.5	81	77	5.1	30 - 130	30	
2,4-Dinitrophenol	ND	26	31	17.5	18	21	15.4	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	88	90	2.2	94	94	0.0	30 - 130	30	
2,6-Dinitrotoluene	ND	86	90	4.5	94	94	0.0	30 - 130	30	
2-Chloronaphthalene	ND	77	81	5.1	85	85	0.0	30 - 130	30	
2-Chlorophenol	ND	75	81	7.7	83	84	1.2	30 - 130	30	
2-Methylnaphthalene	ND	80	85	6.1	87	89	2.3	30 - 130	30	
2-Methylphenol (o-cresol)	ND	74	79	6.5	79	80	1.3	30 - 130	30	
2-Nitroaniline	ND	89	95	6.5	86	91	5.6	30 - 130	30	
2-Nitrophenol	ND	79	84	6.1	88	90	2.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	82	87	5.9	86	88	2.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	76	82	7.6	77	78	1.3	30 - 130	30	
3-Nitroaniline	ND	85	89	4.6	87	92	5.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	49	57	15.1	75	78	3.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	81	85	4.8	92	90	2.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	88	93	5.5	94	96	2.1	30 - 130	30	
4-Chloroaniline	ND	74	77	4.0	76	77	1.3	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	81	84	3.6	88	87	1.1	30 - 130	30	
4-Nitroaniline	ND	85	90	5.7	92	93	1.1	30 - 130	30	
4-Nitrophenol	ND	93	100	7.3	97	98	1.0	30 - 130	30	
Acenaphthene	ND	84	88	4.7	91	90	1.1	30 - 130	30	
Acenaphthylene	ND	78	81	3.8	85	84	1.2	30 - 130	30	
Acetophenone	ND	78	83	6.2	84	86	2.4	30 - 130	30	
Anthracene	ND	81	87	7.1	91	89	2.2	30 - 130	30	
Atrazine	ND	80	82	2.5	91	82	10.4	30 - 130	30	
Benz(a)anthracene	ND	84	89	5.8	90	90	0.0	30 - 130	30	
Benzaldehyde	ND	53	63	17.2	125	141	12.0	30 - 130	30	m
Benzo(a)pyrene	ND	81	86	6.0	89	89	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	78	82	5.0	88	85	3.5	30 - 130	30	
Benzo(ghi)perylene	ND	90	96	6.5	101	99	2.0	30 - 130	30	
Benzo(k)fluoranthene	ND	81	87	7.1	88	89	1.1	30 - 130	30	
Benzyl butyl phthalate	ND	85	88	3.5	97	92	5.3	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	80	83	3.7	86	86	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	64	68	6.1	68	71	4.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	66	70	5.9	72	73	1.4	30 - 130	30	

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bis(2-ethylhexyl)phthalate	ND	85	88	3.5	96	91	5.3	30 - 130	30	
Caprolactam	ND	78	80	2.5	87	87	0.0	30 - 130	30	
Carbazole	ND	84	89	5.8	92	87	5.6	30 - 130	30	
Chrysene	ND	88	93	5.5	95	96	1.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	89	95	6.5	101	98	3.0	30 - 130	30	
Dibenzofuran	ND	83	88	5.8	90	90	0.0	30 - 130	30	
Diethyl phthalate	ND	85	85	0.0	91	89	2.2	30 - 130	30	
Dimethylphthalate	ND	83	85	2.4	91	89	2.2	30 - 130	30	
Di-n-butylphthalate	ND	77	80	3.8	88	80	9.5	30 - 130	30	
Di-n-octylphthalate	ND	90	95	5.4	97	97	0.0	30 - 130	30	
Fluoranthene	ND	79	85	7.3	90	86	4.5	30 - 130	30	
Fluorene	ND	82	85	3.6	89	88	1.1	30 - 130	30	
Hexachlorobenzene	ND	79	82	3.7	90	84	6.9	30 - 130	30	
Hexachlorobutadiene	ND	74	77	4.0	82	82	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	90	100	10.5	91	102	11.4	30 - 130	30	
Hexachloroethane	ND	66	71	7.3	72	73	1.4	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	89	96	7.6	101	99	2.0	30 - 130	30	
Isophorone	ND	75	77	2.6	81	80	1.2	30 - 130	30	
Naphthalene	ND	74	80	7.8	81	83	2.4	30 - 130	30	
Nitrobenzene	ND	73	79	7.9	79	82	3.7	30 - 130	30	
N-Nitrosodimethylamine	ND	58	62	6.7	63	63	0.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	76	80	5.1	82	83	1.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	85	87	2.3	89	91	2.2	30 - 130	30	
Pentachlorophenol	ND	104	114	9.2	127	124	2.4	30 - 130	30	
Phenanthrene	ND	82	86	4.8	91	88	3.4	30 - 130	30	
Phenol	ND	71	77	8.1	77	79	2.6	30 - 130	30	
Pyrene	ND	79	83	4.9	90	85	5.7	30 - 130	30	
% 2,4,6-Tribromophenol	100	83	88	5.8	92	91	1.1	30 - 130	30	
% 2-Fluorobiphenyl	77	75	79	5.2	83	83	0.0	30 - 115	30	
% 2-Fluorophenol	64	70	75	6.9	76	77	1.3	30 - 130	30	
% Nitrobenzene-d5	67	71	78	9.4	77	80	3.8	23 - 120	30	
% Phenol-d5	70	73	79	7.9	79	81	2.5	30 - 130	30	
% Terphenyl-d14	88	84	90	6.9	98	93	5.2	18 - 137	30	
QA/QC Batch 300456 (ug/Kg), QC Sample No: BH78084 2X (BH78390, BH78391)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	95	95	0.0	92	89	3.3	30 - 120	15	
PCB-1221	ND							30 - 150	30	
PCB-1232	ND							30 - 150	30	
PCB-1242	ND							30 - 150	30	
PCB-1248	ND							30 - 150	30	
PCB-1254	ND							30 - 150	30	
PCB-1260	ND	99	99	0.0	96	95	1.0	30 - 150	20	
PCB-1262	ND							30 - 150	30	
PCB-1268	ND							30 - 150	30	
% DCBP (Surrogate Rec)	83	103	102	1.0	99	97	2.0	30 - 150	20	
% TCMX (Surrogate Rec)	69	102	102	0.0	94	92	2.2	30 - 150	20	
QA/QC Batch 300840 (ug/kg), QC Sample No: BH78836 (BH78390, BH78391)										
Volatiles (TCL) - Solid										
1,1,1-Trichloroethane	ND	102	111	8.5	112	103	8.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	116	124	6.7	136	108	23.0	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	105	7.9	106	94	12.0	70 - 130	30	
1,1-Dichloroethane	ND	105	112	6.5	114	105	8.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1-Dichloroethene	ND	105	114	8.2	114	101	12.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	100	110	9.5	94	77	19.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	98	109	10.6	95	77	20.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	105	113	7.3	123	95	25.7	70 - 130	30
1,2-Dibromoethane	ND	98	106	7.8	105	94	11.1	70 - 130	30
1,2-Dichlorobenzene	ND	102	112	9.3	111	91	19.8	70 - 130	30
1,2-Dichloroethane	ND	97	105	7.9	103	93	10.2	70 - 130	30
1,2-Dichloropropane	ND	104	112	7.4	111	103	7.5	70 - 130	30
1,3-Dichlorobenzene	ND	100	112	11.3	112	93	18.5	70 - 130	30
1,4-Dichlorobenzene	ND	106	118	10.7	119	97	20.4	70 - 130	30
1,4-dioxane	ND	109	103	5.7	119	110	7.9	70 - 130	30
2-Hexanone	ND	96	105	9.0	104	85	20.1	70 - 130	30
4-Methyl-2-pentanone	ND	99	105	5.9	105	90	15.4	70 - 130	30
Acetone	8.4 JBS	101	106	4.8	87	73	17.5	70 - 130	30
Benzene	ND	103	111	7.5	111	101	9.4	70 - 130	30
Bromochloromethane	ND	104	114	9.2	110	98	11.5	70 - 130	30
Bromodichloromethane	ND	105	112	6.5	107	97	9.8	70 - 130	30
Bromoform	ND	98	109	10.6	104	92	12.2	70 - 130	30
Bromomethane	ND	94	106	12.0	106	96	9.9	70 - 130	30
Carbon Disulfide	ND	123	134	8.6	116	106	9.0	70 - 130	30
Carbon tetrachloride	ND	100	108	7.7	106	99	6.8	70 - 130	30
Chlorobenzene	ND	102	112	9.3	112	100	11.3	70 - 130	30
Chloroethane	ND	94	100	6.2	109	101	7.6	70 - 130	30
Chloroform	ND	102	111	8.5	111	101	9.4	70 - 130	30
Chloromethane	ND	107	113	5.5	119	108	9.7	70 - 130	30
cis-1,2-Dichloroethene	ND	107	114	6.3	113	102	10.2	70 - 130	30
cis-1,3-Dichloropropene	ND	107	117	8.9	108	98	9.7	70 - 130	30
Cyclohexane	ND	97	103	6.0	119	109	8.8	70 - 130	30
Dibromochloromethane	ND	105	113	7.3	110	97	12.6	70 - 130	30
Dichlorodifluoromethane	ND	107	116	8.1	117	108	8.0	70 - 130	30
Ethylbenzene	ND	105	116	10.0	118	104	12.6	70 - 130	30
Isopropylbenzene	ND	103	113	9.3	128	106	18.8	70 - 130	30
m&p-Xylene	ND	103	113	9.3	116	102	12.8	70 - 130	30
Methyl ethyl ketone	ND	94	98	4.2	97	82	16.8	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	98	106	7.8	101	92	9.3	70 - 130	30
Methylacetate	ND	100	109	8.6	92	78	16.5	70 - 130	30
Methylcyclohexane	ND	93	100	7.3	112	101	10.3	70 - 130	30
Methylene chloride	ND	101	108	6.7	99	91	8.4	70 - 130	30
o-Xylene	ND	105	115	9.1	116	103	11.9	70 - 130	30
Styrene	ND	105	115	9.1	111	99	11.4	70 - 130	30
Tetrachloroethene	ND	100	112	11.3	115	102	12.0	70 - 130	30
Toluene	ND	101	109	7.6	109	100	8.6	70 - 130	30
trans-1,2-Dichloroethene	ND	108	118	8.8	114	105	8.2	70 - 130	30
trans-1,3-Dichloropropene	ND	108	117	8.0	106	97	8.9	70 - 130	30
Trichloroethene	ND	99	106	6.8	107	97	9.8	70 - 130	30
Trichlorofluoromethane	ND	100	110	9.5	111	102	8.5	70 - 130	30
Trichlorotrifluoroethane	ND	104	112	7.4	114	104	9.2	70 - 130	30
Vinyl chloride	ND	102	110	7.5	119	110	7.9	70 - 130	30
% 1,2-dichlorobenzene-d4	102	101	100	1.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	96	100	100	0.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	100	103	101	2.0	99	98	1.0	70 - 130	30
% Toluene-d8	95	101	100	1.0	99	100	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH78390

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 29, 2015

Sample Criteria Exceedences Report

GBH78390 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH78390	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	770	330	330	ug/Kg
BH78390	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5900	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5200	770	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	6400	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2200	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5600	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1900	1400	500	500	ug/Kg
BH78390	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5900	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5200	770	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	6400	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	5600	1400	3900	3900	ug/Kg
BH78390	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	770	330	330	ug/Kg
BH78390	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	1400	500	500	ug/Kg
BH78390	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6400	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5900	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5200	770	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	1400	1000	1000	ug/Kg
BH78390	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	330	330	ug/Kg
BH78390	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	770	330	330	ug/Kg
BH78390	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	800	800	ug/Kg
BH78390	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	1400	800	800	ug/Kg
BH78390	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	1400	500	500	ug/Kg
BH78390	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	330	330	ug/Kg
BH78390	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.32	0.03	0.18	0.18	mg/Kg
BH78390	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	82.8	0.8	63	63	mg/Kg
BH78390	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	215	7.7	109	109	mg/Kg
BH78391	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	110	100	100	ug/kg
BH78391	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	200	53	50	50	ug/Kg
BH78391	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.4	0.37	30		mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 29, 2015

SDG I.D.: GBH78390

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 cwk Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe NY
Report to: Tim Carr
Invoice to: →

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664

Client Sample - Information - Identification

Sampler's Signature: RC Date: 2/26/15

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA ☒ Methanol [ ]S. Bisulfate ☒ H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ]As is [ ]HCl	GL Amber 1000ml [ ]As is [ ]H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
78390	TB-13(4-6)	S	2/26/15		1	1	1	1	1	1	3	2								
78391	TB-13(26-28)	S	1		1	1	1	1	1	1	3	2								

Relinquished by:	Accepted by:	Date:	Time:
		3-2-15	12:10
		3/2/15	15:48

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Sarah - Phoenixlabs

From: Rachel Griffiths [rgriffiths@hes-nj.com]
Sent: Monday, April 06, 2015 4:06 PM
To: Sarah - Phoenixlabs; rowanenv1@aol.com
Cc: Tim Carr; Alyssa N. Epstein
Subject: RE: Marbledale Road, Tuckahoe - ASP-B Data Package

Yes from here on out, that'll be much easier... it was sort of a retroactive realization that we had forgotten!

Our validator has requested a hard copy, though we can work that out in-house if you don't do it.

Thanks for your help, as usual!!

-Rachel

Rachel E. Griffiths
Geologist/Hydrogeologist

HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589
Phone: (914) 276-2560
Fax: (914) 276-2664
Cell: (914) 512-0779
www.hesny.com

-----Original Message-----
From: Sarah - Phoenixlabs [mailto:sarah@phoenixlabs.com]
Sent: Monday, April 06, 2015 3:58 PM
To: Rachel Griffiths; rowanenv1@aol.com
Cc: Tim Carr; Alyssa N. Epstein
Subject: RE: Marbledale Road, Tuckahoe - ASP-B Data Package

Rachel,

Should be ok there may be a charge to add these on now, I will let you know.
Going forward please mark on the chain that you need ASP B (we don't charge for these if added at time of sample receipt) it is in the lower right side of the chain even if you don't end up using them as full packages it will save a tremendous amount of time for our Deliverables Team to do upfront.
We will deliver the final package to you and you can add your Validator to this account so they can retrieve all excels and reports they need. Please give me their information once you have it. We do not send out a hard copy normally.

I will let you know the time frame of when you can expect the ASP Bs once I know.

Thanks and will let you know if anything comes up and we can't .
Sarah

-----Original Message-----
From: Rachel Griffiths [mailto:rgriffiths@hes-nj.com]

Sent: Monday, April 06, 2015 3:40 PM
To: Sarah - Phoenixlabs
Cc: Tim Carr; Alyssa N. Epstein
Subject: Marbledale Road, Tuckahoe - ASP-B Data Package

Hi Sarah!!

We will be needing data deliverables that meet the criteria for ASP-B data package for the following delivery groups (and select future data for this
project):

GBH82998
GBH79483
GBH78390
GBH78384

Do you need anything from me to go ahead and get started with this?

Ultimately, HES will receive the electronic copy and a data validator will receive the hard copy.

Give me a call if you'd like to discuss: 914-512-0779

Best,
Rachel

Rachel E. Griffiths
Geologist/Hydrogeologist

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Somers, New York 10589
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PHOENIX
Environmental Laboratories, Inc.

Friday, May 01, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH78384 - BH78389

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

May 01, 2015

SDG I.D.: GBH78384

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: HydroEnvironmental Solutions, Inc.

Project: 109 MARBLEDALE RD TUCKAHOE NY

Laboratory Project: GBH78384

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

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NY Analytical Services Protocol Format

May 01, 2015 **SDG I.D.: GBH78384**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Methodology Summary

Volatiles

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update V, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

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NY Analytical Services Protocol Format

May 01, 2015 **SDG I.D.: GBH78384**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Sample Id Cross Reference

Client Id	Lab Id	Matrix
TB-12 4-6	BH78384	SOLID
TB-12 28-30	BH78385	SOLID
TB-11 4-6	BH78386	SOLID
TB-11 21-23	BH78387	SOLID
TB-8 2-4	BH78388	SOLID
TB-8 20-22	BH78389	SOLID

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NY Analytical Services Protocol Format

May 01, 2015 **SDG I.D.: GBH78384**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BH78384	1,4-dioxane	02/26/15	03/04/15	03/04/15	JLI	Y
BH78384	Aluminum	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Antimony	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Arsenic	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Barium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Beryllium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Cadmium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Calcium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Chromium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Cobalt	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Copper	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Iron	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Lead	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Magnesium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Manganese	02/26/15	03/02/15	03/03/15	EK	Y
BH78384	Mercury	02/26/15	03/03/15	03/03/15	MA	Y
BH78384	Nickel	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Polychlorinated Biphenyls	02/26/15	03/02/15	03/03/15	AW	Y
BH78384	Potassium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Selenium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Semivolatiles	02/26/15	03/02/15	03/03/15	DD	Y
BH78384	Silver	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Sodium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Thallium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Total Cyanide (SW9010C Distillation)	02/26/15	03/02/15	03/02/15	O/EG	Y
BH78384	Vanadium	02/26/15	03/02/15	03/03/15	LK	Y
BH78384	Volatiles	02/26/15	03/04/15	03/04/15	JLI	Y
BH78384	Zinc	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	1,4-dioxane	02/26/15	03/03/15	03/03/15	JLI	Y
BH78385	Aluminum	02/26/15	03/02/15	03/04/15	LK	Y
BH78385	Antimony	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Arsenic	02/26/15	03/02/15	03/03/15	LK	Y

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May 01, 2015 **SDG I.D.: GBH78384**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BH78385	Barium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Beryllium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Cadmium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Calcium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Chromium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Cobalt	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Copper	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Iron	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Lead	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Magnesium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Manganese	02/26/15	03/02/15	03/03/15	EK	Y
BH78385	Mercury	02/26/15	03/03/15	03/03/15	MA	Y
BH78385	Nickel	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Polychlorinated Biphenyls	02/26/15	03/02/15	03/03/15	AW	Y
BH78385	Potassium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Selenium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Semivolatiles	02/26/15	03/02/15	03/02/15	DD	Y
BH78385	Silver	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Sodium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Thallium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Total Cyanide (SW9010C Distillation)	02/26/15	03/02/15	03/02/15	O/EG	Y
BH78385	Vanadium	02/26/15	03/02/15	03/03/15	LK	Y
BH78385	Volatiles	02/26/15	03/03/15	03/03/15	JLI	Y
BH78385	Zinc	02/26/15	03/02/15	03/03/15	LK	Y
BH78386	1,4-dioxane	02/27/15	03/03/15	03/03/15	JLI	Y
BH78386	Aluminum	02/27/15	03/02/15	03/04/15	LK	Y
BH78386	Antimony	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Arsenic	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Barium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Beryllium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Cadmium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Calcium	02/27/15	03/02/15	03/04/15	LK	Y
BH78386	Chromium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Cobalt	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Copper	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Iron	02/27/15	03/02/15	03/04/15	LK	Y
BH78386	Lead	02/27/15	03/02/15	03/03/15	LK	Y

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NY Analytical Services Protocol Format

May 01, 2015 **SDG I.D.: GBH78384**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BH78386	Magnesium	02/27/15	03/02/15	03/04/15	LK	Y
BH78386	Manganese	02/27/15	03/02/15	03/04/15	LK	Y
BH78386	Mercury	02/27/15	03/03/15	03/03/15	MA	Y
BH78386	Nickel	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Polychlorinated Biphenyls	02/27/15	03/02/15	03/03/15	AW	Y
BH78386	Potassium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Selenium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Semivolatiles	02/27/15	03/02/15	03/03/15	DD	Y
BH78386	Silver	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Sodium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Thallium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Total Cyanide (SW9010C Distillation)	02/27/15	03/02/15	03/02/15	O/EG	Y
BH78386	Vanadium	02/27/15	03/02/15	03/03/15	LK	Y
BH78386	Volatiles	02/27/15	03/03/15	03/03/15	JLI	Y
BH78386	Zinc	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	1,4-dioxane	02/27/15	03/03/15	03/03/15	JLI	Y
BH78387	Aluminum	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Antimony	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Arsenic	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Barium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Beryllium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Cadmium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Calcium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Chromium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Cobalt	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Copper	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Iron	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Lead	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Magnesium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Manganese	02/27/15	03/02/15	03/03/15	EK	Y
BH78387	Mercury	02/27/15	03/03/15	03/03/15	MA	Y
BH78387	Nickel	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Polychlorinated Biphenyls	02/27/15	03/02/15	03/03/15	AW	Y
BH78387	Potassium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Selenium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Semivolatiles	02/27/15	03/02/15	03/03/15	DD	Y
BH78387	Silver	02/27/15	03/02/15	03/03/15	LK	Y

Environmental Laboratories, Inc.
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May 01, 2015 **SDG I.D.: GBH78384**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BH78387	Sodium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Thallium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Total Cyanide (SW9010C Distillation)	02/27/15	03/04/15	03/04/15	O/B/E	Y
BH78387	Vanadium	02/27/15	03/02/15	03/03/15	LK	Y
BH78387	Volatiles	02/27/15	03/03/15	03/03/15	JLI	Y
BH78387	Zinc	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	1,4-dioxane	02/27/15	03/03/15	03/03/15	JLI	Y
BH78388	Aluminum	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Antimony	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Arsenic	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Barium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Beryllium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Cadmium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Calcium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Chromium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Cobalt	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Copper	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Iron	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Lead	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Magnesium	02/27/15	03/02/15	03/04/15	LK	Y
BH78388	Manganese	02/27/15	03/02/15	03/03/15	EK	Y
BH78388	Mercury	02/27/15	03/03/15	03/03/15	MA	Y
BH78388	Nickel	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Polychlorinated Biphenyls	02/27/15	03/02/15	03/03/15	AW	Y
BH78388	Potassium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Selenium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Semivolatiles	02/27/15	03/02/15	03/03/15	DD	Y
BH78388	Silver	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Sodium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Thallium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Total Cyanide (SW9010C Distillation)	02/27/15	03/04/15	03/04/15	O/B/E	Y
BH78388	Vanadium	02/27/15	03/02/15	03/03/15	LK	Y
BH78388	Volatiles	02/27/15	03/03/15	03/03/15	JLI	Y
BH78388	Zinc	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	1,4-dioxane	02/27/15	03/03/15	03/03/15	JLI	Y
BH78389	Aluminum	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Antimony	02/27/15	03/02/15	03/03/15	LK	Y

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May 01, 2015 **SDG I.D.: GBH78384**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BH78389	Arsenic	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Barium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Beryllium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Cadmium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Calcium	02/27/15	03/02/15	03/04/15	LK	Y
BH78389	Chromium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Cobalt	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Copper	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Iron	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Lead	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Magnesium	02/27/15	03/02/15	03/04/15	LK	Y
BH78389	Manganese	02/27/15	03/02/15	03/03/15	EK	Y
BH78389	Mercury	02/27/15	03/03/15	03/03/15	MA	Y
BH78389	Nickel	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Polychlorinated Biphenyls	02/27/15	03/02/15	03/03/15	AW	Y
BH78389	Potassium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Selenium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Semivolatiles	02/27/15	03/02/15	03/03/15	DD	Y
BH78389	Silver	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Sodium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Thallium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Total Cyanide (SW9010C Distillation)	02/27/15	03/04/15	03/04/15	O/B/E	Y
BH78389	Vanadium	02/27/15	03/02/15	03/03/15	LK	Y
BH78389	Volatiles	02/27/15	03/03/15	03/03/15	JLI	Y
BH78389	Zinc	02/27/15	03/02/15	03/03/15	LK	Y

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Analysis Report

May 01, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78384

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 4-6

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38		0.38	0.38	mg/Kg	1	03/03/15	LK	SW6010C
Aluminum	11400		38	7.5	mg/Kg	10	03/03/15	LK	SW6010C
Arsenic	2.7		0.8	0.75	mg/Kg	1	03/03/15	LK	SW6010C
Barium	92.2		0.8	0.38	mg/Kg	1	03/03/15	LK	SW6010C
Beryllium	0.38		0.30	0.15	mg/Kg	1	03/03/15	LK	SW6010C
Calcium	23900	N	38	35	mg/Kg	10	03/03/15	LK	SW6010C
Cadmium	< 0.38		0.38	0.15	mg/Kg	1	03/03/15	LK	SW6010C
Cobalt	10.2		0.38	0.38	mg/Kg	1	03/03/15	LK	SW6010C
Chromium	25.9		0.38	0.38	mg/Kg	1	03/03/15	LK	SW6010C
Copper	28.0		0.38	0.38	mg/kg	1	03/03/15	LK	SW6010C
Iron	18600		38	38	mg/Kg	10	03/03/15	LK	SW6010C
Mercury	0.10		0.03	0.02	mg/Kg	1	03/03/15	MA	SW7471B
Potassium	3630	N	75	29	mg/Kg	10	03/03/15	LK	SW6010C
Magnesium	8150		38	38	mg/Kg	10	03/03/15	LK	SW6010C
Manganese	297		3.8	3.8	mg/Kg	10	03/03/15	EK	SW6010C
Sodium	209	N	8	3.2	mg/Kg	1	03/03/15	LK	SW6010C
Nickel	21.3		0.38	0.38	mg/Kg	1	03/03/15	LK	SW6010C
Lead	37.4		0.8	0.38	mg/Kg	1	03/03/15	LK	SW6010C
Antimony	2.0		1.9	1.9	mg/Kg	1	03/03/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	03/03/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/03/15	LK	SW6010C
Vanadium	34.1		0.4	0.38	mg/Kg	1	03/03/15	LK	SW6010C
Zinc	64.5		0.8	0.38	mg/Kg	1	03/03/15	LK	SW6010C
Percent Solid	82				%		03/02/15	i	SW846-%Solid
Total Cyanide	< 0.61		0.61	0.30	mg/Kg	1	03/02/15	O/EG	SW9012B
Soil Extraction for PCB	Completed						03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed						03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 4-6

Phoenix I.D.: BH78384

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						03/02/15	CB/AG	SW3050B	
Polychlorinated Biphenyls										
PCB-1016	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1221	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1232	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1242	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1248	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1254	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1260	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1262	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
PCB-1268	ND		79	79	ug/Kg	2	03/03/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	88				%	2	03/03/15	AW	30 - 150 %	
% TCMX	76				%	2	03/03/15	AW	30 - 150 %	
1,4-dioxane										
1,4-dioxane	ND		82	82	ug/kg	1	03/04/15	JLI	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1-Dichloroethane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
1,1-Dichloroethene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dibromoethane	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichloroethane	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
1,2-Dichloropropane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
2-Hexanone	ND		20	4.1	ug/Kg	1	03/04/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		20	4.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Acetone	72	BS	41	4.1	ug/Kg	1	03/04/15	JLI	SW8260C	B*
Benzene	1.6	J	4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromochloromethane	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromodichloromethane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromoform	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
Bromomethane	ND		4.1	1.6	ug/Kg	1	03/04/15	JLI	SW8260C	
Carbon Disulfide	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
Carbon tetrachloride	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
Chlorobenzene	ND		4.1	4.1	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloroethane	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloroform	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
Chloromethane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
Dibromochloromethane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
Dichlorodifluoromethane	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
Ethylbenzene	2.7	J	4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
Isopropylbenzene	3.2	J	4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
m&p-Xylene	11		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
Methyl ethyl ketone	10	J	25	4.1	ug/Kg	1	03/04/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		8.2	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
Methylacetate	ND		4.1	2.0	ug/Kg	1	03/04/15	JLI	SW8260C
Methylcyclohexane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
Methylene chloride	ND		4.1	4.1	ug/Kg	1	03/04/15	JLI	SW8260C
o-Xylene	8.7		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
Styrene	0.63	J	4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
Tetrachloroethene	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
Toluene	1.1	J	4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
Total Xylenes	19.7		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
Trichloroethene	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
Trichlorofluoromethane	ND		4.1	0.82	ug/Kg	1	03/04/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
Vinyl chloride	ND		4.1	0.41	ug/Kg	1	03/04/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	03/04/15	JLI	70 - 130 %
% Bromofluorobenzene	92				%	1	03/04/15	JLI	70 - 130 %
% Dibromofluoromethane	77				%	1	03/04/15	JLI	70 - 130 %
% Toluene-d8	95				%	1	03/04/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	320	J	560	250	ug/Kg	2	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		560	280	ug/Kg	2	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		560	370	ug/Kg	2	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		560	440	ug/Kg	2	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		320	260	ug/Kg	2	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND		320	280	ug/Kg	2	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND		560	200	ug/Kg	2	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND		560	560	ug/Kg	2	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND		320	320	ug/Kg	2	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND		320	250	ug/Kg	2	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND		560	230	ug/Kg	2	03/03/15	DD	SW8270D
2-Chlorophenol	ND		560	230	ug/Kg	2	03/03/15	DD	SW8270D
2-Methylnaphthalene	1300		560	240	ug/Kg	2	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		560	380	ug/Kg	2	03/03/15	DD	SW8270D
2-Nitroaniline	ND		4000	810	ug/Kg	2	03/03/15	DD	SW8270D
2-Nitrophenol	ND		560	510	ug/Kg	2	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		560	320	ug/Kg	2	03/03/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		320	320	ug/Kg	2	03/03/15	DD	SW8270D
3-Nitroaniline	ND		4000	1700	ug/Kg	2	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		560	560	ug/Kg	2	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		560	240	ug/Kg	2	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 4-6

Phoenix I.D.: BH78384

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		560	280	ug/Kg	2	03/03/15	DD	SW8270D	
4-Chloroaniline	ND		1600	370	ug/Kg	2	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		560	270	ug/Kg	2	03/03/15	DD	SW8270D	
4-Nitroaniline	ND		4000	270	ug/Kg	2	03/03/15	DD	SW8270D	
4-Nitrophenol	ND		4000	360	ug/Kg	2	03/03/15	DD	SW8270D	
Acenaphthene	ND		560	240	ug/Kg	2	03/03/15	DD	SW8270D	
Acenaphthylene	ND		320	220	ug/Kg	2	03/03/15	DD	SW8270D	
Acetophenone	ND		560	250	ug/Kg	2	03/03/15	DD	SW8270D	
Anthracene	640		560	260	ug/Kg	2	03/03/15	DD	SW8270D	
Atrazine	ND		320	320	ug/Kg	2	03/03/15	DD	SW8270D	
Benz(a)anthracene	1400		560	270	ug/Kg	2	03/03/15	DD	SW8270D	
Benzaldehyde	ND		560	240	ug/Kg	2	03/03/15	DD	SW8270D	
Benzo(a)pyrene	2100		320	260	ug/Kg	2	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	2300		560	270	ug/Kg	2	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	1300		560	260	ug/Kg	2	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	840		560	270	ug/Kg	2	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND		560	210	ug/Kg	2	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		560	220	ug/Kg	2	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		320	220	ug/Kg	2	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		560	220	ug/Kg	2	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	560		560	230	ug/Kg	2	03/03/15	DD	SW8270D	
Caprolactam	ND		560	560	ug/Kg	2	03/03/15	DD	SW8270D	
Carbazole	ND		4000	610	ug/Kg	2	03/03/15	DD	SW8270D	
Chrysene	1500		560	270	ug/Kg	2	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	290	J	320	260	ug/Kg	2	03/03/15	DD	SW8270D	
Dibenzofuran	ND		560	230	ug/Kg	2	03/03/15	DD	SW8270D	
Diethyl phthalate	ND		560	250	ug/Kg	2	03/03/15	DD	SW8270D	
Dimethylphthalate	ND		560	250	ug/Kg	2	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND		560	210	ug/Kg	2	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND		560	210	ug/Kg	2	03/03/15	DD	SW8270D	
Fluoranthene	2500		560	260	ug/Kg	2	03/03/15	DD	SW8270D	
Fluorene	ND		560	260	ug/Kg	2	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND		320	230	ug/Kg	2	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND		560	290	ug/Kg	2	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		560	250	ug/Kg	2	03/03/15	DD	SW8270D	
Hexachloroethane	ND		320	240	ug/Kg	2	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	1200		560	270	ug/Kg	2	03/03/15	DD	SW8270D	
Isophorone	ND		320	220	ug/Kg	2	03/03/15	DD	SW8270D	
Naphthalene	ND		560	230	ug/Kg	2	03/03/15	DD	SW8270D	
Nitrobenzene	ND		320	280	ug/Kg	2	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		560	230	ug/Kg	2	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		320	260	ug/Kg	2	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		320	310	ug/Kg	2	03/03/15	DD	SW8270D	
Pentachlorophenol	ND		560	300	ug/Kg	2	03/03/15	DD	SW8270D	
Phenanthrene	1900		320	230	ug/Kg	2	03/03/15	DD	SW8270D	
Phenol	ND		560	260	ug/Kg	2	03/03/15	DD	SW8270D	
Pyrene	3500		560	280	ug/Kg	2	03/03/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	54				%	2	03/03/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 4-6

Phoenix I.D.: BH78384

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	68			%	2	03/03/15	DD	30 - 115 %
% 2-Fluorophenol	60			%	2	03/03/15	DD	25 - 121 %
% Nitrobenzene-d5	64			%	2	03/03/15	DD	23 - 120 %
% Phenol-d5	62			%	2	03/03/15	DD	24 - 113 %
% Terphenyl-d14	94			%	2	03/03/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

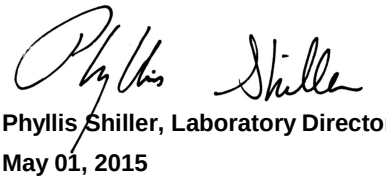
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 01, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 01, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78385

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 28-30

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37		0.37	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Aluminum	24900		370	73	mg/Kg	100	03/04/15	LK	SW6010C
Arsenic	1.5		0.7	0.73	mg/Kg	1	03/03/15	LK	SW6010C
Barium	157		0.7	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Beryllium	0.54		0.29	0.15	mg/Kg	1	03/03/15	LK	SW6010C
Calcium	11200	N	37	34	mg/Kg	10	03/03/15	LK	SW6010C
Cadmium	< 0.37		0.37	0.15	mg/Kg	1	03/03/15	LK	SW6010C
Cobalt	15.0		0.37	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Chromium	37.8		0.37	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Copper	107		0.37	0.37	mg/kg	1	03/03/15	LK	SW6010C
Iron	28800		37	37	mg/Kg	10	03/03/15	LK	SW6010C
Mercury	0.10		0.03	0.02	mg/Kg	1	03/03/15	MA	SW7471B
Potassium	5300	N	73	29	mg/Kg	10	03/03/15	LK	SW6010C
Magnesium	11100		37	37	mg/Kg	10	03/03/15	LK	SW6010C
Manganese	380		3.7	3.7	mg/Kg	10	03/03/15	EK	SW6010C
Sodium	312	N	7	3.2	mg/Kg	1	03/03/15	LK	SW6010C
Nickel	28.9		0.37	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Lead	95.8		0.7	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Antimony	< 1.8		1.8	1.8	mg/Kg	1	03/03/15	LK	SW6010C
Selenium	< 1.5		1.5	1.2	mg/Kg	1	03/03/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/03/15	LK	SW6010C
Vanadium	47.9		0.4	0.37	mg/Kg	1	03/03/15	LK	SW6010C
Zinc	168		7.3	3.7	mg/Kg	10	03/03/15	LK	SW6010C
Percent Solid	84				%		03/02/15	i	SW846-%Solid
Total Cyanide	< 0.54		0.54	0.27	mg/Kg	1	03/02/15	O/EG	SW9012B
Soil Extraction for PCB	Completed						03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed						03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 28-30

Phoenix I.D.: BH78385

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1221	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1232	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1242	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1248	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1254	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1260	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1262	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1268	ND		78	78	ug/Kg	2	03/03/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	81				%	2	03/03/15	AW	30 - 150 %
% TCMX	77				%	2	03/03/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	100	ug/kg	1	03/03/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
2-Hexanone	ND		25	5.1	ug/Kg	1	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		25	5.1	ug/Kg	1	03/03/15	JLI	SW8260C
Acetone	62	S	51	5.1	ug/Kg	1	03/03/15	JLI	SW8260C
Benzene	1.1	J	5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Bromochloromethane	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Bromodichloromethane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Bromoform	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Bromomethane	ND		5.1	2.0	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon Disulfide	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Chlorobenzene	ND		5.1	5.1	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroethane	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroform	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Chloromethane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Dibromochloromethane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Ethylbenzene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Isopropylbenzene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
m&p-Xylene	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND		30	5.1	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Methylacetate	ND		5.1	2.5	ug/Kg	1	03/03/15	JLI	SW8260C
Methylcyclohexane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Methylene chloride	ND		5.1	5.1	ug/Kg	1	03/03/15	JLI	SW8260C
o-Xylene	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Styrene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Tetrachloroethene	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Toluene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Total Xylenes	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Trichloroethene	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.1	1.0	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
Vinyl chloride	ND		5.1	0.51	ug/Kg	1	03/03/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	100				%	1	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	96				%	1	03/03/15	JLI	70 - 130 %
% Toluene-d8	97				%	1	03/03/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		270	120	ug/Kg	1	03/02/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		270	140	ug/Kg	1	03/02/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		270	180	ug/Kg	1	03/02/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		270	210	ug/Kg	1	03/02/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		150	120	ug/Kg	1	03/02/15	DD	SW8270D
2,4-Dichlorophenol	ND		150	140	ug/Kg	1	03/02/15	DD	SW8270D
2,4-Dimethylphenol	ND		270	96	ug/Kg	1	03/02/15	DD	SW8270D
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	03/02/15	DD	SW8270D
2,4-Dinitrotoluene	ND		150	150	ug/Kg	1	03/02/15	DD	SW8270D
2,6-Dinitrotoluene	ND		150	120	ug/Kg	1	03/02/15	DD	SW8270D
2-Chloronaphthalene	ND		270	110	ug/Kg	1	03/02/15	DD	SW8270D
2-Chlorophenol	ND		270	110	ug/Kg	1	03/02/15	DD	SW8270D
2-Methylnaphthalene	150	J	270	110	ug/Kg	1	03/02/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	03/02/15	DD	SW8270D
2-Nitroaniline	ND		1900	390	ug/Kg	1	03/02/15	DD	SW8270D
2-Nitrophenol	ND		270	240	ug/Kg	1	03/02/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	03/02/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		150	150	ug/Kg	1	03/02/15	DD	SW8270D
3-Nitroaniline	ND		1900	840	ug/Kg	1	03/02/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		270	270	ug/Kg	1	03/02/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	03/02/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-12 28-30

Phoenix I.D.: BH78385

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	1	03/02/15	DD	SW8270D	
4-Chloroaniline	ND		770	180	ug/Kg	1	03/02/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
4-Nitroaniline	ND		1900	130	ug/Kg	1	03/02/15	DD	SW8270D	
4-Nitrophenol	ND		1900	170	ug/Kg	1	03/02/15	DD	SW8270D	
Acenaphthene	270	J	270	120	ug/Kg	1	03/02/15	DD	SW8270D	
Acenaphthylene	ND		150	110	ug/Kg	1	03/02/15	DD	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	03/02/15	DD	SW8270D	
Anthracene	570		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
Atrazine	ND		150	150	ug/Kg	1	03/02/15	DD	SW8270D	
Benz(a)anthracene	860		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
Benzaldehyde	ND		270	110	ug/Kg	1	03/02/15	DD	SW8270D	
Benzo(a)pyrene	750		150	130	ug/Kg	1	03/02/15	DD	SW8270D	
Benzo(b)fluoranthene	980		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
Benzo(ghi)perylene	490		270	120	ug/Kg	1	03/02/15	DD	SW8270D	
Benzo(k)fluoranthene	420		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
Benzyl butyl phthalate	ND		270	99	ug/Kg	1	03/02/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	03/02/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	1	03/02/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	03/02/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	640		270	110	ug/Kg	1	03/02/15	DD	SW8270D	
Caprolactam	ND		270	270	ug/Kg	1	03/02/15	DD	SW8270D	
Carbazole	830	J	1900	290	ug/Kg	1	03/02/15	DD	SW8270D	
Chrysene	940		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	1	03/02/15	DD	SW8270D	
Dibenzofuran	280		270	110	ug/Kg	1	03/02/15	DD	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	03/02/15	DD	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	03/02/15	DD	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	03/02/15	DD	SW8270D	
Di-n-octylphthalate	ND		270	99	ug/Kg	1	03/02/15	DD	SW8270D	
Fluoranthene	2600		270	120	ug/Kg	1	03/02/15	DD	SW8270D	
Fluorene	400		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
Hexachlorobenzene	ND		150	110	ug/Kg	1	03/02/15	DD	SW8270D	
Hexachlorobutadiene	ND		270	140	ug/Kg	1	03/02/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	03/02/15	DD	SW8270D	
Hexachloroethane	ND		150	120	ug/Kg	1	03/02/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	420		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
Isophorone	ND		150	110	ug/Kg	1	03/02/15	DD	SW8270D	
Naphthalene	ND		270	110	ug/Kg	1	03/02/15	DD	SW8270D	
Nitrobenzene	ND		150	130	ug/Kg	1	03/02/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	03/02/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	1	03/02/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		150	150	ug/Kg	1	03/02/15	DD	SW8270D	
Pentachlorophenol	ND		270	150	ug/Kg	1	03/02/15	DD	SW8270D	
Phenanthrene	2500		150	110	ug/Kg	1	03/02/15	DD	SW8270D	
Phenol	ND		270	120	ug/Kg	1	03/02/15	DD	SW8270D	
Pyrene	2200		270	130	ug/Kg	1	03/02/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	89				%	1	03/02/15	DD	19 - 122 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	83			%	1	03/02/15	DD	30 - 115 %
% 2-Fluorophenol	74			%	1	03/02/15	DD	25 - 121 %
% Nitrobenzene-d5	78			%	1	03/02/15	DD	23 - 120 %
% Phenol-d5	77			%	1	03/02/15	DD	24 - 113 %
% Terphenyl-d14	117			%	1	03/02/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

May 01, 2015

Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 01, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78386

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 4-6

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39		0.39	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Aluminum	8040		39	7.8	mg/Kg	10	03/04/15	LK	SW6010C
Arsenic	2.8		0.8	0.78	mg/Kg	1	03/03/15	LK	SW6010C
Barium	57.6		0.8	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Beryllium	< 0.31		0.31	0.16	mg/Kg	1	03/03/15	LK	SW6010C
Calcium	37000	N	39	36	mg/Kg	10	03/04/15	LK	SW6010C
Cadmium	< 0.39		0.39	0.16	mg/Kg	1	03/03/15	LK	SW6010C
Cobalt	8.80		0.39	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Chromium	17.0		0.39	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Copper	72.0		0.39	0.39	mg/kg	1	03/03/15	LK	SW6010C
Iron	18300		39	39	mg/Kg	10	03/04/15	LK	SW6010C
Mercury	0.03		0.03	0.02	mg/Kg	1	03/03/15	MA	SW7471B
Potassium	1940	N	8	3.0	mg/Kg	1	03/03/15	LK	SW6010C
Magnesium	15000		39	39	mg/Kg	10	03/04/15	LK	SW6010C
Manganese	201		3.9	3.9	mg/Kg	10	03/04/15	LK	SW6010C
Sodium	414	N	8	3.3	mg/Kg	1	03/03/15	LK	SW6010C
Nickel	13.8		0.39	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Lead	28.0		0.8	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	03/03/15	LK	SW6010C
Selenium	< 1.6		1.6	1.3	mg/Kg	1	03/03/15	LK	SW6010C
Thallium	< 1.6		1.6	1.6	mg/Kg	1	03/03/15	LK	SW6010C
Vanadium	40.4		0.4	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Zinc	49.1		0.8	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Percent Solid	88				%		03/02/15	i	SW846-%Solid
Total Cyanide	< 0.57		0.57	0.28	mg/Kg	1	03/02/15	O/EG	SW9012B
Soil Extraction for PCB	Completed						03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed						03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 4-6

Phoenix I.D.: BH78386

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1221	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1232	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1242	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1248	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1254	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1260	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1262	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1268	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	86				%	2	03/03/15	AW	30 - 150 %
% TCMX	84				%	2	03/03/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	100	ug/kg	1	03/03/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
2-Hexanone	ND		29	5.8	ug/Kg	1	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		29	5.8	ug/Kg	1	03/03/15	JLI	SW8260C
Acetone	16	JS	50	5.8	ug/Kg	1	03/03/15	JLI	SW8260C
Benzene	3.0	J	5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Bromochloromethane	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Bromodichloromethane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Bromoform	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Bromomethane	ND		5.8	2.3	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon Disulfide	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Chlorobenzene	ND		5.8	5.8	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroethane	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroform	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Chloromethane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Dibromochloromethane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Ethylbenzene	0.81	J	5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Isopropylbenzene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
m&p-Xylene	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND		35	5.8	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Methylacetate	ND		5.8	2.9	ug/Kg	1	03/03/15	JLI	SW8260C
Methylcyclohexane	2.0	J	5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Methylene chloride	ND		5.8	5.8	ug/Kg	1	03/03/15	JLI	SW8260C
o-Xylene	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Styrene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Tetrachloroethene	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Toluene	0.72	J	5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Total Xylenes	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Trichloroethene	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.8	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
Vinyl chloride	ND		5.8	0.58	ug/Kg	1	03/03/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	99				%	1	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	94				%	1	03/03/15	JLI	70 - 130 %
% Toluene-d8	96				%	1	03/03/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		2600	1300	ug/Kg	10	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		2600	1700	ug/Kg	10	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		2600	2000	ug/Kg	10	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		1500	1200	ug/Kg	10	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND		1500	1300	ug/Kg	10	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND		2600	920	ug/Kg	10	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND		2600	2600	ug/Kg	10	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND		1500	1500	ug/Kg	10	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND		1500	1200	ug/Kg	10	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D
2-Chlorophenol	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D
2-Methylnaphthalene	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		2600	1800	ug/Kg	10	03/03/15	DD	SW8270D
2-Nitroaniline	ND		19000	3800	ug/Kg	10	03/03/15	DD	SW8270D
2-Nitrophenol	ND		2600	2400	ug/Kg	10	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		2600	1500	ug/Kg	10	03/03/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		1500	1500	ug/Kg	10	03/03/15	DD	SW8270D
3-Nitroaniline	ND		19000	8100	ug/Kg	10	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		2600	2600	ug/Kg	10	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 4-6

Phoenix I.D.: BH78386

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		2600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
4-Chloroaniline	ND		7500	1700	ug/Kg	10	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		2600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
4-Nitroaniline	ND		19000	1200	ug/Kg	10	03/03/15	DD	SW8270D	
4-Nitrophenol	ND		19000	1700	ug/Kg	10	03/03/15	DD	SW8270D	
Acenaphthene	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Acenaphthylene	ND		1500	1000	ug/Kg	10	03/03/15	DD	SW8270D	
Acetophenone	ND		2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Anthracene	ND		2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Atrazine	ND		1500	1500	ug/Kg	10	03/03/15	DD	SW8270D	
Benz(a)anthracene	2800		2600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Benzaldehyde	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Benzo(a)pyrene	3400		1500	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	4000		2600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	2400	J	2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	1600	J	2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND		2600	960	ug/Kg	10	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		2600	1000	ug/Kg	10	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		1500	1000	ug/Kg	10	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		2600	1000	ug/Kg	10	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Caprolactam	ND		2600	2600	ug/Kg	10	03/03/15	DD	SW8270D	
Carbazole	ND		19000	2800	ug/Kg	10	03/03/15	DD	SW8270D	
Chrysene	2900		2600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		1500	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Dibenzofuran	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Diethyl phthalate	ND		2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Dimethylphthalate	ND		2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND		2600	990	ug/Kg	10	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND		2600	960	ug/Kg	10	03/03/15	DD	SW8270D	
Fluoranthene	6700		2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Fluorene	ND		2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND		1500	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND		2600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Hexachloroethane	ND		1500	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	2100	J	2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Isophorone	ND		1500	1000	ug/Kg	10	03/03/15	DD	SW8270D	
Naphthalene	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Nitrobenzene	ND		1500	1300	ug/Kg	10	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		2600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		1500	1200	ug/Kg	10	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		1500	1400	ug/Kg	10	03/03/15	DD	SW8270D	
Pentachlorophenol	ND		2600	1400	ug/Kg	10	03/03/15	DD	SW8270D	
Phenanthrene	3600		1500	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Phenol	ND		2600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Pyrene	5400		2600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	61				%	10	03/03/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 4-6

Phoenix I.D.: BH78386

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	74			%	10	03/03/15	DD	30 - 115 %
% 2-Fluorophenol	63			%	10	03/03/15	DD	25 - 121 %
% Nitrobenzene-d5	68			%	10	03/03/15	DD	23 - 120 %
% Phenol-d5	67			%	10	03/03/15	DD	24 - 113 %
% Terphenyl-d14	87			%	10	03/03/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 01, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 01, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78387

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 21-23

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36		0.36	0.36	mg/Kg	1	03/03/15	LK	SW6010C
Aluminum	3670		36	7.3	mg/Kg	10	03/03/15	LK	SW6010C
Arsenic	3.2		0.7	0.73	mg/Kg	1	03/03/15	LK	SW6010C
Barium	29.3		0.7	0.36	mg/Kg	1	03/03/15	LK	SW6010C
Beryllium	< 0.29		0.29	0.15	mg/Kg	1	03/03/15	LK	SW6010C
Calcium	86900	N	36	33	mg/Kg	10	03/03/15	LK	SW6010C
Cadmium	< 0.36		0.36	0.15	mg/Kg	1	03/03/15	LK	SW6010C
Cobalt	4.61		0.36	0.36	mg/Kg	1	03/03/15	LK	SW6010C
Chromium	16.6		0.36	0.36	mg/Kg	1	03/03/15	LK	SW6010C
Copper	17.7		0.36	0.36	mg/kg	1	03/03/15	LK	SW6010C
Iron	8550		3.6	3.6	mg/Kg	1	03/03/15	LK	SW6010C
Mercury	< 0.03		0.03	0.02	mg/Kg	1	03/03/15	MA	SW7471B
Potassium	1230	N	73	28	mg/Kg	10	03/03/15	LK	SW6010C
Magnesium	48600		36	36	mg/Kg	10	03/03/15	LK	SW6010C
Manganese	165		3.6	3.6	mg/Kg	10	03/03/15	EK	SW6010C
Sodium	261	N	7	3.1	mg/Kg	1	03/03/15	LK	SW6010C
Nickel	11.4		0.36	0.36	mg/Kg	1	03/03/15	LK	SW6010C
Lead	37.5		0.7	0.36	mg/Kg	1	03/03/15	LK	SW6010C
Antimony	< 1.8		1.8	1.8	mg/Kg	1	03/03/15	LK	SW6010C
Selenium	< 1.5		1.5	1.2	mg/Kg	1	03/03/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/03/15	LK	SW6010C
Vanadium	33.8		0.4	0.36	mg/Kg	1	03/03/15	LK	SW6010C
Zinc	36.9		0.7	0.36	mg/Kg	1	03/03/15	LK	SW6010C
Percent Solid	85				%		03/02/15	i	SW846-%Solid
Total Cyanide	< 0.59		0.59	0.29	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed						03/03/15	I/I	SW7471B

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1221	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1232	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1242	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1248	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1254	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1260	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1262	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1268	ND		77	77	ug/Kg	2	03/03/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	86				%	2	03/03/15	AW	30 - 150 %
% TCMX	84				%	2	03/03/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	100	ug/kg	1	03/03/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
2-Hexanone	ND		30	6.1	ug/Kg	1	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		30	6.1	ug/Kg	1	03/03/15	JLI	SW8260C
Acetone	41	JS	50	6.1	ug/Kg	1	03/03/15	JLI	SW8260C
Benzene	0.78	J	6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Bromochloromethane	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Bromodichloromethane	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Bromoform	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Bromomethane	ND		6.1	2.4	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon Disulfide	3.3	J	6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Chlorobenzene	ND		6.1	6.1	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroethane	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroform	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Chloromethane	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	1.6	J	6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Dibromochloromethane	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	2.7	J	6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Ethylbenzene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Isopropylbenzene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
m&p-Xylene	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND		36	6.1	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Methylacetate	ND		6.1	3.0	ug/Kg	1	03/03/15	JLI	SW8260C
Methylcyclohexane	4.0	J	6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Methylene chloride	ND		6.1	6.1	ug/Kg	1	03/03/15	JLI	SW8260C
o-Xylene	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Styrene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Tetrachloroethene	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Toluene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Total Xylenes	ND		6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Trichloroethene	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorofluoromethane	2.7	J	6.1	1.2	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
Vinyl chloride	ND		6.1	0.61	ug/Kg	1	03/03/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	97				%	1	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	74				%	1	03/03/15	JLI	70 - 130 %
% Toluene-d8	97				%	1	03/03/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		2700	1400	ug/Kg	10	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		2700	1800	ug/Kg	10	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		2700	2100	ug/Kg	10	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		1600	1200	ug/Kg	10	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND		1600	1400	ug/Kg	10	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND		2700	960	ug/Kg	10	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND		2700	2700	ug/Kg	10	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND		1600	1500	ug/Kg	10	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND		1600	1200	ug/Kg	10	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND		2700	1100	ug/Kg	10	03/03/15	DD	SW8270D
2-Chlorophenol	ND		2700	1100	ug/Kg	10	03/03/15	DD	SW8270D
2-Methylnaphthalene	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		2700	1800	ug/Kg	10	03/03/15	DD	SW8270D
2-Nitroaniline	ND		19000	3900	ug/Kg	10	03/03/15	DD	SW8270D
2-Nitrophenol	ND		2700	2500	ug/Kg	10	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		2700	1500	ug/Kg	10	03/03/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		1600	1600	ug/Kg	10	03/03/15	DD	SW8270D
3-Nitroaniline	ND		19000	8500	ug/Kg	10	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		2700	2700	ug/Kg	10	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		2700	1100	ug/Kg	10	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11 21-23

Phoenix I.D.: BH78387

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		2700	1400	ug/Kg	10	03/03/15	DD	SW8270D	
4-Chloroaniline	ND		7800	1800	ug/Kg	10	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
4-Nitroaniline	ND		19000	1300	ug/Kg	10	03/03/15	DD	SW8270D	
4-Nitrophenol	ND		19000	1800	ug/Kg	10	03/03/15	DD	SW8270D	
Acenaphthene	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Acenaphthylene	ND		1600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Acetophenone	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Anthracene	2000	J	2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Atrazine	ND		1600	1600	ug/Kg	10	03/03/15	DD	SW8270D	
Benz(a)anthracene	3700		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Benzaldehyde	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Benzo(a)pyrene	3000		1600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	3900		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	1400	J	2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	ND		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND		2700	1000	ug/Kg	10	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		2700	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		1600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		2700	1100	ug/Kg	10	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	1200	J	2700	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Caprolactam	ND		2700	2700	ug/Kg	10	03/03/15	DD	SW8270D	
Carbazole	ND		19000	2900	ug/Kg	10	03/03/15	DD	SW8270D	
Chrysene	3300		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		1600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Dibenzofuran	ND		2700	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Diethyl phthalate	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Dimethylphthalate	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND		2700	1000	ug/Kg	10	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND		2700	1000	ug/Kg	10	03/03/15	DD	SW8270D	
Fluoranthene	9100		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Fluorene	ND		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND		1600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND		2700	1400	ug/Kg	10	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Hexachloroethane	ND		1600	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
Isophorone	ND		1600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Naphthalene	ND		2700	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Nitrobenzene	ND		1600	1400	ug/Kg	10	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		2700	1100	ug/Kg	10	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		1600	1300	ug/Kg	10	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		1600	1500	ug/Kg	10	03/03/15	DD	SW8270D	
Pentachlorophenol	ND		2700	1500	ug/Kg	10	03/03/15	DD	SW8270D	
Phenanthrene	6500		1600	1100	ug/Kg	10	03/03/15	DD	SW8270D	
Phenol	ND		2700	1200	ug/Kg	10	03/03/15	DD	SW8270D	
Pyrene	7400		2700	1300	ug/Kg	10	03/03/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	65				%	10	03/03/15	DD	19 - 122 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	78			%	10	03/03/15	DD	30 - 115 %
% 2-Fluorophenol	63			%	10	03/03/15	DD	25 - 121 %
% Nitrobenzene-d5	71			%	10	03/03/15	DD	23 - 120 %
% Phenol-d5	72			%	10	03/03/15	DD	24 - 113 %
% Terphenyl-d14	90			%	10	03/03/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

May 01, 2015

Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 01, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78388

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 2-4

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39		0.39	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Aluminum	7340		39	7.7	mg/Kg	10	03/03/15	LK	SW6010C
Arsenic	4.7		0.8	0.77	mg/Kg	1	03/03/15	LK	SW6010C
Barium	195		0.8	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Beryllium	< 0.31		0.31	0.15	mg/Kg	1	03/03/15	LK	SW6010C
Calcium	108000	N	39	35	mg/Kg	10	03/03/15	LK	SW6010C
Cadmium	< 0.39		0.39	0.15	mg/Kg	1	03/03/15	LK	SW6010C
Cobalt	4.69		0.39	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Chromium	12.9		0.39	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Copper	37.7		0.39	0.39	mg/kg	1	03/03/15	LK	SW6010C
Iron	18800		39	39	mg/Kg	10	03/03/15	LK	SW6010C
Mercury	< 0.03		0.03	0.02	mg/Kg	1	03/03/15	MA	SW7471B
Potassium	1300	N	77	30	mg/Kg	10	03/03/15	LK	SW6010C
Magnesium	66500		390	390	mg/Kg	100	03/04/15	LK	SW6010C
Manganese	282		3.9	3.9	mg/Kg	10	03/03/15	EK	SW6010C
Sodium	101	N	8	3.3	mg/Kg	1	03/03/15	LK	SW6010C
Nickel	10.7		0.39	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Lead	30.3		0.8	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Antimony	2.0		1.9	1.9	mg/Kg	1	03/03/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	03/03/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/03/15	LK	SW6010C
Vanadium	17.6		0.4	0.39	mg/Kg	1	03/03/15	LK	SW6010C
Zinc	229		7.7	3.9	mg/Kg	10	03/03/15	LK	SW6010C
Percent Solid	90				%		03/02/15	i	SW846-%Solid
Total Cyanide	1.66		0.56	0.28	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed						03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 2-4

Phoenix I.D.: BH78388

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1221	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1232	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1242	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1248	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1254	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1260	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1262	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1268	ND		74	74	ug/Kg	2	03/03/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	78				%	2	03/03/15	AW	30 - 150 %
% TCMX	82				%	2	03/03/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	100	ug/kg	1	03/03/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
2-Hexanone	ND		28	5.6	ug/Kg	1	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		28	5.6	ug/Kg	1	03/03/15	JLI	SW8260C
Acetone	16	JS	50	5.6	ug/Kg	1	03/03/15	JLI	SW8260C
Benzene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Bromochloromethane	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Bromodichloromethane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Bromoform	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Bromomethane	ND		5.6	2.2	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon Disulfide	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Chlorobenzene	ND		5.6	5.6	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroethane	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroform	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Chloromethane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Dibromochloromethane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Ethylbenzene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Isopropylbenzene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
m&p-Xylene	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND		33	5.6	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Methylacetate	ND		5.6	2.8	ug/Kg	1	03/03/15	JLI	SW8260C
Methylcyclohexane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Methylene chloride	ND		5.6	5.6	ug/Kg	1	03/03/15	JLI	SW8260C
o-Xylene	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Styrene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Tetrachloroethene	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Toluene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Total Xylenes	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Trichloroethene	330	D	290	29	ug/Kg	38	03/03/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.6	1.1	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
Vinyl chloride	ND		5.6	0.56	ug/Kg	1	03/03/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	1	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	96				%	1	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	91				%	1	03/03/15	JLI	70 - 130 %
% Toluene-d8	99				%	1	03/03/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		260	170	ug/Kg	1	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	1	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		150	120	ug/Kg	1	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND		150	130	ug/Kg	1	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND		260	92	ug/Kg	1	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND		150	150	ug/Kg	1	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND		150	120	ug/Kg	1	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D
2-Chlorophenol	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D
2-Methylnaphthalene	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	03/03/15	DD	SW8270D
2-Nitroaniline	ND		1800	370	ug/Kg	1	03/03/15	DD	SW8270D
2-Nitrophenol	ND		260	230	ug/Kg	1	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	03/03/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		150	150	ug/Kg	1	03/03/15	DD	SW8270D
3-Nitroaniline	ND		1800	800	ug/Kg	1	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		260	260	ug/Kg	1	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 2-4

Phoenix I.D.: BH78388

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	03/03/15	DD	SW8270D	
4-Chloroaniline	ND		740	170	ug/Kg	1	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
4-Nitroaniline	ND		1800	120	ug/Kg	1	03/03/15	DD	SW8270D	
4-Nitrophenol	ND		1800	170	ug/Kg	1	03/03/15	DD	SW8270D	
Acenaphthene	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Acenaphthylene	ND		150	100	ug/Kg	1	03/03/15	DD	SW8270D	
Acetophenone	ND		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Anthracene	ND		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Atrazine	ND		150	150	ug/Kg	1	03/03/15	DD	SW8270D	
Benz(a)anthracene	270		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzaldehyde	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(a)pyrene	260		150	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	350		260	130	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	180	J	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	150	J	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND		260	95	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	900		260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Caprolactam	ND		260	260	ug/Kg	1	03/03/15	DD	SW8270D	
Carbazole	ND		1800	280	ug/Kg	1	03/03/15	DD	SW8270D	
Chrysene	300		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	1	03/03/15	DD	SW8270D	
Dibenzofuran	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Diethyl phthalate	ND		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Dimethylphthalate	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND		260	98	ug/Kg	1	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND		260	95	ug/Kg	1	03/03/15	DD	SW8270D	
Fluoranthene	670		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Fluorene	ND		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND		150	110	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND		260	130	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachloroethane	ND		150	110	ug/Kg	1	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	150	J	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Isophorone	ND		150	100	ug/Kg	1	03/03/15	DD	SW8270D	
Naphthalene	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Nitrobenzene	ND		150	130	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	1	03/03/15	DD	SW8270D	
Pentachlorophenol	ND		260	140	ug/Kg	1	03/03/15	DD	SW8270D	
Phenanthrene	460		150	110	ug/Kg	1	03/03/15	DD	SW8270D	
Phenol	ND		260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Pyrene	540		260	130	ug/Kg	1	03/03/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	73				%	1	03/03/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 2-4

Phoenix I.D.: BH78388

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	75			%	1	03/03/15	DD	30 - 115 %
% 2-Fluorophenol	63			%	1	03/03/15	DD	25 - 121 %
% Nitrobenzene-d5	71			%	1	03/03/15	DD	23 - 120 %
% Phenol-d5	69			%	1	03/03/15	DD	24 - 113 %
% Terphenyl-d14	88			%	1	03/03/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 01, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 01, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78384
Phoenix ID: BH78389

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 20-22

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34		0.34	0.34	mg/Kg	1	03/03/15	LK	SW6010C
Aluminum	5740		34	6.7	mg/Kg	10	03/03/15	LK	SW6010C
Arsenic	0.9		0.7	0.67	mg/Kg	1	03/03/15	LK	SW6010C
Barium	17.0		0.7	0.34	mg/Kg	1	03/03/15	LK	SW6010C
Beryllium	< 0.27		0.27	0.13	mg/Kg	1	03/03/15	LK	SW6010C
Calcium	168000	N	3400	3100	mg/Kg	1000	03/04/15	LK	SW6010C
Cadmium	< 0.34		0.34	0.13	mg/Kg	1	03/03/15	LK	SW6010C
Cobalt	2.68		0.34	0.34	mg/Kg	1	03/03/15	LK	SW6010C
Chromium	7.23		0.34	0.34	mg/Kg	1	03/03/15	LK	SW6010C
Copper	4.26		0.34	0.34	mg/kg	1	03/03/15	LK	SW6010C
Iron	5030		3.4	3.4	mg/Kg	1	03/03/15	LK	SW6010C
Mercury	< 0.03		0.03	0.02	mg/Kg	1	03/03/15	MA	SW7471B
Potassium	353	N	7	2.6	mg/Kg	1	03/03/15	LK	SW6010C
Magnesium	83800		3400	3400	mg/Kg	1000	03/04/15	LK	SW6010C
Manganese	136		3.4	3.4	mg/Kg	10	03/03/15	EK	SW6010C
Sodium	32	N	7	2.9	mg/Kg	1	03/03/15	LK	SW6010C
Nickel	5.77		0.34	0.34	mg/Kg	1	03/03/15	LK	SW6010C
Lead	5.1		0.7	0.34	mg/Kg	1	03/03/15	LK	SW6010C
Antimony	< 1.7		1.7	1.7	mg/Kg	1	03/03/15	LK	SW6010C
Selenium	< 1.3		1.3	1.1	mg/Kg	1	03/03/15	LK	SW6010C
Thallium	< 1.3		1.3	1.3	mg/Kg	1	03/03/15	LK	SW6010C
Vanadium	8.8		0.3	0.34	mg/Kg	1	03/03/15	LK	SW6010C
Zinc	158		6.7	3.4	mg/Kg	10	03/03/15	LK	SW6010C
Percent Solid	91				%		03/02/15	i	SW846-%Solid
Total Cyanide	2.93		0.50	0.25	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/02/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/02/15	CJ/VH	SW3545A
Mercury Digestion	Completed						03/03/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 20-22

Phoenix I.D.: BH78389

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/02/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1221	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1232	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1242	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1248	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1254	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1260	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1262	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
PCB-1268	ND		71	71	ug/Kg	2	03/03/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	53				%	2	03/03/15	AW	30 - 150 %
% TCMX	59				%	2	03/03/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		87	87	ug/kg	1	03/03/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
1,1-Dichloroethene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dibromoethane	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloroethane	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
1,2-Dichloropropane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
2-Hexanone	ND		22	4.3	ug/Kg	1	03/03/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		22	4.3	ug/Kg	1	03/03/15	JLI	SW8260C
Acetone	6.5	JS	43	4.3	ug/Kg	1	03/03/15	JLI	SW8260C
Benzene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Bromochloromethane	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Bromodichloromethane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Bromoform	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Bromomethane	ND		4.3	1.7	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon Disulfide	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Carbon tetrachloride	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Chlorobenzene	ND		280	280	ug/Kg	36	03/03/15	JLI	SW8260C
Chloroethane	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Chloroform	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Chloromethane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Dibromochloromethane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Dichlorodifluoromethane	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Ethylbenzene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Isopropylbenzene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
m&p-Xylene	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl ethyl ketone	ND		26	4.3	ug/Kg	1	03/03/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		8.7	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Methylacetate	ND		4.3	2.2	ug/Kg	1	03/03/15	JLI	SW8260C
Methylcyclohexane	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Methylene chloride	ND		4.3	4.3	ug/Kg	1	03/03/15	JLI	SW8260C
o-Xylene	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Styrene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Tetrachloroethene	2.7	J	4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Toluene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Total Xylenes	ND		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Trichloroethene	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorofluoromethane	7.0		4.3	0.87	ug/Kg	1	03/03/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
Vinyl chloride	ND		4.3	0.43	ug/Kg	1	03/03/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	03/03/15	JLI	70 - 130 %
% Bromofluorobenzene	98				%	1	03/03/15	JLI	70 - 130 %
% Dibromofluoromethane	100				%	1	03/03/15	JLI	70 - 130 %
% Toluene-d8	97				%	1	03/03/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		260	170	ug/Kg	1	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	1	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		150	120	ug/Kg	1	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND		150	130	ug/Kg	1	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND		260	90	ug/Kg	1	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND		150	140	ug/Kg	1	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND		150	120	ug/Kg	1	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND		260	100	ug/Kg	1	03/03/15	DD	SW8270D
2-Chlorophenol	ND		260	100	ug/Kg	1	03/03/15	DD	SW8270D
2-Methylnaphthalene	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	03/03/15	DD	SW8270D
2-Nitroaniline	ND		1800	370	ug/Kg	1	03/03/15	DD	SW8270D
2-Nitrophenol	ND		260	230	ug/Kg	1	03/03/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	1	03/03/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		150	150	ug/Kg	1	03/03/15	DD	SW8270D
3-Nitroaniline	ND		1800	790	ug/Kg	1	03/03/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		260	260	ug/Kg	1	03/03/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 20-22

Phoenix I.D.: BH78389

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	03/03/15	DD	SW8270D	
4-Chloroaniline	ND	730	170	ug/Kg	1	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
4-Nitroaniline	ND	1800	120	ug/Kg	1	03/03/15	DD	SW8270D	
4-Nitrophenol	ND	1800	160	ug/Kg	1	03/03/15	DD	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Acenaphthylene	ND	150	100	ug/Kg	1	03/03/15	DD	SW8270D	
Acetophenone	ND	260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Atrazine	ND	150	150	ug/Kg	1	03/03/15	DD	SW8270D	
Benz(a)anthracene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzaldehyde	ND	260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(a)pyrene	ND	150	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	150	98	ug/Kg	1	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	290	260	100	ug/Kg	1	03/03/15	DD	SW8270D	
Caprolactam	ND	260	260	ug/Kg	1	03/03/15	DD	SW8270D	
Carbazole	ND	1800	280	ug/Kg	1	03/03/15	DD	SW8270D	
Chrysene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	03/03/15	DD	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Dimethylphthalate	ND	260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND	260	97	ug/Kg	1	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND	260	94	ug/Kg	1	03/03/15	DD	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND	150	110	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND	260	130	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	03/03/15	DD	SW8270D	
Hexachloroethane	ND	150	110	ug/Kg	1	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Isophorone	ND	150	100	ug/Kg	1	03/03/15	DD	SW8270D	
Naphthalene	ND	260	100	ug/Kg	1	03/03/15	DD	SW8270D	
Nitrobenzene	ND	150	130	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	03/03/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	03/03/15	DD	SW8270D	
Pentachlorophenol	ND	260	140	ug/Kg	1	03/03/15	DD	SW8270D	
Phenanthrene	ND	150	100	ug/Kg	1	03/03/15	DD	SW8270D	
Phenol	ND	260	120	ug/Kg	1	03/03/15	DD	SW8270D	
Pyrene	ND	260	130	ug/Kg	1	03/03/15	DD	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	89			%	1	03/03/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-8 20-22

Phoenix I.D.: BH78389

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	74			%	1	03/03/15	DD	30 - 115 %
% 2-Fluorophenol	61			%	1	03/03/15	DD	25 - 121 %
% Nitrobenzene-d5	63			%	1	03/03/15	DD	23 - 120 %
% Phenol-d5	68			%	1	03/03/15	DD	24 - 113 %
% Terphenyl-d14	102			%	1	03/03/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
May 01, 2015
Reviewed and Released by: Tina Covensky

1F

CLIENT ID

TB-12 4-6

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78384

Sample wt/vol: 15.23 (g/mL) g Lab File ID: 0303_21.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 18 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	5.481	5600	JN
000629-50-5	Tridecane	6.781	7600	JN
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	7.439	3200	JN
	Unknown	7.939	4200	JN
	Unknown	8.986	6500	JN
061142-20-9	Cyclohexane, (4-methylpentyl)-	9.463	3300	JN
000629-59-4	Tetradecane	9.939	11000	JN
031081-17-1	Nonane, 2-methyl-5-propyl-	10.469	3800	JN
024251-86-3	Dodecane, 5,8-diethyl-	12.004	3500	JN
000629-78-7	Heptadecane	12.427	8100	JN
000629-97-0	Docosane	13.163	5400	JN
	Unknown	13.863	4700	JN
	Unknown	14.021	3800	JN
000112-95-8	Eicosane	14.527	4300	JN
	Unknown	15.774	3300	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-12 28-30

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78385

Sample wt/vol: 15.44 (g/mL) g Lab File ID: 0302_17.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 16 decanted:(Y/N) NA Date Extracted: 03/02/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/2/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.775	1700	JN
	Unknown	14.380	370	JN
	Unknown	14.415	570	JN
000629-97-0	Docosane	15.933	340	JN
007225-66-3	Tridecane, 7-hexyl-	16.521	420	JN
000112-95-8	Eicosane	17.086	740	JN
000630-03-5	Nonacosane	17.621	590	JN
013475-75-7	Pentadecane, 8-hexyl-	18.156	520	JN
055124-79-3	Heptadecane, 9-hexyl-	18.709	790	JN
007225-64-1	Heptadecane, 9-octyl-	19.145	510	JN
007098-22-8	Tetratetracontane	19.515	680	JN
000192-97-2	Benzo[e]pyrene	19.592	460	JN
055282-14-9	Docosane, 9-butyl-	19.844	480	JN
000629-94-7	Heneicosane	20.197	520	JN
	Unknown	20.662	330	JN

1F

CLIENT ID

TB-11 4-6

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78386

Sample wt/vol: 15.24 (g/mL) g Lab File ID: 0303_22.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 12 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 10

Injection Volume: 2 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SEMIVOA-TIC

1F

CLIENT ID

TB-11 21-23

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78387

Sample wt/vol: 15.12 (g/mL) g Lab File ID: 0303_23.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 15 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 10

Injection Volume: 2 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SEMIVOA-TIC

1F

CLIENT ID

TB-8 2-4

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78388

Sample wt/vol: 15.02 (g/mL) g Lab File ID: 0302_18.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 10 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.769	1300	JNA
	Unknown	19.086	300	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-8 20-22

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78384

Matrix:(soil/water) SOIL Lab Sample ID: BH78389

Sample wt/vol: 15.08 (g/mL) g Lab File ID: 0302_20.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 9 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.769	910	JNA
	Unknown	19.086	540	JN

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 01, 2015

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300603 (mg/kg), QC Sample No: BH78166 (BH78384, BH78385, BH78386, BH78387, BH78388, BH78389)													
Mercury - Soil	BRL	<0.03	<0.03	NC	97.0	101	4.0	105	98.8	6.1	75 - 125	30	
QA/QC Batch 300557 (mg/kg), QC Sample No: BH78307 (BH78384, BH78385, BH78386, BH78387, BH78388, BH78389)													
ICP Metals - Soil													
Aluminum	BRL	5790	6480	11.2	103	99.1	3.9	NC	NC	NC	80 - 120	30	
Antimony	BRL	<1.8	<3.6	NC	105	110	4.7	88.6	90.4	2.0	70 - 130	30	
Arsenic	BRL	1.3	1.47	NC	99.2	97.0	2.2	92.0	94.5	2.7	80 - 120	30	
Barium	BRL	62.5	49.3	23.6	111	112	0.9	91.1	94.3	3.5	80 - 120	30	
Beryllium	BRL	0.31	0.33	NC	103	101	2.0	96.6	94.6	2.1	80 - 120	30	
Cadmium	BRL	<0.36	<0.36	NC	88.6	89.6	1.1	92.6	95.9	3.5	80 - 120	30	
Calcium	BRL	310	385	21.6	103	102	1.0	>130	>130	NC	80 - 120	30	m
Chromium	BRL	12.2	13.3	8.60	103	106	2.9	103	104	1.0	80 - 120	30	
Cobalt	BRL	5.19	6.00	14.5	88.1	89.9	2.0	96.4	99.4	3.1	80 - 120	30	
Copper	BRL	10.7	11.4	6.30	95.1	94.8	0.3	104	107	2.8	80 - 120	30	
Iron	BRL	13500	16000	16.9	87.9	90.3	2.7	NC	NC	NC	80 - 120	30	
Lead	BRL	4.6	4.32	6.30	91.5	93.9	2.6	93.6	96.8	3.4	80 - 120	30	
Magnesium	BRL	1310	1530	15.5	103	102	1.0	NC	NC	NC	80 - 120	30	
Manganese	BRL	503	462	8.50	111	110	0.9	105	65.4	46.5	80 - 120	30	m,r
Nickel	BRL	8.91	9.24	3.60	101	102	1.0	96.1	99.4	3.4	80 - 120	30	
Potassium	BRL	686	653	4.90	96.4	90.9	5.9	>130	>130	NC	80 - 120	30	m
Selenium	BRL	<1.4	<1.4	NC	87.8	89.2	1.6	79.3	82.1	3.5	80 - 120	30	
Silver	BRL	<0.36	<0.36	NC	102	103	1.0	96.9	100	3.1	70 - 130	30	
Sodium	BRL	414	459	10.3	109	103	5.7	>130	>130	NC	80 - 120	30	m
Thallium	BRL	<1.4	<3.2	NC	100	101	1.0	94.8	98.0	3.3	80 - 120	30	
Vanadium	BRL	20.2	22.7	11.7	110	115	4.4	104	105	1.0	80 - 120	30	
Zinc	BRL	19.2	21.1	9.40	91.8	91.7	0.1	95.6	98.4	2.9	80 - 120	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 01, 2015

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300565 (mg/Kg), QC Sample No: BH78151 (BH78384, BH78385, BH78386)												
Total Cyanide (SW9010C Distill.)	BRL	<0.58	<0.53	NC	96.7			90.0			85 - 115	30
QA/QC Batch 300799 (mg/Kg), QC Sample No: BH78389 (BH78387, BH78388, BH78389)												
Total Cyanide (SW9010C Distill.)	BRL	2.93	3.36	13.7	103			101			85 - 115	30

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 01, 2015

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300444 (ug/kg), QC Sample No: BH77859 (BH78384, BH78385, BH78386, BH78387, BH78388, BH78389)										
Semivolatiles - Solid										
1,1-Biphenyl	ND	76	79	3.9	84	83	1.2	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	82	6.3	84	86	2.4	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	94	98	4.2	104	104	0.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	88	92	4.4	98	98	0.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	87	91	4.5	94	94	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	82	88	7.1	89	91	2.2	30 - 130	30	
2,4-Dimethylphenol	ND	78	80	2.5	81	77	5.1	30 - 130	30	
2,4-Dinitrophenol	ND	26	31	17.5	18	21	15.4	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	88	90	2.2	94	94	0.0	30 - 130	30	
2,6-Dinitrotoluene	ND	86	90	4.5	94	94	0.0	30 - 130	30	
2-Chloronaphthalene	ND	77	81	5.1	85	85	0.0	30 - 130	30	
2-Chlorophenol	ND	75	81	7.7	83	84	1.2	30 - 130	30	
2-Methylnaphthalene	ND	80	85	6.1	87	89	2.3	30 - 130	30	
2-Methylphenol (o-cresol)	ND	74	79	6.5	79	80	1.3	30 - 130	30	
2-Nitroaniline	ND	89	95	6.5	86	91	5.6	30 - 130	30	
2-Nitrophenol	ND	79	84	6.1	88	90	2.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	82	87	5.9	86	88	2.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	76	82	7.6	77	78	1.3	30 - 130	30	
3-Nitroaniline	ND	85	89	4.6	87	92	5.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	49	57	15.1	75	78	3.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	81	85	4.8	92	90	2.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	88	93	5.5	94	96	2.1	30 - 130	30	
4-Chloroaniline	ND	74	77	4.0	76	77	1.3	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	81	84	3.6	88	87	1.1	30 - 130	30	
4-Nitroaniline	ND	85	90	5.7	92	93	1.1	30 - 130	30	
4-Nitrophenol	ND	93	100	7.3	97	98	1.0	30 - 130	30	
Acenaphthene	ND	84	88	4.7	91	90	1.1	30 - 130	30	
Acenaphthylene	ND	78	81	3.8	85	84	1.2	30 - 130	30	
Acetophenone	ND	78	83	6.2	84	86	2.4	30 - 130	30	
Anthracene	ND	81	87	7.1	91	89	2.2	30 - 130	30	
Atrazine	ND	80	82	2.5	91	82	10.4	30 - 130	30	
Benz(a)anthracene	ND	84	89	5.8	90	90	0.0	30 - 130	30	
Benzaldehyde	ND	53	63	17.2	125	141	12.0	30 - 130	30	m
Benzo(a)pyrene	ND	81	86	6.0	89	89	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	78	82	5.0	88	85	3.5	30 - 130	30	
Benzo(ghi)perylene	ND	90	96	6.5	101	99	2.0	30 - 130	30	
Benzo(k)fluoranthene	ND	81	87	7.1	88	89	1.1	30 - 130	30	
Benzyl butyl phthalate	ND	85	88	3.5	97	92	5.3	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	80	83	3.7	86	86	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	64	68	6.1	68	71	4.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	66	70	5.9	72	73	1.4	30 - 130	30	

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bis(2-ethylhexyl)phthalate	ND	85	88	3.5	96	91	5.3	30 - 130	30
Caprolactam	ND	78	80	2.5	87	87	0.0	30 - 130	30
Carbazole	ND	84	89	5.8	92	87	5.6	30 - 130	30
Chrysene	ND	88	93	5.5	95	96	1.0	30 - 130	30
Dibenz(a,h)anthracene	ND	89	95	6.5	101	98	3.0	30 - 130	30
Dibenzofuran	ND	83	88	5.8	90	90	0.0	30 - 130	30
Diethyl phthalate	ND	85	85	0.0	91	89	2.2	30 - 130	30
Dimethylphthalate	ND	83	85	2.4	91	89	2.2	30 - 130	30
Di-n-butylphthalate	ND	77	80	3.8	88	80	9.5	30 - 130	30
Di-n-octylphthalate	ND	90	95	5.4	97	97	0.0	30 - 130	30
Fluoranthene	ND	79	85	7.3	90	86	4.5	30 - 130	30
Fluorene	ND	82	85	3.6	89	88	1.1	30 - 130	30
Hexachlorobenzene	ND	79	82	3.7	90	84	6.9	30 - 130	30
Hexachlorobutadiene	ND	74	77	4.0	82	82	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	90	100	10.5	91	102	11.4	30 - 130	30
Hexachloroethane	ND	66	71	7.3	72	73	1.4	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	89	96	7.6	101	99	2.0	30 - 130	30
Isophorone	ND	75	77	2.6	81	80	1.2	30 - 130	30
Naphthalene	ND	74	80	7.8	81	83	2.4	30 - 130	30
Nitrobenzene	ND	73	79	7.9	79	82	3.7	30 - 130	30
N-Nitrosodimethylamine	ND	58	62	6.7	63	63	0.0	30 - 130	30
N-Nitrosodi-n-propylamine	ND	76	80	5.1	82	83	1.2	30 - 130	30
N-Nitrosodiphenylamine	ND	85	87	2.3	89	91	2.2	30 - 130	30
Pentachlorophenol	ND	104	114	9.2	127	124	2.4	30 - 130	30
Phenanthrene	ND	82	86	4.8	91	88	3.4	30 - 130	30
Phenol	ND	71	77	8.1	77	79	2.6	30 - 130	30
Pyrene	ND	79	83	4.9	90	85	5.7	30 - 130	30
% 2,4,6-Tribromophenol	100	83	88	5.8	92	91	1.1	30 - 130	30
% 2-Fluorobiphenyl	77	75	79	5.2	83	83	0.0	30 - 115	30
% 2-Fluorophenol	64	70	75	6.9	76	77	1.3	30 - 130	30
% Nitrobenzene-d5	67	71	78	9.4	77	80	3.8	23 - 120	30
% Phenol-d5	70	73	79	7.9	79	81	2.5	30 - 130	30
% Terphenyl-d14	88	84	90	6.9	98	93	5.2	18 - 137	30

QA/QC Batch 300456 (ug/Kg), QC Sample No: BH78084 2X (BH78384, BH78385, BH78386, BH78387, BH78388, BH78389)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	95	95	0.0	92	89	3.3	30 - 120	15
PCB-1221	ND							30 - 150	30
PCB-1232	ND							30 - 150	30
PCB-1242	ND							30 - 150	30
PCB-1248	ND							30 - 150	30
PCB-1254	ND							30 - 150	30
PCB-1260	ND	99	99	0.0	96	95	1.0	30 - 150	20
PCB-1262	ND							30 - 150	30
PCB-1268	ND							30 - 150	30
% DCBP (Surrogate Rec)	83	103	102	1.0	99	97	2.0	30 - 150	20
% TCMX (Surrogate Rec)	69	102	102	0.0	94	92	2.2	30 - 150	20

QA/QC Batch 300701 (ug/kg), QC Sample No: BH78389 (BH78385, BH78386, BH78387, BH78388 (1X, 38X) , BH78389 (1X, 36X))

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	119	123	3.3	115	114	0.9	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	121	122	0.8	95	104	9.0	70 - 130	30
1,1,2-Trichloroethane	ND	116	117	0.9	106	110	3.7	70 - 130	30
1,1-Dichloroethane	ND	120	121	0.8	116	116	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloroethene	ND	125	123	1.6	119	114	4.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	107	108	0.9	85	91	6.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	105	106	0.9	82	88	7.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	116	117	0.9	91	106	15.2	70 - 130	30	
1,2-Dibromoethane	ND	118	120	1.7	107	111	3.7	70 - 130	30	
1,2-Dichlorobenzene	ND	107	109	1.9	96	99	3.1	70 - 130	30	
1,2-Dichloroethane	ND	115	117	1.7	105	109	3.7	70 - 130	30	
1,2-Dichloropropane	ND	121	122	0.8	117	117	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	107	110	2.8	98	100	2.0	70 - 130	30	
1,4-Dichlorobenzene	ND	113	114	0.9	102	104	1.9	70 - 130	30	
1,4-dioxane	ND	108	116	7.1	141	113	22.0	70 - 130	30	m
2-Hexanone	ND	105	106	0.9	94	102	8.2	70 - 130	30	
4-Methyl-2-pentanone	ND	113	117	3.5	100	112	11.3	70 - 130	30	
Acetone	ND	108	104	3.8	77	88	13.3	70 - 130	30	
Benzene	ND	119	120	0.8	116	114	1.7	70 - 130	30	
Bromochloromethane	ND	122	120	1.7	109	112	2.7	70 - 130	30	
Bromodichloromethane	ND	124	125	0.8	111	113	1.8	70 - 130	30	
Bromoform	ND	115	116	0.9	94	101	7.2	70 - 130	30	
Bromomethane	ND	111	114	2.7	117	118	0.9	70 - 130	30	
Carbon Disulfide	ND	145	147	1.4	123	119	3.3	70 - 130	30	I
Carbon tetrachloride	ND	118	121	2.5	111	111	0.0	70 - 130	30	
Chlorobenzene	ND	114	115	0.9	105	105	0.0	70 - 130	30	
Chloroethane	ND	107	107	0.0	116	112	3.5	70 - 130	30	
Chloroform	ND	119	120	0.8	114	114	0.0	70 - 130	30	
Chloromethane	ND	117	120	2.5	124	122	1.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	122	122	0.0	116	116	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	127	129	1.6	113	116	2.6	70 - 130	30	
Cyclohexane	ND	109	110	0.9	121	118	2.5	70 - 130	30	
Dibromochloromethane	ND	117	120	2.5	100	104	3.9	70 - 130	30	
Dichlorodifluoromethane	ND	120	118	1.7	129	124	4.0	70 - 130	30	
Ethylbenzene	ND	116	116	0.0	110	109	0.9	70 - 130	30	
Isopropylbenzene	ND	107	110	2.8	108	108	0.0	70 - 130	30	
m&p-Xylene	ND	114	113	0.9	109	107	1.9	70 - 130	30	
Methyl ethyl ketone	ND	105	109	3.7	93	98	5.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	114	117	2.6	102	107	4.8	70 - 130	30	
Methylacetate	ND	117	119	1.7	102	111	8.5	70 - 130	30	
Methylcyclohexane	ND	107	108	0.9	114	111	2.7	70 - 130	30	
Methylene chloride	ND	116	116	0.0	83	104	22.5	70 - 130	30	
o-Xylene	ND	116	116	0.0	110	111	0.9	70 - 130	30	
Styrene	ND	114	116	1.7	107	108	0.9	70 - 130	30	
Tetrachloroethene	ND	112	113	0.9	105	105	0.0	70 - 130	30	
Toluene	ND	118	119	0.8	114	114	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	126	127	0.8	119	117	1.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	130	129	0.8	109	115	5.4	70 - 130	30	
Trichloroethene	ND	118	118	0.0	118	115	2.6	70 - 130	30	
Trichlorofluoromethane	ND	118	119	0.8	105	102	2.9	70 - 130	30	
Trichlorotrifluoroethane	ND	123	119	3.3	117	112	4.4	70 - 130	30	
Vinyl chloride	ND	114	121	6.0	125	120	4.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	102	3.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	98	104	103	1.0	103	102	1.0	70 - 130	30	
% Dibromofluoromethane	99	98	100	2.0	95	98	3.1	70 - 130	30	
% Toluene-d8	97	101	101	0.0	102	101	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300840 (ug/kg), QC Sample No: BH78836 (BH78384)										
Volatiles (TCL) - Solid										
1,1,1-Trichloroethane	ND	102	111	8.5	112	103	8.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	116	124	6.7	136	108	23.0	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	105	7.9	106	94	12.0	70 - 130	30	
1,1-Dichloroethane	ND	105	112	6.5	114	105	8.2	70 - 130	30	
1,1-Dichloroethene	ND	105	114	8.2	114	101	12.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	100	110	9.5	94	77	19.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	109	10.6	95	77	20.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	105	113	7.3	123	95	25.7	70 - 130	30	
1,2-Dibromoethane	ND	98	106	7.8	105	94	11.1	70 - 130	30	
1,2-Dichlorobenzene	ND	102	112	9.3	111	91	19.8	70 - 130	30	
1,2-Dichloroethane	ND	97	105	7.9	103	93	10.2	70 - 130	30	
1,2-Dichloropropane	ND	104	112	7.4	111	103	7.5	70 - 130	30	
1,3-Dichlorobenzene	ND	100	112	11.3	112	93	18.5	70 - 130	30	
1,4-Dichlorobenzene	ND	106	118	10.7	119	97	20.4	70 - 130	30	
1,4-dioxane	ND	109	103	5.7	119	110	7.9	70 - 130	30	
2-Hexanone	ND	96	105	9.0	104	85	20.1	70 - 130	30	
4-Methyl-2-pentanone	ND	99	105	5.9	105	90	15.4	70 - 130	30	
Acetone	8.4 JBS	101	106	4.8	87	73	17.5	70 - 130	30	
Benzene	ND	103	111	7.5	111	101	9.4	70 - 130	30	
Bromochloromethane	ND	104	114	9.2	110	98	11.5	70 - 130	30	
Bromodichloromethane	ND	105	112	6.5	107	97	9.8	70 - 130	30	
Bromoform	ND	98	109	10.6	104	92	12.2	70 - 130	30	
Bromomethane	ND	94	106	12.0	106	96	9.9	70 - 130	30	
Carbon Disulfide	ND	123	134	8.6	116	106	9.0	70 - 130	30	I
Carbon tetrachloride	ND	100	108	7.7	106	99	6.8	70 - 130	30	
Chlorobenzene	ND	102	112	9.3	112	100	11.3	70 - 130	30	
Chloroethane	ND	94	100	6.2	109	101	7.6	70 - 130	30	
Chloroform	ND	102	111	8.5	111	101	9.4	70 - 130	30	
Chloromethane	ND	107	113	5.5	119	108	9.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	114	6.3	113	102	10.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	107	117	8.9	108	98	9.7	70 - 130	30	
Cyclohexane	ND	97	103	6.0	119	109	8.8	70 - 130	30	
Dibromochloromethane	ND	105	113	7.3	110	97	12.6	70 - 130	30	
Dichlorodifluoromethane	ND	107	116	8.1	117	108	8.0	70 - 130	30	
Ethylbenzene	ND	105	116	10.0	118	104	12.6	70 - 130	30	
Isopropylbenzene	ND	103	113	9.3	128	106	18.8	70 - 130	30	
m&p-Xylene	ND	103	113	9.3	116	102	12.8	70 - 130	30	
Methyl ethyl ketone	ND	94	98	4.2	97	82	16.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	98	106	7.8	101	92	9.3	70 - 130	30	
Methylacetate	ND	100	109	8.6	92	78	16.5	70 - 130	30	
Methylcyclohexane	ND	93	100	7.3	112	101	10.3	70 - 130	30	
Methylene chloride	ND	101	108	6.7	99	91	8.4	70 - 130	30	
o-Xylene	ND	105	115	9.1	116	103	11.9	70 - 130	30	
Styrene	ND	105	115	9.1	111	99	11.4	70 - 130	30	
Tetrachloroethene	ND	100	112	11.3	115	102	12.0	70 - 130	30	
Toluene	ND	101	109	7.6	109	100	8.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	108	118	8.8	114	105	8.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	108	117	8.0	106	97	8.9	70 - 130	30	
Trichloroethene	ND	99	106	6.8	107	97	9.8	70 - 130	30	
Trichlorofluoromethane	ND	100	110	9.5	111	102	8.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBH78384

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichlorotrifluoroethane	ND	104	112	7.4	114	104	9.2	70 - 130	30
Vinyl chloride	ND	102	110	7.5	119	110	7.9	70 - 130	30
% 1,2-dichlorobenzene-d4	102	101	100	1.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	96	100	100	0.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	100	103	101	2.0	99	98	1.0	70 - 130	30
% Toluene-d8	95	101	100	1.0	99	100	1.0	70 - 130	30

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 01, 2015

Sample Criteria Exceedences Report

GBH78384 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH78384	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	72	41	50	50	ug/Kg
BH78384	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	560	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1400	560	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	560	500	500	ug/Kg
BH78384	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1500	560	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2100	320	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	560	500	500	ug/Kg
BH78384	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	560	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	320	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	560	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	320	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	840	560	800	800	ug/Kg
BH78384	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	560	1000	1000	ug/Kg
BH78384	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	560	1000	1000	ug/Kg
BH78384	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	560	330	330	ug/Kg
BH78384	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	560	500	500	ug/Kg
BH78384	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	560	330	330	ug/Kg
BH78384	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	560	1000	1000	ug/Kg
BH78385	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	62	51	50	50	ug/Kg
BH78385	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	37.8	0.37	30		mg/Kg
BH78385	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	107	0.37	50	50	mg/kg
BH78385	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	95.8	0.7	63	63	mg/Kg
BH78385	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	168	7.3	109	109	mg/Kg
BH78386	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	2600	2400	2400	ug/Kg
BH78386	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	2600	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2900	2600	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2800	2600	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4000	2600	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3400	1500	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1500	330	330	ug/Kg
BH78386	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2100	2600	500	500	ug/Kg
BH78386	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	2600	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1500	330	330	ug/Kg
BH78386	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	1500	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	2600	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	2600	500	500	ug/Kg
BH78386	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	1500	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	2600	1000	1000	ug/Kg
BH78386	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BH78386	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	2600	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBH78384 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH78386	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1500	330	330	ug/Kg
BH78386	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	2600	500	500	ug/Kg
BH78386	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	800	800	ug/Kg
BH78386	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BH78386	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	2600	1000	1000	ug/Kg
BH78386	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	2600	800	800	ug/Kg
BH78386	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	72.0	0.39	50	50	mg/kg
BH78387	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3700	2700	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2700	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3300	2700	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1600	330	330	ug/Kg
BH78387	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3000	1600	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2700	500	500	ug/Kg
BH78387	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3900	2700	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	2700	2400	2400	ug/Kg
BH78387	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1600	330	330	ug/Kg
BH78387	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2700	500	500	ug/Kg
BH78387	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3900	2700	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	1600	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3700	2700	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	800	800	ug/Kg
BH78387	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3000	1600	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3300	2700	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3700	2700	1000	1000	ug/Kg
BH78387	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1600	330	330	ug/Kg
BH78387	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	330	330	ug/Kg
BH78387	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	500	500	ug/Kg
BH78387	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	800	800	ug/Kg
BH78387	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	330	330	ug/Kg
BH78387	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3900	2700	1000	1000	ug/Kg
BH78388	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	229	7.7	109	109	mg/Kg
BH78389	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	158	6.7	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

May 01, 2015

SDG I.D.: GBH78384

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 CWK Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd. Tuckahoe, NY
Report to: Tim Carr
Invoice to:

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664

Client Sample - Information - Identification

Sampler's Signature: RCW Date: 2/27/15

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA ☒ Methanol [ ]S. Bisulfate ☒ H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
78384	TB-12 (4-6)	S	2/26/15								3	2								
78385	TB-12 (28-30)		↓																	
78386	TB-11 (4-6)		2/27/15																	
78387	TB-11 (21-23)																			
78388	TB-8 (2-4)																			
78389	TB-8 (20-22)																			

Relinquished by:	Accepted by:	Date:	Time:
		3-2-15	12:10
	Federal Express	3/2/15	15:48

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

Comments, Special Requirements or Regulations:

State where samples were collected: NY

Sarah - Phoenixlabs

From: Rachel Griffiths [rgriffiths@hes-nj.com]
Sent: Monday, April 06, 2015 4:06 PM
To: Sarah - Phoenixlabs; rowanenv1@aol.com
Cc: Tim Carr; Alyssa N. Epstein
Subject: RE: Marbledale Road, Tuckahoe - ASP-B Data Package

Yes from here on out, that'll be much easier... it was sort of a retroactive realization that we had forgotten!

Our validator has requested a hard copy, though we can work that out in-house if you don't do it.

Thanks for your help, as usual!!

-Rachel

Rachel E. Griffiths
Geologist/Hydrogeologist

HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589
Phone: (914) 276-2560
Fax: (914) 276-2664
Cell: (914) 512-0779
www.hesny.com

-----Original Message-----
From: Sarah - Phoenixlabs [mailto:sarah@phoenixlabs.com]
Sent: Monday, April 06, 2015 3:58 PM
To: Rachel Griffiths; rowanenv1@aol.com
Cc: Tim Carr; Alyssa N. Epstein
Subject: RE: Marbledale Road, Tuckahoe - ASP-B Data Package

Rachel,

Should be ok there may be a charge to add these on now, I will let you know.
Going forward please mark on the chain that you need ASP B (we don't charge for these if added at time of sample receipt) it is in the lower right side of the chain even if you don't end up using them as full packages it will save a tremendous amount of time for our Deliverables Team to do upfront.
We will deliver the final package to you and you can add your Validator to this account so they can retrieve all excels and reports they need. Please give me their information once you have it. We do not send out a hard copy normally.

I will let you know the time frame of when you can expect the ASP Bs once I know.

Thanks and will let you know if anything comes up and we can't .
Sarah

-----Original Message-----
From: Rachel Griffiths [mailto:rgriffiths@hes-nj.com]

Sent: Monday, April 06, 2015 3:40 PM
To: Sarah - Phoenixlabs
Cc: Tim Carr; Alyssa N. Epstein
Subject: Marbledale Road, Tuckahoe - ASP-B Data Package

Hi Sarah!!

We will be needing data deliverables that meet the criteria for ASP-B data package for the following delivery groups (and select future data for this
project):

GBH82998
GBH79483
GBH78390
GBH78384

Do you need anything from me to go ahead and get started with this?

Ultimately, HES will receive the electronic copy and a data validator will receive the hard copy.

Give me a call if you'd like to discuss: 914-512-0779

Best,
Rachel

Rachel E. Griffiths
Geologist/Hydrogeologist

HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589
Phone: (914) 276-2560
Fax: (914) 276-2664
Cell: (914) 512-0779
www.hesny.com

PHOENIX
Environmental Laboratories, Inc.

Monday, March 09, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH78392 - BH78393

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 09, 2015

SDG I.D.: GBH78392

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

BH78392 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

BH78393 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/27/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78392
Phoenix ID: BH78392

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36		mg/Kg	03/03/15	EK	SW6010C	
Aluminum	3220	54		mg/Kg	03/03/15	EK	SW6010C	
Arsenic	2.6	0.7		mg/Kg	03/03/15	EK	SW6010C	
Barium	29.0	0.36		mg/Kg	03/03/15	EK	SW6010C	
Beryllium	< 0.29	0.29		mg/Kg	03/03/15	EK	SW6010C	
Calcium	72400	54		mg/Kg	03/03/15	EK	SW6010C	
Cadmium	< 0.36	0.36		mg/Kg	03/03/15	EK	SW6010C	
Cobalt	3.51	0.36		mg/Kg	03/03/15	EK	SW6010C	
Chromium	10.5	0.36		mg/Kg	03/03/15	EK	SW6010C	
Copper	24.5	0.36		mg/kg	03/03/15	EK	SW6010C	
Iron	8430	5.4		mg/Kg	03/03/15	EK	SW6010C	
Mercury	< 0.03	0.03		mg/Kg	03/03/15	MA	SW7471B	
Potassium	1140	5.4		mg/Kg	03/03/15	EK	SW6010C	
Magnesium	19000	54		mg/Kg	03/03/15	EK	SW6010C	
Manganese	140	0.36		mg/Kg	03/03/15	EK	SW6010C	
Sodium	230	5.4		mg/Kg	03/03/15	EK	SW6010C	
Nickel	9.49	0.36		mg/Kg	03/03/15	EK	SW6010C	
Lead	14.8	0.36		mg/Kg	03/03/15	EK	SW6010C	
Antimony	< 3.6	3.6		mg/Kg	03/03/15	EK	SW6010C	
Selenium	< 1.4	1.4		mg/Kg	03/03/15	EK	SW6010C	
TCLP Silver	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Arsenic	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Barium	0.27	0.10		mg/L	03/03/15	EK	SW6010C	B
TCLP Cadmium	< 0.050	0.050		mg/L	03/03/15	EK	SW6010C	
TCLP Chromium	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Copper	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002		mg/L	03/03/15	MA	SW7470A	
TCLP Nickel	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11

Phoenix I.D.: BH78392

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
TCLP Lead	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Selenium	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Zinc	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
Thallium	< 3.3	3.3		mg/Kg	03/03/15	EK	SW6010C	
TCLP Metals Digestion	Completed				03/03/15	I/I	SW3005A	
Vanadium	34.8	0.36		mg/Kg	03/03/15	EK	SW6010C	
Zinc	27.4	0.36		mg/Kg	03/03/15	EK	SW6010C	
Percent Solid	91			%	03/02/15	i	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	03/02/15	DH/KDB	SW846-Corr	1
Flash Point	>200	200		Degree F	03/03/15	Y	SW1010A	
Chromium, Hexavalent	< 0.46	0.46		mg/Kg	03/05/15 10:14	KDB	SW3060/SW719	
Ignitability	Passed	140		degree F	03/03/15	Y	SW846-Ignit	1
pH - Soil	10.88	0.10		pH Units	03/02/15 20:15	DH/KDB	SW9045	1
Reactivity Cyanide	< 5.5	5.5		mg/Kg	03/03/15	O/E/B	SW846-React	1
Reactivity Sulfide	< 20	20		mg/Kg	03/04/15	EG	SW-7.3	1
Reactivity	Negative			Pos/Neg	03/04/15	EG	SW846-React	1
Redox Potential	110	1.0		mV	03/02/15	DH/KDB	SM2580B-09	1
Soil Extraction for PCB	Completed				03/02/15	CC	SW3545A	
Soil Extraction for Pesticide	Completed				03/02/15	CC	SW3545A	
Soil Extraction for SVOA	Completed				03/02/15	CJ/VH	SW3545A	
Mercury Digestion	Completed				03/03/15	I/I	SW7471B	
Ext. of Petroleum Hydrocarbons	Completed				03/02/15	BC/V	SW3545A	
TCLP Digestion Mercury	Completed				03/03/15	I/I	SW7470A	
TCLP Herbicides Extraction	Completed				03/03/15	I/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				03/02/15	I	SW1311	
TCLP Extraction for Organics	Completed				03/02/15	I	SW1311	
TCLP Pesticides Extraction	Completed				03/03/15	L	SW3510C	
TCLP Semi-Volatile Extraction	Completed				03/03/15	L	SW3510C	
Total Metals Digest	Completed				03/02/15	CB/AG	SW3050B	
Polychlorinated Biphenyls								
PCB-1016	ND	72		ug/Kg	03/03/15	AW	SW8082A	
PCB-1221	ND	72		ug/Kg	03/03/15	AW	SW8082A	
PCB-1232	ND	72		ug/Kg	03/03/15	AW	SW8082A	
PCB-1242	ND	72		ug/Kg	03/03/15	AW	SW8082A	
PCB-1248	ND	72		ug/Kg	03/03/15	AW	SW8082A	
PCB-1254	ND	72		ug/Kg	03/03/15	AW	SW8082A	
PCB-1260	ND	72		ug/Kg	03/03/15	AW	SW8082A	
PCB-1262	ND	72		ug/Kg	03/03/15	AW	SW8082A	
PCB-1268	ND	72		ug/Kg	03/03/15	AW	SW8082A	
QA/QC Surrogates								
% DCBP	97			%	03/03/15	AW	30 - 150 %	
% TCMX	90			%	03/03/15	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	21		ug/Kg	03/05/15	C/P	SW8081B	
4,4' -DDE	ND	21		ug/Kg	03/05/15	C/P	SW8081B	
4,4' -DDT	ND	21		ug/Kg	03/05/15	C/P	SW8081B	
a-BHC	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
a-Chlordane	ND	36		ug/Kg	03/05/15	C/P	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11

Phoenix I.D.: BH78392

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Aldrin	ND	11		ug/Kg	03/05/15	C/P	SW8081B	
b-BHC	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
Chlordane	ND	200		ug/Kg	03/05/15	C/P	SW8081B	
d-BHC	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
Dieldrin	ND	36		ug/Kg	03/05/15	C/P	SW8081B	
Endosulfan I	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
Endosulfan II	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
Endosulfan sulfate	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
Endrin	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
Endrin aldehyde	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
Endrin ketone	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
g-BHC	ND	14		ug/Kg	03/05/15	C/P	SW8081B	
g-Chlordane	ND	36		ug/Kg	03/05/15	C/P	SW8081B	
Heptachlor	ND	72		ug/Kg	03/05/15	C/P	SW8081B	
Heptachlor epoxide	ND	36		ug/Kg	03/05/15	C/P	SW8081B	
Methoxychlor	ND	360		ug/Kg	03/05/15	C/P	SW8081B	
Toxaphene	ND	600		ug/Kg	03/05/15	C/P	SW8081B	
QA/QC Surrogates								
% DCBP	91			%	03/05/15	C/P	30 - 150 %	
% TCMX	87			%	03/05/15	C/P	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	4.2		ug/L	03/04/15	BB	SW8151A	
2,4-D	ND	4.2		ug/L	03/04/15	BB	SW8151A	
QA/QC Surrogates								
% DCAA	43			%	03/04/15	BB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0		ug/L	03/04/15	CE	SW8081B	
4,4' -DDE	ND	1.0		ug/L	03/04/15	CE	SW8081B	
4,4' -DDT	ND	1.0		ug/L	03/04/15	CE	SW8081B	
a-BHC	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Alachlor	ND	0.50		ug/L	03/04/15	CE	SW8081B	1
Aldrin	ND	0.50		ug/L	03/04/15	CE	SW8081B	
b-BHC	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Chlordane	ND	5.0		ug/L	03/04/15	CE	SW8081B	
d-BHC	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Dieldrin	ND	1.0		ug/L	03/04/15	CE	SW8081B	
Endosulfan I	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Endosulfan II	ND	1.0		ug/L	03/04/15	CE	SW8081B	
Endosulfan Sulfate	ND	1.0		ug/L	03/04/15	CE	SW8081B	
Endrin	ND	1.0		ug/L	03/04/15	CE	SW8081B	
Endrin Aldehyde	ND	1.0		ug/L	03/04/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Heptachlor	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Heptachlor epoxide	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Methoxychlor	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Toxaphene	ND	20		ug/L	03/04/15	CE	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	88			%	03/04/15	CE	30 - 150 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11

Phoenix I.D.: BH78392

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
%TCMX (Surrogate Rec)	76			%	03/04/15	CE	30 - 150 %	
Extractable Petroleum Hydrocarbons								
TPH to C44	1300	360		mg/Kg	03/04/15	JRB	SW8015D MOD	
QA/QC Surrogates								
% Chlorobenzene (surrogate)	44			%	03/04/15	JRB	60 - 120 %	3
% Pentacosane (surrogate)	81			%	03/04/15	JRB	50 - 150 %	
Gasoline Range Organics (C6-C10)	ND	20		mg/Kg	03/04/15	JRB	SW8015D GRO	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,1-Dichloroethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,1-Dichloroethene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,2-Dibromoethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,2-Dichloroethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,2-Dichloropropane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
2-Hexanone	ND	32		ug/kg	03/04/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND	32		ug/kg	03/04/15	JLI	SW8260C	
Acetone	ND	63		ug/kg	03/04/15	JLI	SW8260C	
Benzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Bromochloromethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Bromodichloromethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Bromoform	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Bromomethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Carbon Disulfide	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Carbon tetrachloride	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Chlorobenzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Chloroethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Chloroform	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Chloromethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Cyclohexane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Dibromochloromethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Dichlorodifluoromethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Ethylbenzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Isopropylbenzene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
m&p-Xylene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Methyl ethyl ketone	ND	38		ug/kg	03/04/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	13		ug/kg	03/04/15	JLI	SW8260C	
Methylacetate	ND	5.1		ug/kg	03/04/15	JLI	SW8260C	
Methylcyclohexane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11

Phoenix I.D.: BH78392

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Methylene chloride	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
o-Xylene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Styrene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Tetrachloroethene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Toluene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Total Xylenes	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Trichloroethene	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Trichlorofluoromethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
Vinyl chloride	ND	6.3		ug/kg	03/04/15	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	03/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	03/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	03/04/15	JLI	70 - 130 %	
% Toluene-d8	96			%	03/04/15	JLI	70 - 130 %	
Volatile Library Search Top 10	Completed				03/05/15	JLI		
Semivolatiles								
1,1-Biphenyl	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2,4-Dichlorophenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2,4-Dimethylphenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2,4-Dinitrophenol	ND	5700		ug/Kg	03/04/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2-Chloronaphthalene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2-Chlorophenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2-Methylnaphthalene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
2-Nitroaniline	ND	5700		ug/Kg	03/04/15	DD	SW8270D	
2-Nitrophenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	3600		ug/Kg	03/04/15	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	4300		ug/Kg	03/04/15	DD	SW8270D	
3-Nitroaniline	ND	5700		ug/Kg	03/04/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	10000		ug/Kg	03/04/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	3600		ug/Kg	03/04/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
4-Chloroaniline	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
4-Nitroaniline	ND	5700		ug/Kg	03/04/15	DD	SW8270D	
4-Nitrophenol	ND	10000		ug/Kg	03/04/15	DD	SW8270D	
Acenaphthene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Acenaphthylene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Acetophenone	ND	2500		ug/Kg	03/04/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11

Phoenix I.D.: BH78392

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Anthracene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Atrazine	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Benz(a)anthracene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Benzaldehyde	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Benzo(a)pyrene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Benzo(b)fluoranthene	3000	2500		ug/Kg	03/04/15	DD	SW8270D	
Benzo(ghi)perylene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Benzyl butyl phthalate	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	3600		ug/Kg	03/04/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	2500		ug/Kg	03/04/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Caprolactam	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Carbazole	ND	10000		ug/Kg	03/04/15	DD	SW8270D	
Chrysene	2600	2500		ug/Kg	03/04/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Dibenzofuran	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Diethyl phthalate	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Dimethylphthalate	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Di-n-butylphthalate	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Di-n-octylphthalate	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Fluoranthene	4600	2500		ug/Kg	03/04/15	DD	SW8270D	
Fluorene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Hexachlorobenzene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Hexachlorobutadiene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Hexachloroethane	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Isophorone	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Naphthalene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Nitrobenzene	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	3600		ug/Kg	03/04/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	3600		ug/Kg	03/04/15	DD	SW8270D	
Pentachlorophenol	ND	3600		ug/Kg	03/04/15	DD	SW8270D	
Phenanthrene	4400	2500		ug/Kg	03/04/15	DD	SW8270D	
Phenol	ND	2500		ug/Kg	03/04/15	DD	SW8270D	
Pyrene	3700	2500		ug/Kg	03/04/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	03/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	83			%	03/04/15	DD	30 - 130 %	
% 2-Fluorophenol	70			%	03/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	87			%	03/04/15	DD	30 - 130 %	
% Phenol-d5	84			%	03/04/15	DD	30 - 130 %	
% Terphenyl-d14	75			%	03/04/15	DD	30 - 130 %	

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83		ug/L	03/04/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	83		ug/L	03/04/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-11

Phoenix I.D.: BH78392

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	83		ug/L	03/04/15	DD	SW8270D
2,4-Dinitrotoluene	ND	83		ug/L	03/04/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	83		ug/L	03/04/15	DD	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83		ug/L	03/04/15	DD	SW8270D
Hexachlorobenzene	ND	83		ug/L	03/04/15	DD	SW8270D
Hexachlorobutadiene	ND	83		ug/L	03/04/15	DD	SW8270D
Hexachloroethane	ND	83		ug/L	03/04/15	DD	SW8270D
Nitrobenzene	ND	83		ug/L	03/04/15	DD	SW8270D
Pentachlorophenol	ND	83		ug/L	03/04/15	DD	SW8270D
Pyridine	ND	83		ug/L	03/04/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84			%	03/04/15	DD	15 - 110 %
% 2-Fluorobiphenyl	61			%	03/04/15	DD	30 - 130 %
% 2-Fluorophenol	49			%	03/04/15	DD	15 - 110 %
% Nitrobenzene-d5	66			%	03/04/15	DD	30 - 130 %
% Phenol-d5	42			%	03/04/15	DD	15 - 110 %
% Terphenyl-d14	64			%	03/04/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed				03/05/15	DD	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Corrosivity is based solely on the pH analysis performed above.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

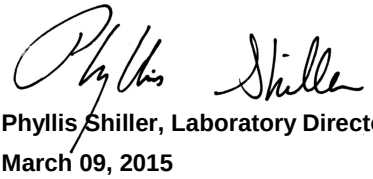
The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	RG	02/26/15	0:00
Location Code:	HESNY-TUCK	Received by:	SW	03/02/15	15:48
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH78392
Phoenix ID: BH78393

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37		mg/Kg	03/03/15	EK	SW6010C	
Aluminum	12500	56		mg/Kg	03/03/15	EK	SW6010C	
Arsenic	0.8	0.7		mg/Kg	03/03/15	EK	SW6010C	
Barium	126	0.37		mg/Kg	03/03/15	EK	SW6010C	
Beryllium	0.43	0.30		mg/Kg	03/03/15	EK	SW6010C	
Calcium	7240	5.6		mg/Kg	03/03/15	EK	SW6010C	
Cadmium	< 0.37	0.37		mg/Kg	03/03/15	EK	SW6010C	
Cobalt	14.3	0.37		mg/Kg	03/03/15	EK	SW6010C	
Chromium	33.9	0.37		mg/Kg	03/03/15	EK	SW6010C	
Copper	41.6	0.37		mg/kg	03/03/15	EK	SW6010C	
Iron	24500	56		mg/Kg	03/03/15	EK	SW6010C	
Mercury	< 0.03	0.03		mg/Kg	03/03/15	MA	SW7471B	
Potassium	4800	56		mg/Kg	03/03/15	EK	SW6010C	
Magnesium	9110	56		mg/Kg	03/03/15	EK	SW6010C	
Manganese	227	3.7		mg/Kg	03/03/15	EK	SW6010C	
Sodium	249	5.6		mg/Kg	03/03/15	EK	SW6010C	
Nickel	24.8	0.37		mg/Kg	03/03/15	EK	SW6010C	
Lead	75.2	0.37		mg/Kg	03/03/15	EK	SW6010C	
Antimony	< 3.7	3.7		mg/Kg	03/03/15	EK	SW6010C	
Selenium	< 1.5	1.5		mg/Kg	03/03/15	EK	SW6010C	
TCLP Silver	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Arsenic	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Barium	0.99	0.10		mg/L	03/03/15	EK	SW6010C	B
TCLP Cadmium	< 0.050	0.050		mg/L	03/03/15	EK	SW6010C	
TCLP Chromium	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Copper	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002		mg/L	03/03/15	MA	SW7470A	
TCLP Nickel	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13

Phoenix I.D.: BH78393

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
TCLP Lead	1.30	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Selenium	< 0.10	0.10		mg/L	03/03/15	EK	SW6010C	
TCLP Zinc	0.74	0.10		mg/L	03/03/15	EK	SW6010C	
Thallium	< 3.4	3.4		mg/Kg	03/03/15	EK	SW6010C	
TCLP Metals Digestion	Completed				03/03/15	I/I	SW3005A	
Vanadium	50.9	0.37		mg/Kg	03/03/15	EK	SW6010C	
Zinc	81.9	0.37		mg/Kg	03/03/15	EK	SW6010C	
Percent Solid	85			%	03/02/15	i	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	03/02/15	DH/KDB	SW846-Corr	1
Flash Point	>200	200		Degree F	03/03/15	Y	SW1010A	
Chromium, Hexavalent	< 0.49	0.49		mg/Kg	03/05/15 10:14	KDB	SW3060/SW719	
Ignitability	Passed	140		degree F	03/03/15	Y	SW846-Ignit	1
pH - Soil	8.22	0.10		pH Units	03/02/15 20:15	DH/KDB	SW9045	1
Reactivity Cyanide	< 5.8	5.8		mg/Kg	03/03/15	O/E/B	SW846-React	1
Reactivity Sulfide	< 20	20		mg/Kg	03/04/15	EG	SW-7.3	1
Reactivity	Negative			Pos/Neg	03/04/15	EG	SW846-React	1
Redox Potential	120	1.0		mV	03/02/15	DH/KDB	SM2580B-09	1
Soil Extraction for PCB	Completed				03/02/15	CC	SW3545A	
Soil Extraction for Pesticide	Completed				03/02/15	CC	SW3545A	
Soil Extraction for SVOA	Completed				03/02/15	CJ/VH	SW3545A	
Mercury Digestion	Completed				03/03/15	I/I	SW7471B	
Ext. of Petroleum Hydrocarbons	Completed				03/02/15	BC/V	SW3545A	
TCLP Digestion Mercury	Completed				03/03/15	I/I	SW7470A	
TCLP Herbicides Extraction	Completed				03/03/15	I/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				03/02/15	I	SW1311	
TCLP Extraction for Organics	Completed				03/02/15	I	SW1311	
TCLP Pesticides Extraction	Completed				03/03/15	L	SW3510C	
TCLP Semi-Volatile Extraction	Completed				03/03/15	L	SW3510C	
TCLP Extraction Volatiles	Completed				03/02/15	Y	SW1311	
Total Metals Digest	Completed				03/02/15	CB/AG	SW3050B	

Polychlorinated Biphenyls

PCB-1016	ND	76		ug/Kg	03/03/15	AW	SW8082A	
PCB-1221	ND	76		ug/Kg	03/03/15	AW	SW8082A	
PCB-1232	ND	76		ug/Kg	03/03/15	AW	SW8082A	
PCB-1242	ND	76		ug/Kg	03/03/15	AW	SW8082A	
PCB-1248	ND	76		ug/Kg	03/03/15	AW	SW8082A	
PCB-1254	ND	76		ug/Kg	03/03/15	AW	SW8082A	
PCB-1260	ND	76		ug/Kg	03/03/15	AW	SW8082A	
PCB-1262	ND	76		ug/Kg	03/03/15	AW	SW8082A	
PCB-1268	ND	76		ug/Kg	03/03/15	AW	SW8082A	
QA/QC Surrogates								
% DCBP	95			%	03/03/15	AW	30 - 150 %	
% TCMX	93			%	03/03/15	AW	30 - 150 %	

Pesticides - Soil

4,4' -DDD	ND	2.3		ug/Kg	03/04/15	CE	SW8081B	
4,4' -DDE	ND	2.3		ug/Kg	03/04/15	CE	SW8081B	
4,4' -DDT	ND	2.3		ug/Kg	03/04/15	CE	SW8081B	
a-BHC	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
a-Chlordane	ND	3.8		ug/Kg	03/04/15	CE	SW8081B	
Aldrin	ND	3.8		ug/Kg	03/04/15	CE	SW8081B	
b-BHC	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Chlordane	ND	38		ug/Kg	03/04/15	CE	SW8081B	
d-BHC	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Dieldrin	ND	3.8		ug/Kg	03/04/15	CE	SW8081B	
Endosulfan I	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Endosulfan II	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Endosulfan sulfate	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Endrin	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Endrin aldehyde	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Endrin ketone	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
g-BHC	ND	1.5		ug/Kg	03/04/15	CE	SW8081B	
g-Chlordane	ND	3.8		ug/Kg	03/04/15	CE	SW8081B	
Heptachlor	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Heptachlor epoxide	ND	7.6		ug/Kg	03/04/15	CE	SW8081B	
Methoxychlor	ND	38		ug/Kg	03/04/15	CE	SW8081B	
Toxaphene	ND	150		ug/Kg	03/04/15	CE	SW8081B	
QA/QC Surrogates								
% DCBP	79			%	03/04/15	CE	30 - 150 %	
% TCMX	77			%	03/04/15	CE	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	4.2		ug/L	03/04/15	BB	SW8151A	
2,4-D	ND	4.2		ug/L	03/04/15	BB	SW8151A	
QA/QC Surrogates								
% DCAA	46			%	03/04/15	BB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0		ug/L	03/04/15	CE	SW8081B	
4,4' -DDE	ND	1.0		ug/L	03/04/15	CE	SW8081B	
4,4' -DDT	ND	1.0		ug/L	03/04/15	CE	SW8081B	
a-BHC	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Alachlor	ND	0.50		ug/L	03/04/15	CE	SW8081B	1
Aldrin	ND	0.50		ug/L	03/04/15	CE	SW8081B	
b-BHC	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Chlordane	ND	5.0		ug/L	03/04/15	CE	SW8081B	
d-BHC	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Dieldrin	ND	1.0		ug/L	03/04/15	CE	SW8081B	
Endosulfan I	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Endosulfan II	ND	1.0		ug/L	03/04/15	CE	SW8081B	
Endosulfan Sulfate	ND	1.0		ug/L	03/04/15	CE	SW8081B	
Endrin	ND	1.0		ug/L	03/04/15	CE	SW8081B	
Endrin Aldehyde	ND	1.0		ug/L	03/04/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Heptachlor	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Heptachlor epoxide	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Methoxychlor	ND	0.50		ug/L	03/04/15	CE	SW8081B	
Toxaphene	ND	20		ug/L	03/04/15	CE	SW8081B	
QA/QC Surrogates								

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
%DCBP (Surrogate Rec)	80			%	03/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	75			%	03/04/15	CE	30 - 150 %
Extractable Petroleum Hydrocarbons							
TPH to C44	ND	77		mg/Kg	03/03/15	JRB	SW8015D MOD
QA/QC Surrogates							
% Chlorobenzene (surrogate)	60			%	03/03/15	JRB	60 - 120 %
% Pentacosane (surrogate)	77			%	03/03/15	JRB	50 - 150 %
Gasoline Range Organics (C6-C10)	ND	21		mg/Kg	03/04/15	JRB	SW8015D GRO
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	290		ug/kg	03/04/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	290		ug/kg	03/04/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	80		ug/kg	03/04/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	290		ug/kg	03/04/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	290		ug/kg	03/04/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	290		ug/kg	03/04/15	JLI	SW8260C
2-Hexanone	ND	33		ug/kg	03/04/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	33		ug/kg	03/04/15	JLI	SW8260C
Acetone	ND	65		ug/kg	03/04/15	JLI	SW8260C
Benzene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Bromochloromethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Bromodichloromethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Bromoform	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Bromomethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Carbon Disulfide	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Carbon tetrachloride	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Chlorobenzene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Chloroethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Chloroform	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Chloromethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Cyclohexane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Dibromochloromethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Ethylbenzene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Isopropylbenzene	ND	290		ug/kg	03/04/15	JLI	SW8260C
m&p-Xylene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Methyl ethyl ketone	ND	39		ug/kg	03/04/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13		ug/kg	03/04/15	JLI	SW8260C
Methylacetate	ND	5.2		ug/kg	03/04/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Methylcyclohexane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Methylene chloride	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
o-Xylene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Styrene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Tetrachloroethene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Toluene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Total Xylenes	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Trichloroethene	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
Vinyl chloride	ND	6.5		ug/kg	03/04/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	03/04/15	JLI	70 - 130 %
% Bromofluorobenzene	96			%	03/04/15	JLI	70 - 130 %
% Dibromofluoromethane	102			%	03/04/15	JLI	70 - 130 %
% Toluene-d8	84			%	03/04/15	JLI	70 - 130 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25		ug/L	03/03/15	HM	SW8260C
1,2-Dichloroethane	ND	25		ug/L	03/03/15	HM	SW8260C
Benzene	ND	25		ug/L	03/03/15	HM	SW8260C
Carbon tetrachloride	ND	25		ug/L	03/03/15	HM	SW8260C
Chlorobenzene	ND	25		ug/L	03/03/15	HM	SW8260C
Chloroform	ND	25		ug/L	03/03/15	HM	SW8260C
Methyl ethyl ketone	ND	25		ug/L	03/03/15	HM	SW8260C
Tetrachloroethene	ND	25		ug/L	03/03/15	HM	SW8260C
Trichloroethene	ND	25		ug/L	03/03/15	HM	SW8260C
Vinyl chloride	ND	25		ug/L	03/03/15	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	03/03/15	HM	70 - 130 %
% Bromofluorobenzene	94			%	03/03/15	HM	70 - 130 %
% Dibromofluoromethane	99			%	03/03/15	HM	70 - 130 %
% Toluene-d8	98			%	03/03/15	HM	70 - 130 %
Volatile Library Search Top 10	Completed				03/05/15	JLI	
Semivolatiles							
1,1-Biphenyl	ND	270		ug/Kg	03/03/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	270		ug/Kg	03/03/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	270		ug/Kg	03/03/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270		ug/Kg	03/03/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	270		ug/Kg	03/03/15	DD	SW8270D
2,4-Dichlorophenol	ND	270		ug/Kg	03/03/15	DD	SW8270D
2,4-Dimethylphenol	ND	270		ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrophenol	ND	620		ug/Kg	03/03/15	DD	SW8270D
2,4-Dinitrotoluene	ND	270		ug/Kg	03/03/15	DD	SW8270D
2,6-Dinitrotoluene	ND	270		ug/Kg	03/03/15	DD	SW8270D
2-Chloronaphthalene	ND	270		ug/Kg	03/03/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-13

Phoenix I.D.: BH78393

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	270		ug/Kg	03/03/15	DD	SW8270D	
2-Methylnaphthalene	ND	270		ug/Kg	03/03/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	270		ug/Kg	03/03/15	DD	SW8270D	
2-Nitroaniline	ND	620		ug/Kg	03/03/15	DD	SW8270D	
2-Nitrophenol	ND	270		ug/Kg	03/03/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	390		ug/Kg	03/03/15	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	460		ug/Kg	03/03/15	DD	SW8270D	
3-Nitroaniline	ND	620		ug/Kg	03/03/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1100		ug/Kg	03/03/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	390		ug/Kg	03/03/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	270		ug/Kg	03/03/15	DD	SW8270D	
4-Chloroaniline	ND	270		ug/Kg	03/03/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	270		ug/Kg	03/03/15	DD	SW8270D	
4-Nitroaniline	ND	620		ug/Kg	03/03/15	DD	SW8270D	
4-Nitrophenol	ND	1100		ug/Kg	03/03/15	DD	SW8270D	
Acenaphthene	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Acenaphthylene	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Acetophenone	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Anthracene	340	270		ug/Kg	03/03/15	DD	SW8270D	
Atrazine	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Benz(a)anthracene	630	270		ug/Kg	03/03/15	DD	SW8270D	
Benzaldehyde	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Benzo(a)pyrene	580	270		ug/Kg	03/03/15	DD	SW8270D	
Benzo(b)fluoranthene	710	270		ug/Kg	03/03/15	DD	SW8270D	
Benzo(ghi)perylene	340	270		ug/Kg	03/03/15	DD	SW8270D	
Benzo(k)fluoranthene	300	270		ug/Kg	03/03/15	DD	SW8270D	
Benzyl butyl phthalate	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	390		ug/Kg	03/03/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270		ug/Kg	03/03/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Caprolactam	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Carbazole	ND	1100		ug/Kg	03/03/15	DD	SW8270D	
Chrysene	640	270		ug/Kg	03/03/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Dibenzofuran	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Diethyl phthalate	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Dimethylphthalate	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Di-n-butylphthalate	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Di-n-octylphthalate	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Fluoranthene	1500	270		ug/Kg	03/03/15	DD	SW8270D	
Fluorene	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobenzene	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Hexachlorobutadiene	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Hexachloroethane	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	320	270		ug/Kg	03/03/15	DD	SW8270D	
Isophorone	ND	270		ug/Kg	03/03/15	DD	SW8270D	
Naphthalene	ND	270		ug/Kg	03/03/15	DD	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Nitrobenzene	ND	270		ug/Kg	03/03/15	DD	SW8270D
N-Nitrosodimethylamine	ND	390		ug/Kg	03/03/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270		ug/Kg	03/03/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	390		ug/Kg	03/03/15	DD	SW8270D
Pentachlorophenol	ND	390		ug/Kg	03/03/15	DD	SW8270D
Phenanthrene	1400	270		ug/Kg	03/03/15	DD	SW8270D
Phenol	ND	270		ug/Kg	03/03/15	DD	SW8270D
Pyrene	1200	270		ug/Kg	03/03/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88			%	03/03/15	DD	30 - 130 %
% 2-Fluorobiphenyl	83			%	03/03/15	DD	30 - 130 %
% 2-Fluorophenol	77			%	03/03/15	DD	30 - 130 %
% Nitrobenzene-d5	81			%	03/03/15	DD	30 - 130 %
% Phenol-d5	78			%	03/03/15	DD	30 - 130 %
% Terphenyl-d14	97			%	03/03/15	DD	30 - 130 %

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83		ug/L	03/04/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	83		ug/L	03/04/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	83		ug/L	03/04/15	DD	SW8270D
2,4-Dinitrotoluene	ND	83		ug/L	03/04/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	83		ug/L	03/04/15	DD	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83		ug/L	03/04/15	DD	SW8270D
Hexachlorobenzene	ND	83		ug/L	03/04/15	DD	SW8270D
Hexachlorobutadiene	ND	83		ug/L	03/04/15	DD	SW8270D
Hexachloroethane	ND	83		ug/L	03/04/15	DD	SW8270D
Nitrobenzene	ND	83		ug/L	03/04/15	DD	SW8270D
Pentachlorophenol	ND	83		ug/L	03/04/15	DD	SW8270D
Pyridine	ND	83		ug/L	03/04/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79			%	03/04/15	DD	15 - 110 %
% 2-Fluorobiphenyl	56			%	03/04/15	DD	30 - 130 %
% 2-Fluorophenol	52			%	03/04/15	DD	15 - 110 %
% Nitrobenzene-d5	65			%	03/04/15	DD	30 - 130 %
% Phenol-d5	43			%	03/04/15	DD	15 - 110 %
% Terphenyl-d14	58			%	03/04/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed				03/05/15	DD	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Corrosivity is based solely on the pH analysis performed above.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

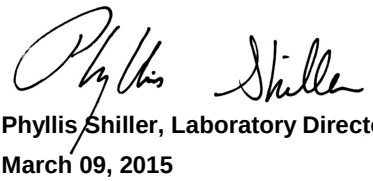
The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 09, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-11

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78392

Matrix:(soil/water) SOIL Lab Sample ID: BH78392

Sample wt/vol: 4.35 (g/mL) g Lab File ID: 0304B11.D

Level: (low/med) ENL Date Received: 03/02/15

% Moisture: not dec. 9 Date Analyzed: 03/04/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-13

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78392

Matrix:(soil/water) SOIL Lab Sample ID: BH78393

Sample wt/vol: 4.5 (g/mL) g Lab File ID: 0304B12.D

Level: (low/med) ENL Date Received: 03/02/15

% Moisture: not dec. 15 Date Analyzed: 03/04/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-11

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78392

Matrix:(soil/water) SOIL Lab Sample ID: BH78392

Sample wt/vol: 15.39 (g/mL) g Lab File ID: 0304_21.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 9 decanted:(Y/N) NA Date Extracted: 03/04/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/4/2015

Conc. Extract Volume: 5000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-13

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH78392

Matrix:(soil/water) SOIL Lab Sample ID: BH78393

Sample wt/vol: 15.19 (g/mL) g Lab File ID: 0302_22.D

Level: (low/med) Low Date Received: 03/02/15

% Moisture: not dec. 15 decanted:(Y/N) NA Date Extracted: 03/03/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/3/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.769	1400	JN
000192-97-2	Benzo[e]pyrene	19.592	440	JN

FORM I SEMIVOA-TIC

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78392

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300495, QC Sample No: BH78121 (BH78392, BH78393)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.01	<0.01	NC	108	110	1.8	108	111	2.7	75 - 125	20	
Barium	0.02	0.60	0.62	3.30	95.3	97.0	1.8	92.9	97.6	4.9	75 - 125	20	
Cadmium	BRL	0.009	0.008	NC	97.9	100	2.1	98.0	101	3.0	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	98.7	101	2.3	99.6	102	2.4	75 - 125	20	
Copper	BRL	1.90	1.94	2.10	105	108	2.8	105	115	9.1	75 - 125	20	
Lead	BRL	0.259	0.264	1.90	98.0	99.8	1.8	98.0	101	3.0	75 - 125	20	
Nickel	BRL	0.087	0.088	1.10	97.0	99.0	2.0	96.5	99.3	2.9	75 - 125	20	
Selenium	BRL	<0.04	<0.01	NC	106	107	0.9	106	107	0.9	75 - 125	20	
Silver	BRL	<0.005	<0.010	NC	107	109	1.9	109	111	1.8	75 - 125	20	
Zinc	BRL	3.73	3.82	2.40	102	105	2.9	93.1	110	16.6	75 - 125	20	
QA/QC Batch 300603, QC Sample No: BH78166 (BH78392, BH78393)													
Mercury - Soil	BRL	<0.03	<0.03	NC	97.0	101	4.0	105	98.8	6.1	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 300557, QC Sample No: BH78307 (BH78392, BH78393)													
ICP Metals - Soil													
Aluminum	BRL	5790	6480	11.2	103	99.1	3.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<1.8	<3.6	NC	105	110	4.7	88.6	90.4	2.0	75 - 125	30	
Arsenic	BRL	1.3	1.47	NC	99.2	97.0	2.2	92.0	94.5	2.7	75 - 125	30	
Barium	BRL	62.5	49.3	23.6	111	112	0.9	91.1	94.3	3.5	75 - 125	30	
Beryllium	BRL	0.31	0.33	NC	103	101	2.0	96.6	94.6	2.1	75 - 125	30	
Cadmium	BRL	<0.36	<0.36	NC	88.6	89.6	1.1	92.6	95.9	3.5	75 - 125	30	
Calcium	BRL	310	385	21.6	103	102	1.0	>130	>130	NC	75 - 125	30	m
Chromium	BRL	12.2	13.3	8.60	103	106	2.9	103	104	1.0	75 - 125	30	
Cobalt	BRL	5.19	6.00	14.5	88.1	89.9	2.0	96.4	99.4	3.1	75 - 125	30	
Copper	BRL	10.7	11.4	6.30	95.1	94.8	0.3	104	107	2.8	75 - 125	30	
Iron	BRL	13500	16000	16.9	87.9	90.3	2.7	NC	NC	NC	75 - 125	30	
Lead	BRL	4.6	4.32	6.30	91.5	93.9	2.6	93.6	96.8	3.4	75 - 125	30	
Magnesium	BRL	1310	1530	15.5	103	102	1.0	NC	NC	NC	75 - 125	30	
Manganese	BRL	503	462	8.50	111	110	0.9	105	65.4	46.5	75 - 125	30	m,r
Nickel	BRL	8.91	9.24	3.60	101	102	1.0	96.1	99.4	3.4	75 - 125	30	
Potassium	BRL	686	653	4.90	96.4	90.9	5.9	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.4	<1.4	NC	87.8	89.2	1.6	79.3	82.1	3.5	75 - 125	30	
Silver	BRL	<0.36	<0.36	NC	102	103	1.0	96.9	100	3.1	75 - 125	30	
Sodium	BRL	414	459	10.3	109	103	5.7	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<1.4	<3.2	NC	100	101	1.0	94.8	98.0	3.3	75 - 125	30	
Vanadium	BRL	20.2	22.7	11.7	110	115	4.4	104	105	1.0	75 - 125	30	
Zinc	BRL	19.2	21.1	9.40	91.8	91.7	0.1	95.6	98.4	2.9	75 - 125	30	
QA/QC Batch 300605, QC Sample No: BH78502 (BH78392, BH78393)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	107	96.5	10.3	103	99.0	4.0	70 - 130	20	

QA/QC Data

SDG I.D.: GBH78392

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 300842, QC Sample No: BH79033 (BH78392, BH78393)													
Hex Chromium - Solid													
Hexavalent Cr	BRL	<0.52	<0.52	NC	98.3						70 - 130	30	
Insoluble Cr					92.2			81.8			70 - 130	30	
Soluble Cr					96.2			37.3			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries.													

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78392

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300506, QC Sample No: BH78121 (BH78392, BH78393)												
Flash Point		>200	>200	NC	101						85 - 115	30
QA/QC Batch 300594, QC Sample No: BH78392 (BH78392, BH78393)												
pH - Soil		10.88	10.97	0.80	97.9						85 - 115	20
QA/QC Batch 300676, QC Sample No: BH78392 (BH78392, BH78393)												
Reactivity Cyanide	BRL	<5.5	<5.4	NC	96.2						85 - 115	30

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QA/QC Report

March 09, 2015

QA/QC Data

SDG I.D.: GBH78392

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300248, QC Sample No: BH73653 (BH78392, BH78393)										
TPH by GC - Solid										
Total Petroleum Hydrocarbon	ND	66	78	16.7	141	139	1.4	60 - 120	30	
% Chlorobenzene (surrogate)	41	43	48	11.0	47	49	4.2	60 - 120	30	l,m
% Pentacosane (surrogate)	47	52	63	19.1	117	94	21.8	50 - 150	30	
QA/QC Batch 300419, QC Sample No: BH77341 (BH78392, BH78393)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	81	86	6.0				40 - 140	20	
2,4-D	ND	68	59	14.2				40 - 140	20	
% DCAA (Surrogate Rec)	46	67	76	12.6				30 - 150	20	
Comment:										
A LCS and LCSD were performed instead of a matrix spike and matrix spike duplicate.										
QA/QC Batch 300546, QC Sample No: BH77518 (BH78392, BH78393)										
Semivolatiles										
1,4-Dichlorobenzene	ND	64	65	1.6				30 - 130	20	
2,4,5-Trichlorophenol	ND	93	92	1.1				30 - 130	20	
2,4,6-Trichlorophenol	ND	87	88	1.1				30 - 130	20	
2,4-Dinitrotoluene	ND	91	93	2.2				30 - 130	20	
2-Methylphenol (o-cresol)	ND	79	81	2.5				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	79	81	2.5				30 - 130	20	
Hexachlorobenzene	ND	84	85	1.2				30 - 130	20	
Hexachlorobutadiene	ND	69	70	1.4				30 - 130	20	
Hexachloroethane	ND	59	60	1.7				30 - 130	20	
Nitrobenzene	ND	78	80	2.5				30 - 130	20	
Pentachlorophenol	ND	95	95	0.0				30 - 130	20	
Pyridine	ND	33	34	3.0				30 - 130	20	
% 2,4,6-Tribromophenol	76	81	81	0.0				15 - 110	20	
% 2-Fluorobiphenyl	62	72	74	2.7				30 - 130	20	
% 2-Fluorophenol	45	59	59	0.0				15 - 110	20	
% Nitrobenzene-d5	59	72	74	2.7				30 - 130	20	
% Phenol-d5	40	49	51	4.0				15 - 110	20	
% Terphenyl-d14	90	92	93	1.1				30 - 130	20	
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)										
QA/QC Batch 300444, QC Sample No: BH77859 (BH78392, BH78393)										
Semivolatiles - Solid										
1,1-Biphenyl	ND	76	79	3.9	84	83	1.2	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	82	6.3	84	86	2.4	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	94	98	4.2	104	104	0.0	30 - 130	30	

QA/QC Data

SDG I.D.: GBH78392

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4,5-Trichlorophenol	ND	88	92	4.4	98	98	0.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	87	91	4.5	94	94	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	82	88	7.1	89	91	2.2	30 - 130	30	
2,4-Dimethylphenol	ND	78	80	2.5	81	77	5.1	30 - 130	30	
2,4-Dinitrophenol	ND	26	31	17.5	18	21	15.4	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	88	90	2.2	94	94	0.0	30 - 130	30	
2,6-Dinitrotoluene	ND	86	90	4.5	94	94	0.0	30 - 130	30	
2-Chloronaphthalene	ND	77	81	5.1	85	85	0.0	30 - 130	30	
2-Chlorophenol	ND	75	81	7.7	83	84	1.2	30 - 130	30	
2-Methylnaphthalene	ND	80	85	6.1	87	89	2.3	30 - 130	30	
2-Methylphenol (o-cresol)	ND	74	79	6.5	79	80	1.3	30 - 130	30	
2-Nitroaniline	ND	89	95	6.5	86	91	5.6	30 - 130	30	
2-Nitrophenol	ND	79	84	6.1	88	90	2.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	82	87	5.9	86	88	2.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	76	82	7.6	77	78	1.3	30 - 130	30	
3-Nitroaniline	ND	85	89	4.6	87	92	5.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	49	57	15.1	75	78	3.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	81	85	4.8	92	90	2.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	88	93	5.5	94	96	2.1	30 - 130	30	
4-Chloroaniline	ND	74	77	4.0	76	77	1.3	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	81	84	3.6	88	87	1.1	30 - 130	30	
4-Nitroaniline	ND	85	90	5.7	92	93	1.1	30 - 130	30	
4-Nitrophenol	ND	93	100	7.3	97	98	1.0	30 - 130	30	
Acenaphthene	ND	84	88	4.7	91	90	1.1	30 - 130	30	
Acenaphthylene	ND	78	81	3.8	85	84	1.2	30 - 130	30	
Acetophenone	ND	78	83	6.2	84	86	2.4	30 - 130	30	
Anthracene	ND	81	87	7.1	91	89	2.2	30 - 130	30	
Atrazine	ND	80	82	2.5	91	82	10.4	30 - 130	30	
Benz(a)anthracene	ND	84	89	5.8	90	90	0.0	30 - 130	30	
Benzaldehyde	ND	53	63	17.2	125	141	12.0	30 - 130	30	m
Benzo(a)pyrene	ND	81	86	6.0	89	89	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	78	82	5.0	88	85	3.5	30 - 130	30	
Benzo(ghi)perylene	ND	90	96	6.5	101	99	2.0	30 - 130	30	
Benzo(k)fluoranthene	ND	81	87	7.1	88	89	1.1	30 - 130	30	
Benzyl butyl phthalate	ND	85	88	3.5	97	92	5.3	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	80	83	3.7	86	86	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	64	68	6.1	68	71	4.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	66	70	5.9	72	73	1.4	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	85	88	3.5	96	91	5.3	30 - 130	30	
Caprolactam	ND	78	80	2.5	87	87	0.0	30 - 130	30	
Carbazole	ND	84	89	5.8	92	87	5.6	30 - 130	30	
Chrysene	ND	88	93	5.5	95	96	1.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	89	95	6.5	101	98	3.0	30 - 130	30	
Dibenzofuran	ND	83	88	5.8	90	90	0.0	30 - 130	30	
Diethyl phthalate	ND	85	85	0.0	91	89	2.2	30 - 130	30	
Dimethylphthalate	ND	83	85	2.4	91	89	2.2	30 - 130	30	
Di-n-butylphthalate	ND	77	80	3.8	88	80	9.5	30 - 130	30	
Di-n-octylphthalate	ND	90	95	5.4	97	97	0.0	30 - 130	30	
Fluoranthene	ND	79	85	7.3	90	86	4.5	30 - 130	30	
Fluorene	ND	82	85	3.6	89	88	1.1	30 - 130	30	
Hexachlorobenzene	ND	79	82	3.7	90	84	6.9	30 - 130	30	
Hexachlorobutadiene	ND	74	77	4.0	82	82	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	90	100	10.5	91	102	11.4	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Hexachloroethane	ND	66	71	7.3	72	73	1.4	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	89	96	7.6	101	99	2.0	30 - 130	30
Isophorone	ND	75	77	2.6	81	80	1.2	30 - 130	30
Naphthalene	ND	74	80	7.8	81	83	2.4	30 - 130	30
Nitrobenzene	ND	73	79	7.9	79	82	3.7	30 - 130	30
N-Nitrosodimethylamine	ND	58	62	6.7	63	63	0.0	30 - 130	30
N-Nitrosodi-n-propylamine	ND	76	80	5.1	82	83	1.2	30 - 130	30
N-Nitrosodiphenylamine	ND	85	87	2.3	89	91	2.2	30 - 130	30
Pentachlorophenol	ND	104	114	9.2	127	124	2.4	30 - 130	30
Phenanthrene	ND	82	86	4.8	91	88	3.4	30 - 130	30
Phenol	ND	71	77	8.1	77	79	2.6	30 - 130	30
Pyrene	ND	79	83	4.9	90	85	5.7	30 - 130	30
% 2,4,6-Tribromophenol	100	83	88	5.8	92	91	1.1	30 - 130	30
% 2-Fluorobiphenyl	77	75	79	5.2	83	83	0.0	30 - 130	30
% 2-Fluorophenol	64	70	75	6.9	76	77	1.3	30 - 130	30
% Nitrobenzene-d5	67	71	78	9.4	77	80	3.8	30 - 130	30
% Phenol-d5	70	73	79	7.9	79	81	2.5	30 - 130	30
% Terphenyl-d14	88	84	90	6.9	98	93	5.2	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 300457, QC Sample No: BH78084 (BH78392, BH78393)

Pesticides - Solid

4,4' -DDD	ND	128	130	1.6	130	132	1.5	40 - 140	30
4,4' -DDE	ND	108	110	1.8	102	103	1.0	40 - 140	30
4,4' -DDT	ND	116	119	2.6	113	111	1.8	40 - 140	30
a-BHC	ND	112	115	2.6	104	106	1.9	40 - 140	30
a-Chlordane	ND	110	113	2.7	104	108	3.8	40 - 140	30
Aldrin	ND	105	106	0.9	98	98	0.0	40 - 140	30
b-BHC	ND	112	110	1.8	107	107	0.0	40 - 140	30
Chlordane	ND	104	105	1.0	98	99	1.0	40 - 140	30
d-BHC	ND	89	89	0.0	85	86	1.2	40 - 140	30
Dieldrin	ND	104	108	3.8	102	103	1.0	40 - 140	30
Endosulfan I	ND	114	112	1.8	105	107	1.9	40 - 140	30
Endosulfan II	ND	104	91	13.3	106	104	1.9	40 - 140	30
Endosulfan sulfate	ND	84	79	6.1	83	84	1.2	40 - 140	30
Endrin	ND	109	112	2.7	107	107	0.0	40 - 140	30
Endrin aldehyde	ND	107	90	17.3	105	111	5.6	40 - 140	30
Endrin ketone	ND	109	113	3.6	103	105	1.9	40 - 140	30
g-BHC	ND	112	115	2.6	119	120	0.8	40 - 140	30
g-Chlordane	ND	104	105	1.0	98	99	1.0	40 - 140	30
Heptachlor	ND	111	116	4.4	105	108	2.8	40 - 140	30
Heptachlor epoxide	ND	109	112	2.7	104	104	0.0	40 - 140	30
Methoxychlor	ND	113	115	1.8	114	110	3.6	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	98	94	96	2.1	87	87	0.0	30 - 150	30
% TCMX	86	87	90	3.4	79	81	2.5	30 - 150	30

QA/QC Batch 300456, QC Sample No: BH78084 (BH78392, BH78393)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	95	95	0.0	92	89	3.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30

QA/QC Data

SDG I.D.: GBH78392

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	99	99	0.0	96	95	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	83	103	102	1.0	99	97	2.0	30 - 150	30
% TCMX (Surrogate Rec)	69	102	102	0.0	94	92	2.2	30 - 150	30
QA/QC Batch 300647, QC Sample No: BH78392 (BH78392, BH78393)									
Gasoline Range Organics (C6C10) - Solid									
Gasoline Range Organics (C6-C10)	ND	74	76	2.7				60 - 120	30
QA/QC Batch 300661, QC Sample No: BH78392 (BH78392, BH78393)									
Pesticides									
4,4' -DDD	ND	78	84	7.4				40 - 140	20
4,4' -DDE	ND	81	93	13.8				40 - 140	20
4,4' -DDT	ND	82	83	1.2				40 - 140	20
a-BHC	ND	77	84	8.7				40 - 140	20
a-Chlordane	ND	87	84	3.5				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	70	72	2.8				40 - 140	20
b-BHC	ND	82	87	5.9				40 - 140	20
Chlordane	ND	81	85	4.8				40 - 140	20
d-BHC	ND	70	73	4.2				40 - 140	20
Dieldrin	ND	88	97	9.7				40 - 140	20
Endosulfan I	ND	82	86	4.8				40 - 140	20
Endosulfan II	ND	84	88	4.7				40 - 140	20
Endosulfan sulfate	ND	80	83	3.7				40 - 140	20
Endrin	ND	80	86	7.2				40 - 140	20
Endrin aldehyde	ND	100	103	3.0				40 - 140	20
g-BHC	ND	82	87	5.9				40 - 140	20
g-Chlordane	ND	81	85	4.8				40 - 140	20
Heptachlor	ND	73	77	5.3				40 - 140	20
Heptachlor epoxide	ND	82	86	4.8				40 - 140	20
Methoxychlor	ND	76	78	2.6				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	76	75	71	5.5				40 - 150	20
% TCMX	73	69	77	11.0				40 - 150	20
QA/QC Batch 300767, QC Sample No: BH78392 (BH78393 (5X))									
Volatiles - TCLP									
1,1-Dichloroethene	ND	92	97	5.3	92	89	3.3	70 - 130	30
1,2-Dichloroethane	ND	90	94	4.3	93	91	2.2	70 - 130	30
Benzene	ND	94	99	5.2	96	94	2.1	70 - 130	30
Carbon tetrachloride	ND	92	97	5.3	90	89	1.1	70 - 130	30
Chlorobenzene	ND	100	105	4.9	104	100	3.9	70 - 130	30
Chloroform	ND	93	97	4.2	96	93	3.2	70 - 130	30
Methyl ethyl ketone	ND	88	91	3.4	96	93	3.2	70 - 130	30
Tetrachloroethene	ND	103	109	5.7	103	99	4.0	70 - 130	30
Trichloroethene	ND	94	99	5.2	97	94	3.1	70 - 130	30
Vinyl chloride	ND	86	92	6.7	91	91	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	97	96	99	3.1	98	100	2.0	70 - 130	30
% Bromofluorobenzene	95	95	96	1.0	96	95	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH78392

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Dibromofluoromethane	98	101	99	2.0	100	101	1.0	70 - 130	30	
% Toluene-d8	99	98	99	1.0	99	98	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 300840, QC Sample No: BH78836 (BH78392, BH78393 (1X, 50X))

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	102	111	8.5	112	103	8.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	116	124	6.7	136	108	23.0	70 - 130	30	m
1,1,2-Trichloroethane	ND	97	105	7.9	106	94	12.0	70 - 130	30	
1,1-Dichloroethane	ND	105	112	6.5	114	105	8.2	70 - 130	30	
1,1-Dichloroethene	ND	105	114	8.2	114	101	12.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	100	110	9.5	94	77	19.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	109	10.6	95	77	20.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	105	113	7.3	123	95	25.7	70 - 130	30	
1,2-Dibromoethane	ND	98	106	7.8	105	94	11.1	70 - 130	30	
1,2-Dichlorobenzene	ND	102	112	9.3	111	91	19.8	70 - 130	30	
1,2-Dichloroethane	ND	97	105	7.9	103	93	10.2	70 - 130	30	
1,2-Dichloropropane	ND	104	112	7.4	111	103	7.5	70 - 130	30	
1,3-Dichlorobenzene	ND	100	112	11.3	112	93	18.5	70 - 130	30	
1,4-Dichlorobenzene	ND	106	118	10.7	119	97	20.4	70 - 130	30	
2-Hexanone	ND	96	105	9.0	104	85	20.1	70 - 130	30	
4-Methyl-2-pentanone	ND	99	105	5.9	105	90	15.4	70 - 130	30	
Acetone	ND	101	106	4.8	87	73	17.5	70 - 130	30	
Benzene	ND	103	111	7.5	111	101	9.4	70 - 130	30	
Bromochloromethane	ND	104	114	9.2	110	98	11.5	70 - 130	30	
Bromodichloromethane	ND	105	112	6.5	107	97	9.8	70 - 130	30	
Bromoform	ND	98	109	10.6	104	92	12.2	70 - 130	30	
Bromomethane	ND	94	106	12.0	106	96	9.9	70 - 130	30	
Carbon Disulfide	ND	123	134	8.6	116	106	9.0	70 - 130	30	l
Carbon tetrachloride	ND	100	108	7.7	106	99	6.8	70 - 130	30	
Chlorobenzene	ND	102	112	9.3	112	100	11.3	70 - 130	30	
Chloroethane	ND	94	100	6.2	109	101	7.6	70 - 130	30	
Chloroform	ND	102	111	8.5	111	101	9.4	70 - 130	30	
Chloromethane	ND	107	113	5.5	119	108	9.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	114	6.3	113	102	10.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	107	117	8.9	108	98	9.7	70 - 130	30	
Cyclohexane	ND	97	103	6.0	119	109	8.8	70 - 130	30	
Dibromochloromethane	ND	105	113	7.3	110	97	12.6	70 - 130	30	
Dichlorodifluoromethane	ND	107	116	8.1	117	108	8.0	70 - 130	30	
Ethylbenzene	ND	105	116	10.0	118	104	12.6	70 - 130	30	
Isopropylbenzene	ND	103	113	9.3	128	106	18.8	70 - 130	30	
m&p-Xylene	ND	103	113	9.3	116	102	12.8	70 - 130	30	
Methyl ethyl ketone	ND	94	98	4.2	97	82	16.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	98	106	7.8	101	92	9.3	70 - 130	30	
Methylacetate	ND	100	109	8.6	92	78	16.5	70 - 130	30	
Methylcyclohexane	ND	93	100	7.3	112	101	10.3	70 - 130	30	
Methylene chloride	ND	101	108	6.7	99	91	8.4	70 - 130	30	
o-Xylene	ND	105	115	9.1	116	103	11.9	70 - 130	30	
Styrene	ND	105	115	9.1	111	99	11.4	70 - 130	30	
Tetrachloroethene	ND	100	112	11.3	115	102	12.0	70 - 130	30	
Toluene	ND	101	109	7.6	109	100	8.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	108	118	8.8	114	105	8.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBH78392

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,3-Dichloropropene	ND	108	117	8.0	106	97	8.9	70 - 130	30
Trichloroethene	ND	99	106	6.8	107	97	9.8	70 - 130	30
Trichlorofluoromethane	ND	100	110	9.5	111	102	8.5	70 - 130	30
Trichlorotrifluoroethane	ND	104	112	7.4	114	104	9.2	70 - 130	30
Vinyl chloride	ND	102	110	7.5	119	110	7.9	70 - 130	30
% 1,2-dichlorobenzene-d4	102	101	100	1.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	96	100	100	0.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	100	103	101	2.0	99	98	1.0	70 - 130	30
% Toluene-d8	95	101	100	1.0	99	100	1.0	70 - 130	30

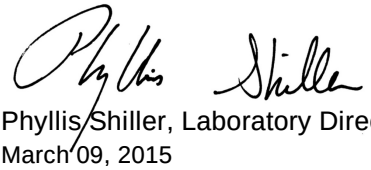
Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference



Phyllis Shiller, Laboratory Director
March 09, 2015

Sample Criteria Exceedences Report

GBH78392 - HESNY-TUCK

Criteria: NJ: RC; NY: 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH78392	$8270_TCLR	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	200	200	ug/Kg
BH78392	$8270_TCLR	2,6-Dinitrotoluene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	700	200	ug/Kg
BH78392	$8270_TCLR	3,3'-Dichlorobenzidine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	4300	1000	200	ug/Kg
BH78392	$8270_TCLR	4,6-Dinitro-2-methylphenol	NJ / Soil Remediation Standard / Res. Direct Contact	ND	10000	6000	300	ug/Kg
BH78392	$8270_TCLR	Acetophenone	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	2000	200	ug/Kg
BH78392	$8270_TCLR	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	600	200	ug/Kg
BH78392	$8270_TCLR	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	200	200	ug/Kg
BH78392	$8270_TCLR	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	3000	2500	600	200	ug/Kg
BH78392	$8270_TCLR	2,4-Dinitrotoluene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	700	200	ug/Kg
BH78392	$8270_TCLR	Bis(2-chloroethyl)ether	NJ / Soil Remediation Standard / Res. Direct Contact	ND	3600	400	200	ug/Kg
BH78392	$8270_TCLR	Hexachlorobenzene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	300	200	ug/Kg
BH78392	$8270_TCLR	N-Nitrosodi-n-propylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	200	200	ug/Kg
BH78392	$8270_TCLR	Pentachlorophenol	NJ / Soil Remediation Standard / Res. Direct Contact	ND	3600	3000	300	ug/Kg
BH78392	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2500	600	200	ug/Kg
BH78392	$8270_TCLR	N-Nitrosodimethylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	3600	700	700	ug/Kg
BH78392	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	500	500	ug/Kg
BH78392	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BH78392	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3000	2500	1000	1000	ug/Kg
BH78392	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	330	330	ug/Kg
BH78392	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2600	2500	1000	1000	ug/Kg
BH78392	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BH78392	$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	3600	2400	2400	ug/Kg
BH78392	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BH78393	$8270_TCLR	N-Nitrosodi-n-propylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	270	200	200	ug/Kg
BH78393	$8270_TCLR	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	630	270	600	200	ug/Kg
BH78393	$8270_TCLR	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	580	270	200	200	ug/Kg
BH78393	$8270_TCLR	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	710	270	600	200	ug/Kg
BH78393	$8270_TCLR	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	270	200	200	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 09, 2015

SDG I.D.: GBH78392

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 Ice Y N of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe NY
Report to: Tim Carr
Invoice to:

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664

Client Sample - Information - Identification

Sampler's Signature: R Gaffney Date: 2/27/15

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

Analysis Request: See Attached

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	5g EnCore	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container (4) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
78392	TB-11	S	2/27/15		3			2	1						
78393	TB-13	S	2/26/15		1			1	1						

Relinquished by:	Accepted by:	Date:	Time:
		3-2-15	12:10
	Monica Pen	3/2/15	15:48

Comments, Special Requirements or Regulations:
Running attached CleanEarth Protocol (13 tests) on both samples

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☒ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Clean Earth Sampling Protocol
Hybrid

PARAMETERS / METHODS		TOTAL PETROLEUM HYDROCARBONS (TPHC): GRO & DRO - Expanded to C44 (GRAB SAMPLE)	EPH (Extractable Petroleum Hydrocarbon)	TOTAL VOLATILE ORGANICS (TCL+10 & NJDEP SCC List + NJDEP SRS List)	TOTAL SEMIVOLATILE ORGANICS (TCL+10 & NJDEP SCC List + NJDEP SRS List)	Total Pesticides (TCL + NJDEP SRS List)	TAL Metals & Hexavalent Chromium and Mercury NJDEP SCC List &	TCLP METALS RCRA + Cu, Ni, Zn	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TCLP VOLATILE ORGANICS (GRAB SAMPLE)	TCLP SEMI VOLATILE ORGANICS	TCLP HERBICIDES	TCLP PESTICIDES
		8015M (expanded to C44)	Extractable Petroleum Hydrocarbon /EPH	8260B - with EnCore sampling devices	8270D	8081A/ 8151A	6000/ 7000	1311/6010	1010A	9040C	SW846 CHAPTER 7.3	8082A	1311/ 8260B	1311/ 8270D	1311/ 8151A	1311/ 8081B
	FREQUENCY															
HISTORIC FILL/ CONSTRUCTION FILL	Grab Sample Every 250 tons	X														
	Grab - every 1000 tons			X												
	5 point composite - every 1000 tons				X	X	X	X	X	X	X	X		X	X	X

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc.

Protocol for sampling requires the screening of each of the five (5) grab samples with a PID. The highest PID grab sample for every 1,000 tons is to be submitted for the VOC portion of the testing utilizing an ENCORE sampling device. The five (5) grab samples are then to be composited for every 1,000 tons and submitted for the remaining parameters.

In addition, Clean Earth of Carteret requires 1 EPH analysis every 100 cy, which can be analyzed from incoming loads.
CEP facility requires 1 grab sample every 250 tons to be analyzed for TPH-DRO/GRO-Extended to C44, which can be analyzed once need arises.
CE requests that enough grabs for TPHs are collected and put on hold for further analysis as needed.

PHOENIX
Environmental Laboratories, Inc.

Monday, March 16, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Sample ID#s: BH79483 - BH79489

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 16, 2015

SDG I.D.: GBH79483

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	11:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79483

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	03/05/15	LK	SW6010C
Aluminum	15000	56	mg/Kg	03/05/15	LK	SW6010C
Arsenic	4.3	0.7	mg/Kg	03/05/15	LK	SW6010C
Barium	155	0.37	mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.46	0.30	mg/Kg	03/05/15	LK	SW6010C
Calcium	13100	56	mg/Kg	03/05/15	LK	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	03/05/15	LK	SW6010C
Cobalt	12.9	0.37	mg/Kg	03/05/15	LK	SW6010C
Chromium	43.1	0.37	mg/Kg	03/05/15	LK	SW6010C
Copper	34.1	0.37	mg/kg	03/05/15	LK	SW6010C
Iron	24300	56	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.06	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	2360	5.6	mg/Kg	03/05/15	LK	SW6010C
Magnesium	9350	56	mg/Kg	03/05/15	LK	SW6010C
Manganese	404	3.7	mg/Kg	03/05/15	LK	SW6010C
Sodium	158	5.6	mg/Kg	03/05/15	LK	SW6010C
Nickel	28.1	0.37	mg/Kg	03/05/15	LK	SW6010C
Lead	180	3.7	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.7	3.7	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	03/05/15	LK	SW6010C
Vanadium	62.5	0.37	mg/Kg	03/05/15	LK	SW6010C
Zinc	258	3.7	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	82		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.55	0.55	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1221	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1232	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1242	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1248	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1254	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1260	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1262	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1268	ND	79	ug/Kg	03/05/15	KCA	SW8082A
QA/QC Surrogates						
% DCBP	91		%	03/05/15	KCA	30 - 150 %
% TCMX	66		%	03/05/15	KCA	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	62	81	ug/kg	03/05/15	JLI	SW8260C
Benzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	90		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	96		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	96	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	560	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	560	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	560	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	690	560	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	800	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	970	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Phoenix I.D.: BH79483

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	2300	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	800	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	560	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	560	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	560	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	2300	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	810	560	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	1500	560	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	5600	560	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	5800	560	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	7700	560	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	2900	560	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	2500	560	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	560	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	780	560	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	2300	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	6000	560	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	790	560	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	7100	560	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	2700	560	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	720	560	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	800	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	560	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	4100	560	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	5800	560	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Phoenix I.D.: BH79483

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	81		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	71		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	67		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	70		%	03/05/15	DD	30 - 130 %
% Phenol-d5	66		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	55		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

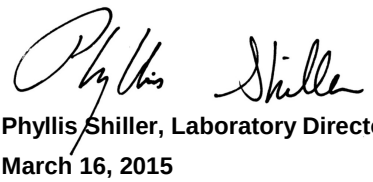
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	14:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79484

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	03/05/15	LK	SW6010C
Aluminum	8790	58	mg/Kg	03/05/15	LK	SW6010C
Arsenic	12.0	0.8	mg/Kg	03/05/15	LK	SW6010C
Barium	104	0.39	mg/Kg	03/05/15	LK	SW6010C
Beryllium	< 0.31	0.31	mg/Kg	03/05/15	LK	SW6010C
Calcium	21600	58	mg/Kg	03/05/15	LK	SW6010C
Cadmium	1.15	0.39	mg/Kg	03/05/15	LK	SW6010C
Cobalt	9.44	0.39	mg/Kg	03/05/15	LK	SW6010C
Chromium	36.5	0.39	mg/Kg	03/05/15	LK	SW6010C
Copper	150	3.9	mg/kg	03/05/15	LK	SW6010C
Iron	24900	58	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.34	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	1540	5.8	mg/Kg	03/05/15	LK	SW6010C
Magnesium	6890	58	mg/Kg	03/05/15	LK	SW6010C
Manganese	286	3.9	mg/Kg	03/05/15	LK	SW6010C
Sodium	354	5.8	mg/Kg	03/05/15	LK	SW6010C
Nickel	28.6	0.39	mg/Kg	03/05/15	LK	SW6010C
Lead	419	3.9	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.9	3.9	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.5	3.5	mg/Kg	03/05/15	LK	SW6010C
Vanadium	56.4	0.39	mg/Kg	03/05/15	LK	SW6010C
Zinc	342	3.9	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	79		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.63	0.63	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1221	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1232	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1242	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1248	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1254	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1260	1100	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1262	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1268	ND	410	ug/Kg	03/06/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	120		%	03/06/15	AW	30 - 150 %
% TCMX	82		%	03/06/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	250	81	ug/kg	03/05/15	JLI	SW8260C
Benzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	110	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	13	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	101		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	86		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	590	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	840	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	1000	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Phoenix I.D.: BH79484

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	2400	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	840	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	590	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	590	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	590	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	2400	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	790	590	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	840	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	590	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	3600	590	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	2400	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	730	590	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	850	590	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	840	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	590	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	840	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	800	590	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	670	590	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Phoenix I.D.: BH79484

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	76		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	49		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	60		%	03/05/15	DD	30 - 130 %
% Phenol-d5	54		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	50		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

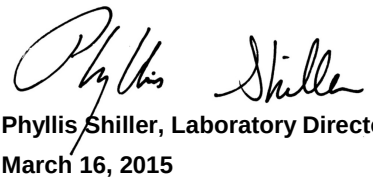
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	14:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79485

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.51	0.51	mg/Kg	03/05/15	LK	SW6010C
Aluminum	11300	76	mg/Kg	03/05/15	LK	SW6010C
Arsenic	25.1	1.0	mg/Kg	03/05/15	LK	SW6010C
Barium	1120	0.51	mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.46	0.40	mg/Kg	03/05/15	LK	SW6010C
Calcium	5090	7.6	mg/Kg	03/05/15	LK	SW6010C
Cadmium	3.12	0.51	mg/Kg	03/05/15	LK	SW6010C
Cobalt	6.72	0.51	mg/Kg	03/05/15	LK	SW6010C
Chromium	82.0	0.51	mg/Kg	03/05/15	LK	SW6010C
Copper	69.0	0.51	mg/kg	03/05/15	LK	SW6010C
Iron	15500	76	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.29	0.04	mg/Kg	03/05/15	MA	SW7471B
Potassium	1640	7.6	mg/Kg	03/05/15	LK	SW6010C
Magnesium	3580	7.6	mg/Kg	03/05/15	LK	SW6010C
Manganese	278	5.1	mg/Kg	03/05/15	LK	SW6010C
Sodium	229	7.6	mg/Kg	03/05/15	LK	SW6010C
Nickel	21.8	0.51	mg/Kg	03/05/15	LK	SW6010C
Lead	589	5.1	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 5.1	5.1	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 2.0	2.0	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 4.6	4.6	mg/Kg	03/05/15	LK	SW6010C
Vanadium	80.5	0.51	mg/Kg	03/05/15	LK	SW6010C
Zinc	216	5.1	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	61		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.82	0.82	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1221	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1232	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1242	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1248	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1254	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1260	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1262	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1268	ND	54	ug/Kg	03/06/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	46		%	03/06/15	AW	30 - 150 %
% TCMX	51		%	03/06/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	220	81	ug/kg	03/05/15	JLI	SW8260C
Benzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	110	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	12	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	94		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	100		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	105		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	84		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	380	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	870	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	870	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	540	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	650	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	870	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Phoenix I.D.: BH79485

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	1600	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	540	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	380	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	380	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	380	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	870	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	1600	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	620	380	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	640	380	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	540	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	380	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	3200	380	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	1600	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	640	380	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	990	380	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	540	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	380	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	540	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	540	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	440	380	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	810	380	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Phoenix I.D.: BH79485

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	92		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	60		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	66		%	03/05/15	DD	30 - 130 %
% Phenol-d5	64		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	68		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

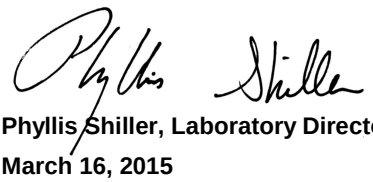
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	12:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79486

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	03/05/15	LK	SW6010C
Aluminum	10600	54	mg/Kg	03/05/15	LK	SW6010C
Arsenic	3.3	0.7	mg/Kg	03/05/15	LK	SW6010C
Barium	79.1	0.36	mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.34	0.29	mg/Kg	03/05/15	LK	SW6010C
Calcium	15600	54	mg/Kg	03/05/15	LK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	03/05/15	LK	SW6010C
Cobalt	9.57	0.36	mg/Kg	03/05/15	LK	SW6010C
Chromium	25.2	0.36	mg/Kg	03/05/15	LK	SW6010C
Copper	60.7	0.36	mg/kg	03/05/15	LK	SW6010C
Iron	20100	54	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.04	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	2340	5.4	mg/Kg	03/05/15	LK	SW6010C
Magnesium	6620	54	mg/Kg	03/05/15	LK	SW6010C
Manganese	279	3.6	mg/Kg	03/05/15	LK	SW6010C
Sodium	289	5.4	mg/Kg	03/05/15	LK	SW6010C
Nickel	20.3	0.36	mg/Kg	03/05/15	LK	SW6010C
Lead	52.5	0.36	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.6	3.6	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	03/05/15	LK	SW6010C
Vanadium	42.0	0.36	mg/Kg	03/05/15	LK	SW6010C
Zinc	71.0	0.36	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	87		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.48	0.48	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1221	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1232	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1242	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1248	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1254	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1260	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1262	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1268	ND	74	ug/Kg	03/05/15	KCA	SW8082A
QA/QC Surrogates						
% DCBP	65		%	03/05/15	KCA	30 - 150 %
% TCMX	68		%	03/05/15	KCA	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/05/15	JLI	SW8260C
Benzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	95		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	88		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	91		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	530	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1200	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	760	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	920	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Phoenix I.D.: BH79486

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	760	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	1200	530	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	1200	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	1500	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	600	530	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	530	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	770	530	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	1200	530	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	1900	530	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	760	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	530	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	1700	530	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	1600	530	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Phoenix I.D.: BH79486

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	81		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	74		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	66		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	82		%	03/05/15	DD	30 - 130 %
% Phenol-d5	66		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	61		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

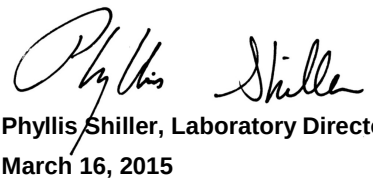
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	12:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79487

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	03/05/15	LK	SW6010C
Aluminum	8160	60	mg/Kg	03/05/15	LK	SW6010C
Arsenic	4.0	0.8	mg/Kg	03/05/15	LK	SW6010C
Barium	57.9	0.40	mg/Kg	03/05/15	LK	SW6010C
Beryllium	< 0.32	0.32	mg/Kg	03/05/15	LK	SW6010C
Calcium	62400	60	mg/Kg	03/05/15	LK	SW6010C
Cadmium	< 0.40	0.40	mg/Kg	03/05/15	LK	SW6010C
Cobalt	7.28	0.40	mg/Kg	03/05/15	LK	SW6010C
Chromium	26.0	0.40	mg/Kg	03/05/15	LK	SW6010C
Copper	28.0	0.40	mg/kg	03/05/15	LK	SW6010C
Iron	13600	60	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.05	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	1860	6.0	mg/Kg	03/05/15	LK	SW6010C
Magnesium	30000	60	mg/Kg	03/05/15	LK	SW6010C
Manganese	208	4.0	mg/Kg	03/05/15	LK	SW6010C
Sodium	321	6.0	mg/Kg	03/05/15	LK	SW6010C
Nickel	16.3	0.40	mg/Kg	03/05/15	LK	SW6010C
Lead	40.6	0.40	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 4.0	4.0	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.6	3.6	mg/Kg	03/05/15	LK	SW6010C
Vanadium	36.5	0.40	mg/Kg	03/05/15	LK	SW6010C
Zinc	48.1	0.40	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	86		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.58	0.58	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1221	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1232	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1242	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1248	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1254	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1260	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1262	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1268	ND	77	ug/Kg	03/05/15	KCA	SW8082A
QA/QC Surrogates						
% DCBP	64		%	03/05/15	KCA	30 - 150 %
% TCMX	69		%	03/05/15	KCA	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	61	81	ug/kg	03/05/15	JLI	SW8260C
Benzene	6.9	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	96		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	104		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	82		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	83		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	530	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1200	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	760	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	910	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Phoenix I.D.: BH79487

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	760	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	1100	530	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	2200	530	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	2000	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	2900	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	1100	530	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	530	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	2300	530	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	3700	530	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	760	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	530	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	3600	530	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	3000	530	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Phoenix I.D.: BH79487

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	68		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	75		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	64		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	81		%	03/05/15	DD	30 - 130 %
% Phenol-d5	65		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	59		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

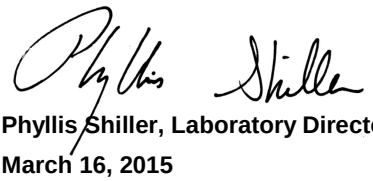
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	15:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79488

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	03/05/15	LK	SW6010C
Aluminum	11200	53	mg/Kg	03/05/15	LK	SW6010C
Arsenic	3.3	0.7	mg/Kg	03/05/15	LK	SW6010C
Barium	73.8	0.35	mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.32	0.28	mg/Kg	03/05/15	LK	SW6010C
Calcium	24800	53	mg/Kg	03/05/15	LK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	03/05/15	LK	SW6010C
Cobalt	11.4	0.35	mg/Kg	03/05/15	LK	SW6010C
Chromium	24.8	0.35	mg/Kg	03/05/15	LK	SW6010C
Copper	57.7	0.35	mg/kg	03/05/15	LK	SW6010C
Iron	20700	53	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.28	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	3160	5.3	mg/Kg	03/05/15	LK	SW6010C
Magnesium	14500	53	mg/Kg	03/05/15	LK	SW6010C
Manganese	349	3.5	mg/Kg	03/05/15	LK	SW6010C
Sodium	293	5.3	mg/Kg	03/05/15	LK	SW6010C
Nickel	19.0	0.35	mg/Kg	03/05/15	LK	SW6010C
Lead	49.3	0.35	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.5	3.5	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	03/05/15	LK	SW6010C
Vanadium	37.5	0.35	mg/Kg	03/05/15	LK	SW6010C
Zinc	70.8	0.35	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	87		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.57	0.57	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1221	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1232	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1242	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1248	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1254	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1260	190	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1262	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1268	ND	76	ug/Kg	03/06/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	64		%	03/06/15	AW	30 - 150 %
% TCMX	63		%	03/06/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/05/15	JLI	SW8260C
Benzene	5.9	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	8.4	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	4.1	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	5.1	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	4.9	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	13.5	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	95		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	96		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	93		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	95		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	70	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	1300	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	3000	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	3000	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1900	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	2300	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	3000	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	5500	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	1900	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	3000	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	5500	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	2900	1300	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	4500	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	4000	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	5900	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	2300	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	1900	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	1300	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	5500	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	4800	1300	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	1400	1300	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	8600	1300	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	1800	1300	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	2100	1300	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	1900	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	1900	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	10000	1300	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	6500	1300	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	69		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	71		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	62		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	74		%	03/05/15	DD	30 - 130 %
% Phenol-d5	60		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	55		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

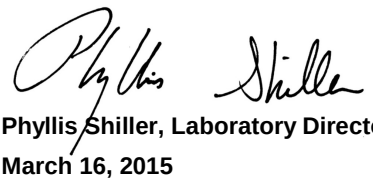
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	10:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79489

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	5.10	0.58	mg/Kg	03/05/15	LK	SW6010C
Aluminum	10300	88	mg/Kg	03/05/15	LK	SW6010C
Arsenic	17.1	1.2	mg/Kg	03/05/15	LK	SW6010C
Barium	332	0.58	mg/Kg	03/05/15	LK	SW6010C
Beryllium	< 0.47	0.47	mg/Kg	03/05/15	LK	SW6010C
Calcium	86900	88	mg/Kg	03/05/15	LK	SW6010C
Cadmium	3.25	0.58	mg/Kg	03/05/15	LK	SW6010C
Cobalt	12.3	0.58	mg/Kg	03/05/15	LK	SW6010C
Chromium	84.7	0.58	mg/Kg	03/05/15	LK	SW6010C
Copper	90.9	0.58	mg/kg	03/05/15	LK	SW6010C
Iron	30900	88	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.57	0.05	mg/Kg	03/05/15	MA	SW7471B
Potassium	2440	8.8	mg/Kg	03/05/15	LK	SW6010C
Magnesium	50100	88	mg/Kg	03/05/15	LK	SW6010C
Manganese	324	5.8	mg/Kg	03/05/15	LK	SW6010C
Sodium	202	8.8	mg/Kg	03/05/15	LK	SW6010C
Nickel	35.0	0.58	mg/Kg	03/05/15	LK	SW6010C
Lead	570	5.8	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 7.0	7.0	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 2.3	2.3	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 5.3	5.3	mg/Kg	03/05/15	LK	SW6010C
Vanadium	52.7	0.58	mg/Kg	03/05/15	LK	SW6010C
Zinc	677	5.8	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	57		%	03/04/15	I	SW846-%Solid
Total Cyanide	9.82	0.88	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1221	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1232	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1242	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1248	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1254	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1260	130	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1262	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1268	ND	120	ug/Kg	03/10/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	58		%	03/10/15	AW	30 - 150 %
% TCMX	56		%	03/10/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/06/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/06/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/06/15	JLI	SW8260C
Benzene	1800	8.1	ug/kg	03/06/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Chlorobenzene	ND	1000	ug/kg	03/06/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	1200	8.1	ug/kg	03/06/15	JLI	SW8260C
Isopropylbenzene	6900	360	ug/kg	03/06/15	JLI	SW8260C
m&p-Xylene	4500	8.1	ug/kg	03/06/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/06/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/06/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/06/15	JLI	SW8260C
Methylcyclohexane	9200	8.1	ug/kg	03/06/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Total Xylenes	4500	8.1	ug/kg	03/06/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/06/15	JLI	70 - 130 %
% Bromofluorobenzene	96		%	03/06/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	03/06/15	JLI	70 - 130 %
% Toluene-d8	92		%	03/06/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	17000	ug/kg	03/06/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/09/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	810	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1800	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	810	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	810	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	6500	810	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1800	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1200	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1800	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Phoenix I.D.: BH79489

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	3300	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	810	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	810	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	810	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1800	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	3300	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	1500	810	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	1200	810	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	1500	810	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	810	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	4000	810	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	3300	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	1500	810	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	2100	810	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	660	500	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	7400	810	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	810	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	2100	810	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	1700	810	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Phoenix I.D.: BH79489

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	93		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	65		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	67		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	62		%	03/05/15	DD	30 - 130 %
% Phenol-d5	70		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	51		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of non-target compounds.
There is an elevated reporting level for chlorobenzene because there was a problem with high level vials for this compound.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-3 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79483

Sample wt/vol: 6.33 (g/mL) g Lab File ID: 0304M45.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 18 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000526-73-8	Benzene, 1,2,3-trimethyl-	7.475	380	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.380	450	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.443	420	JN
	unknown	8.542	490	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.893	510	JN
000824-90-8	1-Phenyl-1-butene	9.274	360	JN
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	9.416	340	JN
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	9.630	510	JN
000091-57-6	Naphthalene, 2-methyl-	10.932	360	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (24-26)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79484

Sample wt/vol: 3.91 (g/mL) g Lab File ID: 0304M46.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 21 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000565-59-3	Pentane, 2,3-dimethyl-	3.009	410	JN
000590-73-8	Hexane, 2,2-dimethyl-	3.244	650	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.997	130	JN
000560-21-4	Pentane, 2,3,3-trimethyl-	4.091	140	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	7.470	270	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.380	110	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.448	92	JN
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	8.893	120	JN
	unknown	9.274	150	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (30-32)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79485

Sample wt/vol: 5.87 (g/mL) g Lab File ID: 0304M47.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 39 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	3.244	210	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	7.475	280	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.448	180	JN
	unknown	8.537	210	JN
	unknown	9.097	520	JN
006044-71-9	Dodecane, 6-methyl-	9.274	500	JN
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	9.630	200	JN
000629-50-5	Tridecane	9.996	470	JN
000544-76-3	Hexadecane	10.702	310	JN

FORM I VOA-TIC

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-9 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79486

Sample wt/vol: 5.43 (g/mL) g Lab File ID: 0304M48.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 13 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	7.308	7.5	JN
017312-83-3	Undecane, 5,7-dimethyl-	7.543	17	JN
	unknown	7.773	19	JN
	unknown	8.893	6.7	JN
	unknown	9.280	6.2	JN
000629-50-5	Tridecane	9.996	7.3	JN
000629-59-4	Tetradecane	10.702	6	JN

FORM I VOA-TIC

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-9 (7-9)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79487

Sample wt/vol: 5.61 (g/mL) g Lab File ID: 0304M49.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 14 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000066-25-1	Hexanal	5.556	32	JN
000611-14-3	Benzene, 1-ethyl-2-methyl-	7.031	14	JN
000622-96-8	Benzene, 1-ethyl-4-methyl-	7.308	13	JN
000620-14-4	Benzene, 1-ethyl-3-methyl-	7.475	22	JN
	unknown	8.537	17	JN
	unknown	9.097	22	JN
	unknown	9.280	25	JN
000769-25-5	Benzene, 2-ethenyl-1,3,5-trimethyl-	9.630	14	JN
000091-20-3	Naphthalene	9.970	16	JN

FORM I VOA-TIC

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (4-6)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79488

Sample wt/vol: 8.21 (g/mL) g Lab File ID: 0304M51.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 13 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000620-14-4	Benzene, 1-ethyl-3-methyl-	7.025	11	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	7.120	9.9	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	7.470	19	JN
000496-11-7	Indane	8.003	15	JN
	unknown	9.097	7.5	JN
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	9.274	13	JN
000091-20-3	Naphthalene	9.960	180	JN
000091-57-6	Naphthalene, 2-methyl-	10.817	27	JN
000090-12-0	Naphthalene, 1-methyl-	10.932	17	JN

FORM I VOA-TIC

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (32-34)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79489

Sample wt/vol: 5.21 (g/mL) g Lab File ID: 0306_17.D

Level: (low/med): Meth Date Received: 03/04/15

% Moisture: not dec. 43 Date Analyzed: 03/06/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 50

Soil Extract Volume: 10000 (uL) Soil Aliquot Vol (uL): 100

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000594-82-1	Butane, 2,2,3,3-tetramethyl-	3.252	70000	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.949	65000	JN
000609-26-7	Pentane, 3-ethyl-2-methyl-	4.038	110000	JN
000103-65-1	Benzene, propyl-	6.529	69000	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	6.681	71000	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	6.990	220000	JN
000496-11-7	Indane	7.436	50000	JN
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	7.499	49000	JN
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	7.729	53000	JN
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	7.808	44000	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-3 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79483

Sample wt/vol: 15.15 (g/mL) g Lab File ID: 0305_18.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 18 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.717	1700	JNA
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	6.936	1000	JN
017301-28-9	Undecane, 3,6-dimethyl-	7.828	1300	JN
	Unknown	8.007	720	JN
002051-30-1	Octane, 2,6-dimethyl-	8.405	1800	JN
004453-90-1	1,4-Methanonaphthalene, 1,4-dihydro-	8.942	740	JN
	Unknown	9.999	830	JN
	Unknown	13.881	760	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (24-26)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79484

Sample wt/vol: 15.1 (g/mL) g Lab File ID: 0305_19.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 21 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.719	1300	JNA
	Unknown	16.955	3800	JN
	Unknown	17.279	4700	JN
000630-02-4	Octacosane	22.192	6700	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (30-32)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79485

Sample wt/vol: 15.15 (g/mL) g Lab File ID: 0305_20.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 39 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.725	2200	JNA
017301-23-4	Undecane, 2,6-dimethyl-	7.828	450	JN
	Unknown	8.405	660	JN
000629-59-4	Tetradecane	10.124	540	JN
030824-81-8	Naphthalene, decahydro-1,4a-dimethyl-7-(1-methylet	10.530	600	JN
	Unknown	13.102	1000	JN
000057-10-3	n-Hexadecanoic acid	13.943	4000	JN
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-pentaene	14.977	2400	JN
	Unknown	18.538	5900	JN
	Unknown	18.728	3200	JN
000629-92-5	Nonadecane	18.896	2600	JN
000629-94-7	Heneicosane	22.217	5100	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-9 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79486

Sample wt/vol: 15.07 (g/mL) g Lab File ID: 0305_21.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 13 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.722	1700	JNA

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-9 (7-9)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79487

Sample wt/vol: 15.33 (g/mL) g Lab File ID: 0305_22.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 14 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.720	1900	JNA
	Unknown	13.881	750	JN
000092-06-8	m-Terphenyl	15.310	640	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-10 (4-6)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79488

Sample wt/vol: 15.16 (g/mL) g Lab File ID: 0305_23.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 13 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 5

Injection Volume: 2 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.720	1700	JNA
000629-50-5	Tridecane	8.681	1700	JN
000629-59-4	Tetradecane	9.601	1600	JN
000203-64-5	4H-Cyclopenta[def]phenanthrene	13.881	1600	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (32-34)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79489

Sample wt/vol: 15.22 (g/mL) g Lab File ID: 0305_22.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 43 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.780	3300	JN
000098-82-8	Benzene, (1-methylethyl)-	4.520	3800	JN
000103-65-1	Benzene, propyl-	4.870	10000	JN
000611-14-3	Benzene, 1-ethyl-2-methyl-	4.960	6800	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	5.350	45000	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	5.660	12000	JN
000496-11-7	1H-Indene, 2,3-dihydro-	5.820	6100	JN
000135-01-3	Benzene, 1,2-diethyl-	5.930	4300	JN
001074-43-7	Benzene, 1-methyl-3-propyl-	5.970	6500	JN
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	6.040	13000	JN
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	6.240	6600	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	6.280	5600	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	6.700	4100	JN
	Benzene, 1-ethyl-2,3-dimethyl- Isomer	6.730	4900	JN
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	7.060	5800	JN

Environmental Laboratories, Inc.
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NY # 11301

QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300815, QC Sample No: BH78545 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)													
Mercury - Soil	BRL	0.34	0.32	6.10	99.2			75.8	55.2	31.5	70 - 130	30	m,r
Comment:													
LCSD not reported.													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 300775, QC Sample No: BH79341 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)													
ICP Metals - Soil													
Aluminum	BRL	8930	7970	11.4	101	110	8.5	NC	NC	NC	75 - 125	30	
Antimony	BRL	<1.8	<3.4	NC	110	114	3.6	90.3	93.6	3.6	75 - 125	30	
Arsenic	BRL	2.9	2.85	NC	99.6	108	8.1	99.3	99.0	0.3	75 - 125	30	
Barium	BRL	55.2	49.6	10.7	111	127	13.4	115	107	7.2	75 - 125	30	l
Beryllium	BRL	0.39	0.36	NC	103	109	5.7	103	101	2.0	75 - 125	30	
Cadmium	BRL	0.30	0.27	NC	90.9	94.9	4.3	97.0	97.3	0.3	75 - 125	30	
Calcium	BRL	19800	19100	3.60	105	108	2.8	NC	NC	NC	75 - 125	30	
Chromium	BRL	19.8	15.2	26.3	107	114	6.3	104	103	1.0	75 - 125	30	
Cobalt	BRL	6.10	5.55	9.40	92.6	97.4	5.1	103	102	1.0	75 - 125	30	
Copper	BRL	23.4	22.0	6.20	98.5	104	5.4	123	117	5.0	75 - 125	30	
Iron	BRL	18400	15300	18.4	95.4	104	8.6	NC	NC	NC	75 - 125	30	
Lead	BRL	44.9	48.9	8.50	95.0	100	5.1	101	99.1	1.9	75 - 125	30	
Magnesium	BRL	3220	2870	11.5	107	114	6.3	NC	NC	NC	75 - 125	30	
Manganese	BRL	355	309	13.9	110	115	4.4	104	>130	NC	75 - 125	30	m
Nickel	BRL	13.1	12.1	7.90	104	107	2.8	99.8	100	0.2	75 - 125	30	
Potassium	BRL	906	858	5.40	98.9	107	7.9	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.4	<1.4	NC	89.1	96.5	8.0	83.5	85.2	2.0	75 - 125	30	
Silver	BRL	<0.36	<0.34	NC	105	111	5.6	108	108	0.0	75 - 125	30	
Sodium	BRL	98	102	4.00	107	115	7.2	130	114	13.1	75 - 125	30	m
Thallium	BRL	<1.4	<3.1	NC	102	111	8.5	103	103	0.0	75 - 125	30	
Vanadium	BRL	27.2	21.8	22.0	117	122	4.2	108	105	2.8	75 - 125	30	
Zinc	BRL	153	172	11.7	92.7	97.9	5.5	105	104	1.0	75 - 125	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

Environmental Laboratories, Inc.
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QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300799, QC Sample No: BH78389 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)												
Total Cyanide (SW9010C Distillation)	BRL	2.93	3.36	13.7	103			101			85 - 115	30

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QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300653, QC Sample No: BH78913 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	96	100	4.1	85	98	14.2	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	96	103	7.0	84	96	13.3	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	92	117	125	6.6	87	100	13.9	30 - 150	30	
% TCMX (Surrogate Rec)	59	99	103	4.0	86	94	8.9	30 - 150	30	
QA/QC Batch 300652, QC Sample No: BH78913 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)										
Semivolatiles - Soil										
1,1-Biphenyl	ND	78	78	0.0	60	60	0.0	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	77	0.0	58	59	1.7	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	100	97	3.0	73	77	5.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	85	87	2.3	65	68	4.5	30 - 130	30	
2,4,6-Trichlorophenol	ND	86	87	1.2	64	66	3.1	30 - 130	30	
2,4-Dichlorophenol	ND	81	83	2.4	61	61	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	78	78	0.0	63	64	1.6	30 - 130	30	
2,4-Dinitrophenol	ND	33	31	6.3	90	70	25.0	30 - 130	30	
2,4-Dinitrotoluene	ND	99	97	2.0	69	70	1.4	30 - 130	30	
2,6-Dinitrotoluene	ND	91	90	1.1	64	65	1.6	30 - 130	30	
2-Chloronaphthalene	ND	80	81	1.2	63	63	0.0	30 - 130	30	
2-Chlorophenol	ND	78	78	0.0	58	59	1.7	30 - 130	30	
2-Methylnaphthalene	ND	76	77	1.3	58	59	1.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	75	75	0.0	60	58	3.4	30 - 130	30	
2-Nitroaniline	ND	144	146	1.4	104	102	1.9	30 - 130	30	l
2-Nitrophenol	ND	86	85	1.2	65	66	1.5	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	77	77	0.0	57	57	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	63	62	1.6	42	44	4.7	30 - 130	30	
3-Nitroaniline	ND	77	74	4.0	56	55	1.8	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	61	59	3.3	114	83	31.5	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	75	74	1.3	54	55	1.8	30 - 130	30	
4-Chloro-3-methylphenol	ND	83	83	0.0	62	65	4.7	30 - 130	30	
4-Chloroaniline	ND	45	46	2.2	27	29	7.1	30 - 130	30	m
4-Chlorophenyl phenyl ether	ND	85	84	1.2	62	62	0.0	30 - 130	30	
4-Nitroaniline	ND	93	92	1.1	70	70	0.0	30 - 130	30	
4-Nitrophenol	ND	136	132	3.0	96	97	1.0	30 - 130	30	l
Acenaphthene	ND	85	85	0.0	64	64	0.0	30 - 130	30	
Acenaphthylene	ND	81	83	2.4	62	63	1.6	30 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acetophenone	ND	81	82	1.2	61	62	1.6	30 - 130	30	
Anthracene	ND	87	89	2.3	68	68	0.0	30 - 130	30	
Atrazine	ND	95	93	2.1	73	70	4.2	30 - 130	30	
Benz(a)anthracene	ND	89	89	0.0	64	64	0.0	30 - 130	30	
Benzaldehyde	ND	133	134	0.7	148	148	0.0	30 - 130	30	l,m
Benzo(a)pyrene	ND	88	87	1.1	62	61	1.6	30 - 130	30	
Benzo(b)fluoranthene	ND	87	87	0.0	59	58	1.7	30 - 130	30	
Benzo(ghi)perylene	ND	80	81	1.2	61	65	6.3	30 - 130	30	
Benzo(k)fluoranthene	ND	88	88	0.0	66	65	1.5	30 - 130	30	
Benzyl butyl phthalate	ND	86	84	2.4	67	69	2.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	81	82	1.2	60	61	1.7	30 - 130	30	
Bis(2-chloroethyl)ether	ND	63	62	1.6	51	53	3.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	71	71	0.0	52	52	0.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	84	84	0.0	64	64	0.0	30 - 130	30	
Caprolactam	ND	86	84	2.4	57	58	1.7	30 - 130	30	
Carbazole	ND	110	112	1.8	85	82	3.6	30 - 130	30	
Chrysene	ND	93	92	1.1	67	65	3.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	79	79	0.0	62	64	3.2	30 - 130	30	
Dibenzofuran	ND	86	86	0.0	64	64	0.0	30 - 130	30	
Diethyl phthalate	ND	95	93	2.1	67	67	0.0	30 - 130	30	
Dimethylphthalate	ND	89	87	2.3	64	64	0.0	30 - 130	30	
Di-n-butylphthalate	ND	91	92	1.1	66	63	4.7	30 - 130	30	
Di-n-octylphthalate	ND	86	86	0.0	57	58	1.7	30 - 130	30	
Fluoranthene	ND	96	96	0.0	71	67	5.8	30 - 130	30	
Fluorene	ND	90	89	1.1	67	68	1.5	30 - 130	30	
Hexachlorobenzene	ND	77	74	4.0	56	56	0.0	30 - 130	30	
Hexachlorobutadiene	ND	77	76	1.3	57	57	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	72	74	2.7	33	21	44.4	30 - 130	30	m,r
Hexachloroethane	ND	67	67	0.0	47	46	2.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	66	67	1.5	51	53	3.8	30 - 130	30	
Isophorone	ND	74	74	0.0	55	56	1.8	30 - 130	30	
Naphthalene	ND	78	78	0.0	59	60	1.7	30 - 130	30	
Nitrobenzene	ND	76	76	0.0	56	57	1.8	30 - 130	30	
N-Nitrosodimethylamine	ND	68	68	0.0	44	43	2.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	76	78	2.6	58	57	1.7	30 - 130	30	
N-Nitrosodiphenylamine	ND	98	94	4.2	69	71	2.9	30 - 130	30	
Pentachlorophenol	ND	86	88	2.3	77	72	6.7	30 - 130	30	
Phenanthrene	ND	87	85	2.3	63	62	1.6	30 - 130	30	
Phenol	ND	77	78	1.3	55	56	1.8	30 - 130	30	
Pyrene	ND	97	96	1.0	70	67	4.4	30 - 130	30	
% 2,4,6-Tribromophenol	57	79	76	3.9	60	61	1.7	30 - 130	30	
% 2-Fluorobiphenyl	49	76	77	1.3	56	56	0.0	30 - 130	30	
% 2-Fluorophenol	44	73	72	1.4	50	50	0.0	30 - 130	30	
% Nitrobenzene-d5	46	71	70	1.4	50	51	2.0	30 - 130	30	
% Phenol-d5	49	76	76	0.0	51	52	1.9	30 - 130	30	
% Terphenyl-d14	58	96	96	0.0	69	66	4.4	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 300959, QC Sample No: BH79121 (BH79483)

Volatiles (TCL) - Soil

1,1,1-Trichloroethane	ND	112	115	2.6	103	105	1.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2,2-Tetrachloroethane	ND	136	138	1.5	115	122	5.9	70 - 130	30	l
1,1,2-Trichloroethane	ND	108	110	1.8	99	101	2.0	70 - 130	30	
1,1-Dichloroethane	ND	115	118	2.6	106	111	4.6	70 - 130	30	
1,1-Dichloroethene	ND	112	118	5.2	85	87	2.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	115	115	0.0	104	110	5.6	70 - 130	30	
1,2,4-Trichlorobenzene	ND	113	110	2.7	105	109	3.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	120	119	0.8	100	108	7.7	70 - 130	30	
1,2-Dibromoethane	ND	112	113	0.9	96	101	5.1	70 - 130	30	
1,2-Dichlorobenzene	ND	115	114	0.9	106	110	3.7	70 - 130	30	
1,2-Dichloroethane	ND	105	107	1.9	95	96	1.0	70 - 130	30	
1,2-Dichloropropane	ND	115	117	1.7	104	109	4.7	70 - 130	30	
1,3-Dichlorobenzene	ND	116	116	0.0	108	113	4.5	70 - 130	30	
1,4-Dichlorobenzene	ND	121	121	0.0	116	119	2.6	70 - 130	30	
1,4-dioxane	ND	118	117	0.9	111	112	0.9	70 - 130	30	
2-Hexanone	ND	110	110	0.0	96	106	9.9	70 - 130	30	
4-Methyl-2-pentanone	ND	108	110	1.8	96	104	8.0	70 - 130	30	
Acetone	ND	95	103	8.1	63	67	6.2	70 - 130	30	m
Benzene	ND	115	117	1.7	105	108	2.8	70 - 130	30	
Bromochloromethane	ND	116	114	1.7	100	103	3.0	70 - 130	30	
Bromodichloromethane	ND	115	117	1.7	96	99	3.1	70 - 130	30	
Bromoform	ND	109	112	2.7	88	91	3.4	70 - 130	30	
Bromomethane	ND	102	104	1.9	66	73	10.1	70 - 130	30	m
Carbon Disulfide	ND	133	136	2.2	86	90	4.5	70 - 130	30	l
Carbon tetrachloride	ND	108	109	0.9	94	101	7.2	70 - 130	30	
Chlorobenzene	ND	116	118	1.7	107	111	3.7	70 - 130	30	
Chloroethane	ND	99	103	4.0	42	43	2.4	70 - 130	30	m
Chloroform	ND	113	114	0.9	92	94	2.2	70 - 130	30	
Chloromethane	ND	111	118	6.1	111	115	3.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	117	119	1.7	106	110	3.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	120	121	0.8	102	106	3.8	70 - 130	30	
Cyclohexane	ND	109	111	1.8	113	116	2.6	70 - 130	30	
Dibromochloromethane	ND	115	116	0.9	91	98	7.4	70 - 130	30	
Dichlorodifluoromethane	ND	112	113	0.9	110	115	4.4	70 - 130	30	
Ethylbenzene	ND	117	120	2.5	108	114	5.4	70 - 130	30	
Isopropylbenzene	ND	119	120	0.8	113	119	5.2	70 - 130	30	
m&p-Xylene	ND	114	118	3.4	108	112	3.6	70 - 130	30	
Methyl ethyl ketone	ND	110	104	5.6	90	93	3.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	110	110	0.0	91	95	4.3	70 - 130	30	
Methylacetate	ND	115	119	3.4	113	115	1.8	70 - 130	30	
Methylcyclohexane	ND	111	113	1.8	107	110	2.8	70 - 130	30	
Methylene chloride	ND	105	108	2.8	92	97	5.3	70 - 130	30	
o-Xylene	ND	117	119	1.7	109	114	4.5	70 - 130	30	
Styrene	ND	117	118	0.9	109	112	2.7	70 - 130	30	
Tetrachloroethene	ND	114	115	0.9	104	110	5.6	70 - 130	30	
Toluene	ND	112	115	2.6	104	108	3.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	122	123	0.8	107	111	3.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	120	120	0.0	99	101	2.0	70 - 130	30	
Trichloroethene	ND	108	111	2.7	99	104	4.9	70 - 130	30	
Trichlorofluoromethane	ND	106	110	3.7	29	30	3.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	114	115	0.9	89	92	3.3	70 - 130	30	
Vinyl chloride	ND	112	115	2.6	117	121	3.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	101	1.0	99	100	1.0	70 - 130	30	
% Bromofluorobenzene	95	100	100	0.0	98	98	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Dibromofluoromethane	99	99	101	2.0	96	97	1.0	70 - 130	30	
% Toluene-d8	96	101	101	0.0	100	100	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 300886, QC Sample No: BH79488 (BH79484 (1X, 25X) , BH79485 (1X, 28X) , BH79486, BH79487 (1X, 29X) , BH79488)

Volatiles (TCL) - Soil

1,1,1-Trichloroethane	ND	113	110	2.7	96	97	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	125	120	4.1	99	99	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	113	111	1.8	96	96	0.0	70 - 130	30	
1,1-Dichloroethane	ND	128	123	4.0	111	114	2.7	70 - 130	30	
1,1-Dichloroethene	ND	116	109	6.2	83	83	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	90	82	9.3	78	78	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	86	80	7.2	79	76	3.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	113	111	1.8	86	85	1.2	70 - 130	30	
1,2-Dibromoethane	ND	119	116	2.6	98	99	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	95	88	7.7	83	82	1.2	70 - 130	30	
1,2-Dichloroethane	ND	110	107	2.8	94	94	0.0	70 - 130	30	
1,2-Dichloropropane	ND	123	118	4.1	106	107	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	94	87	7.7	84	80	4.9	70 - 130	30	
1,4-Dichlorobenzene	ND	90	83	8.1	82	79	3.7	70 - 130	30	
1,4-dioxane	ND	126	105	18.2	80	107	28.9	70 - 130	30	
2-Hexanone	ND	99	98	1.0	82	84	2.4	70 - 130	30	
4-Methyl-2-pentanone	ND	118	118	0.0	92	93	1.1	70 - 130	30	
Acetone	ND	91	96	5.3	50	68	30.5	70 - 130	30	m
Benzene	ND	120	115	4.3	104	103	1.0	70 - 130	30	
Bromochloromethane	ND	114	108	5.4	93	94	1.1	70 - 130	30	
Bromodichloromethane	ND	117	111	5.3	93	94	1.1	70 - 130	30	
Bromoform	ND	87	87	0.0	61	64	4.8	70 - 130	30	m
Bromomethane	ND	93	85	9.0	54	58	7.1	70 - 130	30	m
Carbon Disulfide	ND	132	127	3.9	85	86	1.2	70 - 130	30	l
Carbon tetrachloride	ND	112	107	4.6	90	89	1.1	70 - 130	30	
Chlorobenzene	ND	97	94	3.1	87	87	0.0	70 - 130	30	
Chloroethane	ND	119	111	7.0	25	24	4.1	70 - 130	30	m
Chloroform	ND	114	110	3.6	99	99	0.0	70 - 130	30	
Chloromethane	ND	117	113	3.5	106	107	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	123	127	3.2	105	105	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	127	123	3.2	104	104	0.0	70 - 130	30	
Cyclohexane	ND	113	109	3.6	112	113	0.9	70 - 130	30	
Dibromochloromethane	ND	101	99	2.0	76	79	3.9	70 - 130	30	
Dichlorodifluoromethane	ND	104	101	2.9	89	95	6.5	70 - 130	30	
Ethylbenzene	ND	102	98	4.0	90	89	1.1	70 - 130	30	
Isopropylbenzene	ND	109	101	7.6	93	93	0.0	70 - 130	30	
m&p-Xylene	ND	98	92	6.3	87	87	0.0	70 - 130	30	
Methyl ethyl ketone	ND	106	113	6.4	82	80	2.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	111	103	7.5	82	84	2.4	70 - 130	30	
Methylacetate	ND	130	130	0.0	166	162	2.4	70 - 130	30	m
Methylcyclohexane	ND	108	106	1.9	103	103	0.0	70 - 130	30	
Methylene chloride	ND	109	105	3.7	88	90	2.2	70 - 130	30	
o-Xylene	ND	103	100	3.0	91	91	0.0	70 - 130	30	
Styrene	ND	101	96	5.1	90	90	0.0	70 - 130	30	
Tetrachloroethene	ND	87	83	4.7	79	77	2.6	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Toluene	ND	115	110	4.4	99	100	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	114	109	4.5	94	96	2.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	122	120	1.7	97	96	1.0	70 - 130	30	
Trichloroethene	ND	99	98	1.0	87	88	1.1	70 - 130	30	
Trichlorofluoromethane	ND	104	101	2.9	19	18	5.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	113	110	2.7	86	88	2.3	70 - 130	30	
Vinyl chloride	ND	116	112	3.5	121	123	1.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	94	103	99	4.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	102	111	107	3.7	111	110	0.9	70 - 130	30	
% Dibromofluoromethane	93	94	92	2.2	92	94	2.2	70 - 130	30	
% Toluene-d8	96	109	109	0.0	109	108	0.9	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301096, QC Sample No: BH80067 (BH79489 (50X))

Volatiles (TCL) - Soil

1,1,1-Trichloroethane	ND	106	114	7.3	92			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	117	9.9	89			70 - 130	30	
1,1,2-Trichloroethane	ND	108	117	8.0	97			70 - 130	30	
1,1-Dichloroethane	ND	102	109	6.6	88			70 - 130	30	
1,1-Dichloroethene	ND	108	118	8.8	55			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	107	114	6.3	88			70 - 130	30	
1,2,4-Trichlorobenzene	ND	108	115	6.3	91			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	97	111	13.5	83			70 - 130	30	
1,2-Dibromoethane	ND	108	116	7.1	97			70 - 130	30	
1,2-Dichlorobenzene	ND	107	115	7.2	96			70 - 130	30	
1,2-Dichloroethane	ND	102	111	8.5	89			70 - 130	30	
1,2-Dichloropropane	ND	107	115	7.2	94			70 - 130	30	
1,3-Dichlorobenzene	ND	107	114	6.3	97			70 - 130	30	
1,4-Dichlorobenzene	ND	108	115	6.3	97			70 - 130	30	
1,4-dioxane	ND	106	119	11.6	89			70 - 130	30	
2-Hexanone	ND	93	105	12.1	81			70 - 130	30	
4-Methyl-2-pentanone	ND	100	113	12.2	89			70 - 130	30	
Acetone	ND	94	104	10.1	63			70 - 130	30	m
Benzene	ND	107	114	6.3	95			70 - 130	30	
Bromochloromethane	ND	106	116	9.0	93			70 - 130	30	
Bromodichloromethane	ND	108	117	8.0	90			70 - 130	30	
Bromoform	ND	102	112	9.3	85			70 - 130	30	
Bromomethane	ND	96	107	10.8	60			70 - 130	30	m
Carbon Disulfide	ND	105	113	7.3	51			70 - 130	30	m
Carbon tetrachloride	ND	107	112	4.6	96			70 - 130	30	
Chlorobenzene	ND	108	114	5.4	>200			70 - 130	30	m
Chloroethane	ND	85	89	4.6	23			70 - 130	30	m
Chloroform	ND	101	109	7.6	90			70 - 130	30	
Chloromethane	ND	84	93	10.2	89			70 - 130	30	
cis-1,2-Dichloroethene	ND	102	110	7.5	90			70 - 130	30	
cis-1,3-Dichloropropene	ND	110	117	6.2	92			70 - 130	30	
Cyclohexane	ND	97	105	7.9	93			70 - 130	30	
Dibromochloromethane	ND	108	117	8.0	88			70 - 130	30	
Dichlorodifluoromethane	ND	89	94	5.5	83			70 - 130	30	
Ethylbenzene	ND	108	115	6.3	92			70 - 130	30	
Isopropylbenzene	ND	105	110	4.7	96			70 - 130	30	
m&p-Xylene	ND	109	115	5.4	97			70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl ethyl ketone	ND	94	106	12.0	79			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	106	114	7.3	86			70 - 130	30	
Methylacetate	ND	93	107	14.0	75			70 - 130	30	
Methylcyclohexane	ND	107	113	5.5	95			70 - 130	30	
Methylene chloride	ND	86	92	6.7	72			70 - 130	30	
o-Xylene	ND	108	115	6.3	97			70 - 130	30	
Styrene	ND	107	113	5.5	95			70 - 130	30	
Tetrachloroethene	ND	111	119	7.0	102			70 - 130	30	
Toluene	ND	108	115	6.3	97			70 - 130	30	
trans-1,2-Dichloroethene	ND	112	118	5.2	93			70 - 130	30	
trans-1,3-Dichloropropene	ND	111	119	7.0	92			70 - 130	30	
Trichloroethene	ND	110	117	6.2	100			70 - 130	30	
Trichlorofluoromethane	ND	101	109	7.6	20			70 - 130	30	m
Trichlorotrifluoroethane	ND	110	119	7.9	61			70 - 130	30	m
Vinyl chloride	ND	93	102	9.2	90			70 - 130	30	
% 1,2-dichlorobenzene-d4	98	100	100	0.0	99			70 - 130	30	
% Bromofluorobenzene	92	102	101	1.0	99			70 - 130	30	
% Dibromofluoromethane	100	100	104	3.9	102			70 - 130	30	
% Toluene-d8	99	101	102	1.0	100			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 16, 2015

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79483	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	62	81	50	50	ug/kg
BH79483	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5600	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5600	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6000	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	560	3900	3900	ug/Kg
BH79483	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6000	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	7700	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	7700	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7700	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2500	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	560	800	800	ug/Kg
BH79483	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5800	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	560	500	500	ug/Kg
BH79483	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	560	500	500	ug/Kg
BH79483	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	560	500	500	ug/Kg
BH79483	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	790	560	330	330	ug/Kg
BH79483	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	790	560	330	330	ug/Kg
BH79483	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	790	560	330	330	ug/Kg
BH79483	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	43.1	0.37	30		mg/Kg
BH79483	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	180	3.7	63	63	mg/Kg
BH79483	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	258	3.7	109	109	mg/Kg
BH79484	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	250	81	50	50	ug/kg
BH79484	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Residential	1100	410	1000	1000	ug/Kg
BH79484	$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1100	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	36.5	0.39	30		mg/Kg
BH79484	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	150	3.9	50	50	mg/kg
BH79484	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.34	0.03	0.18	0.18	mg/Kg
BH79484	PB-SM	Lead	NY / 375-6.8 Metals / Residential	419	3.9	400	400	mg/Kg
BH79484	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	419	3.9	400	400	mg/Kg
BH79484	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	419	3.9	63	63	mg/Kg
BH79484	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	342	3.9	109	109	mg/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79485	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	220	81	50	50	ug/kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	25.1	1.0	16	16	mg/Kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	25.1	1.0	16	16	mg/Kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	25.1	1.0	13	13	mg/Kg
BH79485	BA-SM	Barium	NY / 375-6.8 Metals / Residential	1120	0.51	350	350	mg/Kg
BH79485	BA-SM	Barium	NY / 375-6.8 Metals / Residential Restricted	1120	0.51	400	400	mg/Kg
BH79485	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1120	0.51	350	350	mg/Kg
BH79485	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.12	0.51	2.5	2.5	mg/Kg
BH79485	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.12	0.51	2.5	2.5	mg/Kg
BH79485	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	82.0	0.51	30		mg/Kg
BH79485	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	69.0	0.51	50	50	mg/kg
BH79485	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.29	0.04	0.18	0.18	mg/Kg
BH79485	PB-SM	Lead	NY / 375-6.8 Metals / Residential	589	5.1	400	400	mg/Kg
BH79485	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	589	5.1	400	400	mg/Kg
BH79485	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	589	5.1	63	63	mg/Kg
BH79485	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	216	5.1	109	109	mg/Kg
BH79486	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	530	1000	1000	ug/Kg
BH79486	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	60.7	0.36	50	50	mg/kg
BH79487	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	61	81	50	50	ug/kg
BH79487	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2200	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2300	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2900	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	530	800	800	ug/Kg
BH79487	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2000	530	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79487	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	530	1000	1000	ug/Kg
BH79488	$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BH79488	$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BH79488	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	4500	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	4800	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	4800	1300	3900	3900	ug/Kg
BH79488	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4800	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5900	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5900	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5900	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	1300	800	800	ug/Kg
BH79488	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	4000	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	500	500	ug/Kg
BH79488	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	500	500	ug/Kg
BH79488	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	500	500	ug/Kg
BH79488	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	330	330	ug/Kg
BH79488	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	330	330	ug/Kg
BH79488	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BH79488	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	190	76	100	100	ug/Kg
BH79488	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	57.7	0.35	50	50	mg/kg
BH79488	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.03	0.18	0.18	mg/Kg
BH79489	$8260_TCL_SM	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1800	8.1	60	60	ug/kg
BH79489	$8260_TCL_SM	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1200	8.1	1000	1000	ug/kg
BH79489	$8260_TCL_SM	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4500	8.1	260	260	ug/kg
BH79489	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	810	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79489	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	660	500	500	500	ug/Kg
BH79489	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	660	500	500	500	ug/Kg
BH79489	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	660	500	500	500	ug/Kg
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential	ND	17000	9800	9800	ug/kg
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential Restricted	ND	17000	13000	13000	ug/kg
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	17000	100	100	ug/kg
BH79489	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	130	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	5.10	0.58	2	2	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	17.1	1.2	16	16	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	17.1	1.2	16	16	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	17.1	1.2	13	13	mg/Kg
BH79489	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.25	0.58	2.5	2.5	mg/Kg
BH79489	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.25	0.58	2.5	2.5	mg/Kg
BH79489	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	84.7	0.58	30		mg/Kg
BH79489	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	90.9	0.58	50	50	mg/kg
BH79489	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.57	0.05	0.18	0.18	mg/Kg
BH79489	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	35.0	0.58	30	30	mg/Kg
BH79489	PB-SM	Lead	NY / 375-6.8 Metals / Residential	570	5.8	400	400	mg/Kg
BH79489	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	570	5.8	400	400	mg/Kg
BH79489	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	570	5.8	63	63	mg/Kg
BH79489	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	677	5.8	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 16, 2015

SDG I.D.: GBH79483

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to: JT

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RCoffin Date: 3/3/15

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA ☒ Methanol [ ] S. Bisulfate ☒ H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 1500ml [ ] 1000ml	PL H2SO4 [ ] 1250ml [ ] 1500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
79483	TB-3(2-4)	S	3/3/15	11:00								3	2							
79484	TB-4(24-26)		3/3/15	2:00																
79485	TB-4(30-32)		3/3/15	2:00																
79486	TB-9(2-4)		3/2/15	12:00																
79487	TB-9(7-9)		3/2/15	12:00																
79488	TB-10(4-6)		3/2/15	3:00																
79489	TB-10(32-34)		3/3/15	10:00																

Relinquished by:	Accepted by:	Date:	Time:
		3-4-15	11:50
		3/4/15	16:20

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Monday, March 16, 2015

Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH79490

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 16, 2015

SDG I.D.: GBH79490

BH79490 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/03/15	14:00
Location Code:	HESNY-TUCK	Received by:	SW	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79490
Phoenix ID: BH79490

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-4 (0-10)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	1.17	0.34		mg/Kg	03/05/15	LK	SW6010C
Aluminum	9970	51		mg/Kg	03/05/15	LK	SW6010C
Arsenic	9.2	0.7		mg/Kg	03/05/15	LK	SW6010C
Barium	176	0.34		mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.28	0.27		mg/Kg	03/05/15	LK	SW6010C
Calcium	21600	51		mg/Kg	03/05/15	LK	SW6010C
Cadmium	1.70	0.34		mg/Kg	03/05/15	LK	SW6010C
Cobalt	10.9	0.34		mg/Kg	03/05/15	LK	SW6010C
Chromium	39.0	0.34		mg/Kg	03/05/15	LK	SW6010C
Copper	249	3.4		mg/kg	03/05/15	LK	SW6010C
Iron	70700	51		mg/Kg	03/05/15	LK	SW6010C
Mercury	0.27	0.03		mg/Kg	03/05/15	MA	SW7471B
Potassium	1860	5.1		mg/Kg	03/05/15	LK	SW6010C
Magnesium	7280	51		mg/Kg	03/05/15	LK	SW6010C
Manganese	459	3.4		mg/Kg	03/05/15	LK	SW6010C
Sodium	474	5.1		mg/Kg	03/05/15	LK	SW6010C
Nickel	38.2	0.34		mg/Kg	03/05/15	LK	SW6010C
Lead	378	3.4		mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.4	3.4		mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.4	1.4		mg/Kg	03/05/15	LK	SW6010C
TCLP Silver	< 0.10	0.10		mg/L	03/05/15	EK	SW6010C
TCLP Arsenic	< 0.10	0.10		mg/L	03/05/15	EK	SW6010C
TCLP Barium	1.64	0.10		mg/L	03/05/15	EK	SW6010C
TCLP Cadmium	< 0.050	0.050		mg/L	03/05/15	EK	SW6010C
TCLP Chromium	< 0.10	0.10		mg/L	03/05/15	EK	SW6010C
TCLP Copper	0.17	0.10		mg/L	03/05/15	EK	SW6010C
TCLP Mercury	< 0.0002	0.0002		mg/L	03/05/15	MA	SW7470A
TCLP Nickel	< 0.10	0.10		mg/L	03/05/15	EK	SW6010C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-4 (0-10)

Phoenix I.D.: BH79490

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
TCLP Lead	5.21	0.10		mg/L	03/05/15	EK	SW6010C	
TCLP Selenium	< 0.10	0.10		mg/L	03/05/15	EK	SW6010C	
TCLP Zinc	3.73	0.10		mg/L	03/05/15	EK	SW6010C	
Thallium	< 3.1	3.1		mg/Kg	03/05/15	LK	SW6010C	
TCLP Metals Digestion	Completed				03/05/15	I/I	SW3005A	
Vanadium	41.5	0.34		mg/Kg	03/05/15	LK	SW6010C	
Zinc	407	3.4		mg/Kg	03/05/15	LK	SW6010C	
Percent Solid	86			%	03/04/15	I	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	03/04/15	DH/KDB	SW846-Corr	1
Flash Point	>200	200		Degree F	03/05/15	I	SW1010A	
Chromium, Hexavalent	< 0.47	0.47		mg/Kg	03/05/15 10:14	KDB	SW7196A	
Ignitability	Passed	140		degree F	03/05/15	I	SW846-Ignit	1
pH - Soil	8.17	0.10		pH Units	03/04/15 20:00	DH/KDB	SW9045	1
Reactivity Cyanide	< 5.8	5.8		mg/Kg	03/05/15	O/B/E	SW846-React	1
Reactivity Sulfide	< 20	20		mg/Kg	03/09/15	EG	SW-7.3	1
Reactivity	Negative			Pos/Neg	03/09/15	EG	SW846-React	1
Redox Potential	200	1.0		mV	03/04/15	DH/KDB	SM2580B-09	1
Total Cyanide	< 0.58	0.58		mg/Kg	03/04/15	O/B/E	SW9012B	
Soil Extraction for PCB	Completed				03/04/15	CC	SW3545A	
Soil Extraction for Pesticide	Completed				03/04/15	CC/H	SW3545A	
Soil Extraction for SVOA	Completed				03/05/15	BJ/VH	SW3545A	
Mercury Digestion	Completed				03/05/15	I/I	SW7471B	
Ext. of Petroleum Hydrocarbons	Completed				03/04/15	BC/V	SW3545A	
TCLP Digestion Mercury	Completed				03/05/15	I/I	SW7470A	
TCLP Herbicides Extraction	Completed				03/06/15	W/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				03/04/15	I	SW1311	
TCLP Extraction for Organics	Completed				03/04/15	I	SW1311	
TCLP Pesticides Extraction	Completed				03/05/15	L	SW3510C	
TCLP Semi-Volatile Extraction	Completed				03/05/15	L	SW3510C	
Total Metals Digest	Completed				03/04/15	CB/AG	SW3050B	
Polychlorinated Biphenyls								
PCB-1016	ND	76		ug/Kg	03/06/15	AW	SW8082A	
PCB-1221	ND	76		ug/Kg	03/06/15	AW	SW8082A	
PCB-1232	ND	76		ug/Kg	03/06/15	AW	SW8082A	
PCB-1242	ND	76		ug/Kg	03/06/15	AW	SW8082A	
PCB-1248	ND	76		ug/Kg	03/06/15	AW	SW8082A	
PCB-1254	ND	76		ug/Kg	03/06/15	AW	SW8082A	
PCB-1260	ND	76		ug/Kg	03/06/15	AW	SW8082A	
PCB-1262	ND	76		ug/Kg	03/06/15	AW	SW8082A	
PCB-1268	ND	76		ug/Kg	03/06/15	AW	SW8082A	
QA/QC Surrogates								
% DCBP	50			%	03/06/15	AW	30 - 150 %	
% TCMX	38			%	03/06/15	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	11	11	ug/Kg	03/06/15	PS	SW8081B	
4,4' -DDE	ND	11	11	ug/Kg	03/06/15	PS	SW8081B	
4,4' -DDT	ND	11	11	ug/Kg	03/06/15	PS	SW8081B	
a-BHC	ND	19	19	ug/Kg	03/06/15	PS	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-4 (0-10)

Phoenix I.D.: BH79490

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
a-Chlordane	ND	19	19	ug/Kg	03/06/15	PS	SW8081B	
Aldrin	ND	5.0	5.0	ug/Kg	03/06/15	PS	SW8081B	
b-BHC	ND	19	19	ug/Kg	03/06/15	PS	SW8081B	
Chlordane	ND	190	190	ug/Kg	03/06/15	PS	SW8081B	
d-BHC	ND	38	38	ug/Kg	03/06/15	PS	SW8081B	
Dieldrin	ND	5.0	5.0	ug/Kg	03/06/15	PS	SW8081B	
Endosulfan I	ND	38	38	ug/Kg	03/06/15	PS	SW8081B	
Endosulfan II	ND	38	38	ug/Kg	03/06/15	PS	SW8081B	
Endosulfan sulfate	ND	38	38	ug/Kg	03/06/15	PS	SW8081B	
Endrin	ND	14	14	ug/Kg	03/06/15	PS	SW8081B	
Endrin aldehyde	ND	38	38	ug/Kg	03/06/15	PS	SW8081B	
Endrin ketone	ND	38	38	ug/Kg	03/06/15	PS	SW8081B	
g-BHC	ND	7.6	7.6	ug/Kg	03/06/15	PS	SW8081B	
g-Chlordane	22	19	19	ug/Kg	03/06/15	PS	SW8081B	
Heptachlor	ND	38	38	ug/Kg	03/06/15	PS	SW8081B	
Heptachlor epoxide	ND	38	38	ug/Kg	03/06/15	PS	SW8081B	
Methoxychlor	ND	190	190	ug/Kg	03/06/15	PS	SW8081B	
Toxaphene	ND	600	600	ug/Kg	03/06/15	PS	SW8081B	
QA/QC Surrogates								
% DCBP	182			%	03/06/15	PS	30 - 150 %	3
% TCMX	80			%	03/06/15	PS	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	4.2		ug/L	03/09/15	JRB	SW8151A	
2,4-D	ND	4.2		ug/L	03/09/15	JRB	SW8151A	
QA/QC Surrogates								
% DCAA	42			%	03/09/15	JRB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0		ug/L	03/06/15	CE	SW8081B	
4,4' -DDE	ND	1.0		ug/L	03/06/15	CE	SW8081B	
4,4' -DDT	ND	1.0		ug/L	03/06/15	CE	SW8081B	
a-BHC	ND	0.50		ug/L	03/06/15	CE	SW8081B	
Alachlor	ND	0.50		ug/L	03/06/15	CE	SW8081B	1
Aldrin	ND	0.50		ug/L	03/06/15	CE	SW8081B	
b-BHC	ND	0.50		ug/L	03/06/15	CE	SW8081B	
Chlordane	ND	5.0		ug/L	03/06/15	CE	SW8081B	
d-BHC	ND	0.50		ug/L	03/06/15	CE	SW8081B	
Dieldrin	ND	1.0		ug/L	03/06/15	CE	SW8081B	
Endosulfan I	ND	0.50		ug/L	03/06/15	CE	SW8081B	
Endosulfan II	ND	1.0		ug/L	03/06/15	CE	SW8081B	
Endosulfan Sulfate	ND	1.0		ug/L	03/06/15	CE	SW8081B	
Endrin	ND	1.0		ug/L	03/06/15	CE	SW8081B	
Endrin Aldehyde	ND	1.0		ug/L	03/06/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.50		ug/L	03/06/15	CE	SW8081B	
Heptachlor	ND	0.50		ug/L	03/06/15	CE	SW8081B	
Heptachlor epoxide	ND	0.50		ug/L	03/06/15	CE	SW8081B	
Methoxychlor	ND	0.50		ug/L	03/06/15	CE	SW8081B	
Toxaphene	ND	20		ug/L	03/06/15	CE	SW8081B	
QA/QC Surrogates								

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
%DCBP (Surrogate Rec)	60			%	03/06/15	CE	30 - 150 %	
%TCMX (Surrogate Rec)	68			%	03/06/15	CE	30 - 150 %	
Extractable TPH C9-C44								
TPH to C44	1300	380		mg/Kg	03/06/15	JRB	SW8015D MOD	
QA/QC Surrogates								
% Chlorobenzene (surrogate)	56			%	03/06/15	JRB	60 - 120 %	3
% Pentacosane (surrogate)	71			%	03/06/15	JRB	50 - 150 %	
Gasoline Range Organics (C6-C10)	ND	21		mg/Kg	03/07/15	JRB	SW8015D GRO	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
1,1-Dichloroethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
1,1-Dichloroethene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	290		ug/kg	03/05/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	290		ug/kg	03/05/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	80		ug/kg	03/05/15	JLI	SW8260C	
1,2-Dibromoethane	ND	7.0		ug/kg	03/05/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND	290		ug/kg	03/05/15	JLI	SW8260C	
1,2-Dichloroethane	11	8.3		ug/kg	03/05/15	JLI	SW8260C	
1,2-Dichloropropane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND	290		ug/kg	03/05/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND	290		ug/kg	03/05/15	JLI	SW8260C	
2-Hexanone	ND	42		ug/kg	03/05/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND	42		ug/kg	03/05/15	JLI	SW8260C	
Acetone	100	83		ug/kg	03/05/15	JLI	SW8260C	
Benzene	49	8.3		ug/kg	03/05/15	JLI	SW8260C	
Bromochloromethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Bromodichloromethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Bromoform	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Bromomethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Carbon Disulfide	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Carbon tetrachloride	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Chlorobenzene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Chloroethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Chloroform	13	8.3		ug/kg	03/05/15	JLI	SW8260C	
Chloromethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
cis-1,2-Dichloroethene	14	8.3		ug/kg	03/05/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Cyclohexane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Dibromochloromethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Dichlorodifluoromethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Ethylbenzene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Isopropylbenzene	ND	290		ug/kg	03/05/15	JLI	SW8260C	
m&p-Xylene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Methyl ethyl ketone	ND	50		ug/kg	03/05/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	17		ug/kg	03/05/15	JLI	SW8260C	
Methylacetate	ND	6.7		ug/kg	03/05/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-4 (0-10)

Phoenix I.D.: BH79490

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Methylcyclohexane	9.9	8.3		ug/kg	03/05/15	JLI	SW8260C	
Methylene chloride	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
o-Xylene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Styrene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Tetrachloroethene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Toluene	12	8.3		ug/kg	03/05/15	JLI	SW8260C	
Total Xylenes	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Trichloroethene	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Trichlorofluoromethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
Vinyl chloride	ND	8.3		ug/kg	03/05/15	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	03/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	104			%	03/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	105			%	03/05/15	JLI	70 - 130 %	
% Toluene-d8	89			%	03/05/15	JLI	70 - 130 %	
Volatile Library Search Top 10	Completed				03/05/15	JLI		
Semivolatiles								
1,1-Biphenyl	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2,4-Dichlorophenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2,4-Dimethylphenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2,4-Dinitrophenol	ND	2500		ug/Kg	03/06/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	700		ug/Kg	03/06/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	700		ug/Kg	03/06/15	DD	SW8270D	
2-Chloronaphthalene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2-Chlorophenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2-Methylnaphthalene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
2-Nitroaniline	ND	2500		ug/Kg	03/06/15	DD	SW8270D	
2-Nitrophenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	1600		ug/Kg	03/06/15	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	1000		ug/Kg	03/06/15	DD	SW8270D	
3-Nitroaniline	ND	2500		ug/Kg	03/06/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	4500		ug/Kg	03/06/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	1600		ug/Kg	03/06/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
4-Chloroaniline	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
4-Nitroaniline	ND	2500		ug/Kg	03/06/15	DD	SW8270D	
4-Nitrophenol	ND	4500		ug/Kg	03/06/15	DD	SW8270D	
Acenaphthene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Acenaphthylene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Acetophenone	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Anthracene	4600	1100		ug/Kg	03/06/15	DD	SW8270D	
Atrazine	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Benz(a)anthracene	8000	1100		ug/Kg	03/06/15	DD	SW8270D	
Benzaldehyde	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Benzo(a)pyrene	6500	1100		ug/Kg	03/06/15	DD	SW8270D	
Benzo(b)fluoranthene	8400	1100		ug/Kg	03/06/15	DD	SW8270D	
Benzo(ghi)perylene	1800	1100		ug/Kg	03/06/15	DD	SW8270D	
Benzo(k)fluoranthene	3300	1100		ug/Kg	03/06/15	DD	SW8270D	
Benzyl butyl phthalate	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	1600		ug/Kg	03/06/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	1100		ug/Kg	03/06/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Caprolactam	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Carbazole	ND	4500		ug/Kg	03/06/15	DD	SW8270D	
Chrysene	7600	1100		ug/Kg	03/06/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Dibenzofuran	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Diethyl phthalate	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Dimethylphthalate	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Di-n-butylphthalate	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Di-n-octylphthalate	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Fluoranthene	11000	1100		ug/Kg	03/06/15	DD	SW8270D	
Fluorene	1600	1100		ug/Kg	03/06/15	DD	SW8270D	
Hexachlorobenzene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Hexachlorobutadiene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Hexachloroethane	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	2000	1100		ug/Kg	03/06/15	DD	SW8270D	
Isophorone	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Naphthalene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Nitrobenzene	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	700		ug/Kg	03/06/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	1600		ug/Kg	03/06/15	DD	SW8270D	
Pentachlorophenol	ND	800		ug/Kg	03/06/15	DD	SW8270D	
Phenanthrene	11000	1100		ug/Kg	03/06/15	DD	SW8270D	
Phenol	ND	1100		ug/Kg	03/06/15	DD	SW8270D	
Pyrene	8300	1100		ug/Kg	03/06/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	03/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	65			%	03/06/15	DD	30 - 130 %	
% 2-Fluorophenol	65			%	03/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	68			%	03/06/15	DD	30 - 130 %	
% Phenol-d5	68			%	03/06/15	DD	30 - 130 %	
% Terphenyl-d14	52			%	03/06/15	DD	30 - 130 %	

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND	83		ug/L	03/06/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-4 (0-10)

Phoenix I.D.: BH79490

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	83		ug/L	03/06/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	83		ug/L	03/06/15	DD	SW8270D
2,4-Dinitrotoluene	ND	83		ug/L	03/06/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	83		ug/L	03/06/15	DD	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83		ug/L	03/06/15	DD	SW8270D
Hexachlorobenzene	ND	83		ug/L	03/06/15	DD	SW8270D
Hexachlorobutadiene	ND	83		ug/L	03/06/15	DD	SW8270D
Hexachloroethane	ND	83		ug/L	03/06/15	DD	SW8270D
Nitrobenzene	ND	83		ug/L	03/06/15	DD	SW8270D
Pentachlorophenol	ND	83		ug/L	03/06/15	DD	SW8270D
Pyridine	ND	83		ug/L	03/06/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	95			%	03/06/15	DD	15 - 110 %
% 2-Fluorobiphenyl	74			%	03/06/15	DD	30 - 130 %
% 2-Fluorophenol	59			%	03/06/15	DD	15 - 110 %
% Nitrobenzene-d5	88			%	03/06/15	DD	30 - 130 %
% Phenol-d5	46			%	03/06/15	DD	15 - 110 %
% Terphenyl-d14	84			%	03/06/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed				03/09/15	DD	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Corrosivity is based solely on the pH analysis performed above.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (0-10)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79490

Matrix:(soil/water): SOIL Lab Sample ID: BH79490

Sample wt/vol: 3.5 (g/mL) g Lab File ID: 0304M52.D

Level: (low/med): ENL Date Received: 03/04/15

% Moisture: not dec. 14 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000594-82-1	Butane, 2,2,3,3-tetramethyl-	3.239	57	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.997	52	JN
000560-21-4	Pentane, 2,3,3-trimethyl-	4.091	65	JN
	unknown	7.308	73	JN
	unknown	7.543	97	JN
	unknown	7.773	140	JN
	unknown	8.527	60	JN
	unknown	8.893	58	JN

FORM I VOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (0-10)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79490

Matrix:(soil/water) SOIL Lab Sample ID: BH79490

Sample wt/vol: 7.4299998 (g/mL) g Lab File ID: 0306_19.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 14 decanted:(Y/N) NA Date Extracted: 03/06/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/6/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.310	3400	JNA
000832-64-4	Phenanthrene, 4-methyl-	13.170	1600	JN
	Unknown	13.290	2500	JN
	Unknown	13.640	1500	JN
000243-17-4	11H-Benzo[b]fluorene	15.170	1400	JN
000238-84-6	11H-Benzo[a]fluorene	15.280	1300	JN
000192-97-2	Benzo[e]pyrene	19.190	3400	JN

FORM I SEMIVOA-TIC

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79490

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300815, QC Sample No: BH78545 (BH79490)													
Mercury - Soil	BRL	0.34	0.32	6.10	99.2			75.8	55.2	31.5	70 - 130	30	m,r
Comment:													
LCSD not reported.													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 300691, QC Sample No: BH78583 (BH79490)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.10	<0.10	NC	101	105	3.9	99.1	99.1	0.0	75 - 125	20	
Barium	BRL	<0.10	<0.10	NC	98.5	98.1	0.4	101	100	1.0	75 - 125	20	
Cadmium	BRL	<0.050	<0.050	NC	96.2	97.4	1.2	96.0	95.8	0.2	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	97.3	99.9	2.6	99.0	98.9	0.1	75 - 125	20	
Copper	BRL	<0.10	<0.10	NC	108	109	0.9	106	104	1.9	75 - 125	20	
Lead	BRL	<0.10	<0.10	NC	95.6	100	4.5	99.3	98.9	0.4	75 - 125	20	
Nickel	BRL	<0.10	<0.10	NC	97.5	98.8	1.3	98.9	98.6	0.3	75 - 125	20	
Selenium	BRL	<0.10	<0.10	NC	97.6	105	7.3	99.5	98.6	0.9	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	99.5	104	4.4	100	100	0.0	75 - 125	20	
Zinc	BRL	<0.10	<0.10	NC	97.3	98.4	1.1	97.9	97.6	0.3	75 - 125	20	
QA/QC Batch 300670, QC Sample No: BH79033 (BH79490)													
ICP Metals - Soil													
Aluminum	BRL	1060	1130	6.40	95.3	99.2	4.0	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.7	<4.2	NC	96.6	106	9.3	87.2	85.8	1.6	75 - 125	30	
Arsenic	BRL	12.6	13.0	3.10	98.9	99.6	0.7	88.0	88.0	0.0	75 - 125	30	
Barium	BRL	74.3	74.3	0	110	119	7.9	98.2	90.5	8.2	75 - 125	30	
Beryllium	BRL	<0.30	<0.33	NC	103	106	2.9	95.4	94.3	1.2	75 - 125	30	
Cadmium	BRL	<0.37	<0.42	NC	89.8	92.3	2.7	90.5	89.7	0.9	75 - 125	30	
Calcium	BRL	1610	1620	0.60	101	102	1.0	NC	NC	NC	75 - 125	30	
Chromium	BRL	5.42	5.05	7.10	104	108	3.8	95.9	95.3	0.6	75 - 125	30	
Cobalt	BRL	3.30	2.81	16.0	93.8	96.4	2.7	98.4	97.2	1.2	75 - 125	30	
Copper	BRL	19.5	20.0	2.50	99.8	103	3.2	103	103	0.0	75 - 125	30	
Iron	BRL	8310	8540	2.70	84.7	90.3	6.4	NC	NC	NC	75 - 125	30	
Lead	BRL	11.5	13.8	18.2	94.2	98.1	4.1	93.2	91.6	1.7	75 - 125	30	
Magnesium	BRL	277	259	6.70	101	105	3.9	>130	101	NC	75 - 125	30	m
Manganese	BRL	19.7	16.9	15.3	107	110	2.8	99.4	92.4	7.3	75 - 125	30	
Nickel	BRL	7.88	7.63	3.20	104	107	2.8	95.4	94.0	1.5	75 - 125	30	
Potassium	BRL	369	379	2.70	103	107	3.8	111	109	1.8	75 - 125	30	
Selenium	BRL	<1.5	<1.7	NC	91.2	91.9	0.8	75.7	75.0	0.9	75 - 125	30	
Silver	BRL	<0.37	<0.42	NC	102	104	1.9	92.7	91.7	1.1	75 - 125	30	
Sodium	BRL	178	182	2.20	118	119	0.8	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<3.3	<3.7	NC	102	104	1.9	86.6	86.7	0.1	75 - 125	30	
Vanadium	BRL	13.7	12.2	11.6	116	119	2.6	96.8	96.7	0.1	75 - 125	30	
Zinc	BRL	2.96	3.60	19.5	90.1	93.3	3.5	89.9	88.0	2.1	75 - 125	30	

QA/QC Data

SDG I.D.: GBH79490

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300842, QC Sample No: BH79033 (BH79490)													
Chromium, Hexavalent (SW3060 digestion) - Solid													
Hexavalent Cr	BRL	<0.52	<0.52	NC	98.3						70 - 130	30	
Insoluble Cr					92.2			81.8			70 - 130	30	
Soluble Cr					96.2			37.3			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries.													
QA/QC Batch 300818, QC Sample No: BH79579 (BH79490)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	106	98.0	7.8	106	99.2	6.6	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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NY # 11301

QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79490

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300799, QC Sample No: BH78389 (BH79490)												
Total Cyanide (SW9010C Distillation)	BRL	2.93	3.36	13.7	103			101			85 - 115	30
QA/QC Batch 300817, QC Sample No: BH79277 (BH79490)												
pH - Soil		10.93	10.89	0.40	99.0						85 - 115	20
QA/QC Batch 300809, QC Sample No: BH79277 (BH79490)												
Reactivity Cyanide	BRL	<5.6	<5.6	NC	94.6						85 - 115	30
QA/QC Batch 300814, QC Sample No: BH79363 (BH79490)												
Flash Point		>200	>200	NC	101						85 - 115	30

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QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79490

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300248, QC Sample No: BH73653 (BH79490)										
TPH by GC - Solid										
Total Petroleum Hydrocarbon	ND	66	78	16.7	48	45	6.5	60 - 120	30	m
% Chlorobenzene (surrogate)	41	43	48	11.0	47	49	4.2	60 - 120	30	l,m
% Pentacosane (surrogate)	47	52	63	19.1	117	94	21.8	50 - 150	30	
QA/QC Batch 300646, QC Sample No: BH78545 (BH79490)										
Pesticides - Solid										
4,4' -DDD	ND	66	64	3.1				40 - 140	30	
4,4' -DDE	ND	62	61	1.6				40 - 140	30	
4,4' -DDT	ND	62	60	3.3				40 - 140	30	
a-BHC	ND	60	59	1.7				40 - 140	30	
a-Chlordane	ND	58	59	1.7				40 - 140	30	
Aldrin	ND	59	58	1.7				40 - 140	30	
b-BHC	ND	64	62	3.2				40 - 140	30	
Chlordane	ND	59	59	0.0				40 - 140	30	
d-BHC	ND	49	46	6.3				40 - 140	30	
Dieldrin	ND	65	63	3.1				40 - 140	30	
Endosulfan I	ND	58	57	1.7				40 - 140	30	
Endosulfan II	ND	55	45	20.0				40 - 140	30	
Endosulfan sulfate	ND	40	35	13.3				40 - 140	30	l
Endrin	ND	62	60	3.3				40 - 140	30	
Endrin aldehyde	ND	46	34	30.0				40 - 140	30	l
Endrin ketone	ND	51	46	10.3				40 - 140	30	
g-BHC	ND	62	61	1.6				40 - 140	30	
g-Chlordane	ND	59	59	0.0				40 - 140	30	
Heptachlor	ND	60	59	1.7				40 - 140	30	
Heptachlor epoxide	ND	61	59	3.3				40 - 140	30	
Methoxychlor	ND	60	56	6.9				40 - 140	30	
Toxaphene	ND	NA	NA	NC				40 - 140	30	
% DCBP	86	90	86	4.5				30 - 150	30	
% TCMX	82	86	85	1.2				30 - 150	30	
Comment:										
This QC batch consists of a blank, LCS and LCSD.										
QA/QC Batch 300653, QC Sample No: BH78913 (BH79490)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	96	100	4.1	85	98	14.2	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	96	103	7.0	84	96	13.3	40 - 140	30	

QA/QC Data

SDG I.D.: GBH79490

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	92	117	125	6.6	87	100	13.9	30 - 150	30	
% TCMX (Surrogate Rec)	59	99	103	4.0	86	94	8.9	30 - 150	30	
QA/QC Batch 300652, QC Sample No: BH78913 (BH79490)										
Semivolatiles - Solid										
1,1-Biphenyl	ND	78	78	0.0	60	60	0.0	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	77	0.0	58	59	1.7	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	100	97	3.0	73	77	5.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	85	87	2.3	65	68	4.5	30 - 130	30	
2,4,6-Trichlorophenol	ND	86	87	1.2	64	66	3.1	30 - 130	30	
2,4-Dichlorophenol	ND	81	83	2.4	61	61	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	78	78	0.0	63	64	1.6	30 - 130	30	
2,4-Dinitrophenol	ND	33	31	6.3	90	70	25.0	30 - 130	30	
2,4-Dinitrotoluene	ND	99	97	2.0	69	70	1.4	30 - 130	30	
2,6-Dinitrotoluene	ND	91	90	1.1	64	65	1.6	30 - 130	30	
2-Chloronaphthalene	ND	80	81	1.2	63	63	0.0	30 - 130	30	
2-Chlorophenol	ND	78	78	0.0	58	59	1.7	30 - 130	30	
2-Methylnaphthalene	ND	76	77	1.3	58	59	1.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	75	75	0.0	60	58	3.4	30 - 130	30	
2-Nitroaniline	ND	144	146	1.4	104	102	1.9	30 - 130	30	l
2-Nitrophenol	ND	86	85	1.2	65	66	1.5	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	77	77	0.0	57	57	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	63	62	1.6	42	44	4.7	30 - 130	30	
3-Nitroaniline	ND	77	74	4.0	56	55	1.8	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	61	59	3.3	114	83	31.5	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	75	74	1.3	54	55	1.8	30 - 130	30	
4-Chloro-3-methylphenol	ND	83	83	0.0	62	65	4.7	30 - 130	30	
4-Chloroaniline	ND	45	46	2.2	27	29	7.1	30 - 130	30	m
4-Chlorophenyl phenyl ether	ND	85	84	1.2	62	62	0.0	30 - 130	30	
4-Nitroaniline	ND	93	92	1.1	70	70	0.0	30 - 130	30	
4-Nitrophenol	ND	136	132	3.0	96	97	1.0	30 - 130	30	l
Acenaphthene	ND	85	85	0.0	64	64	0.0	30 - 130	30	
Acenaphthylene	ND	81	83	2.4	62	63	1.6	30 - 130	30	
Acetophenone	ND	81	82	1.2	61	62	1.6	30 - 130	30	
Anthracene	ND	87	89	2.3	68	68	0.0	30 - 130	30	
Atrazine	ND	95	93	2.1	73	70	4.2	30 - 130	30	
Benz(a)anthracene	ND	89	89	0.0	64	64	0.0	30 - 130	30	
Benzaldehyde	ND	133	134	0.7	148	148	0.0	30 - 130	30	l,m
Benzo(a)pyrene	ND	88	87	1.1	62	61	1.6	30 - 130	30	
Benzo(b)fluoranthene	ND	87	87	0.0	59	58	1.7	30 - 130	30	
Benzo(ghi)perylene	ND	80	81	1.2	61	65	6.3	30 - 130	30	
Benzo(k)fluoranthene	ND	88	88	0.0	66	65	1.5	30 - 130	30	
Benzyl butyl phthalate	ND	86	84	2.4	67	69	2.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	81	82	1.2	60	61	1.7	30 - 130	30	
Bis(2-chloroethyl)ether	ND	63	62	1.6	51	53	3.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	71	71	0.0	52	52	0.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	84	84	0.0	64	64	0.0	30 - 130	30	
Caprolactam	ND	86	84	2.4	57	58	1.7	30 - 130	30	
Carbazole	ND	110	112	1.8	85	82	3.6	30 - 130	30	
Chrysene	ND	93	92	1.1	67	65	3.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	79	79	0.0	62	64	3.2	30 - 130	30	

QA/QC Data

SDG I.D.: GBH79490

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibenzofuran	ND	86	86	0.0	64	64	0.0	30 - 130	30	
Diethyl phthalate	ND	95	93	2.1	67	67	0.0	30 - 130	30	
Dimethylphthalate	ND	89	87	2.3	64	64	0.0	30 - 130	30	
Di-n-butylphthalate	ND	91	92	1.1	66	63	4.7	30 - 130	30	
Di-n-octylphthalate	ND	86	86	0.0	57	58	1.7	30 - 130	30	
Fluoranthene	ND	96	96	0.0	71	67	5.8	30 - 130	30	
Fluorene	ND	90	89	1.1	67	68	1.5	30 - 130	30	
Hexachlorobenzene	ND	77	74	4.0	56	56	0.0	30 - 130	30	
Hexachlorobutadiene	ND	77	76	1.3	57	57	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	72	74	2.7	33	21	44.4	30 - 130	30	m,r
Hexachloroethane	ND	67	67	0.0	47	46	2.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	66	67	1.5	51	53	3.8	30 - 130	30	
Isophorone	ND	74	74	0.0	55	56	1.8	30 - 130	30	
Naphthalene	ND	78	78	0.0	59	60	1.7	30 - 130	30	
Nitrobenzene	ND	76	76	0.0	56	57	1.8	30 - 130	30	
N-Nitrosodimethylamine	ND	68	68	0.0	44	43	2.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	76	78	2.6	58	57	1.7	30 - 130	30	
N-Nitrosodiphenylamine	ND	98	94	4.2	69	71	2.9	30 - 130	30	
Pentachlorophenol	ND	86	88	2.3	77	72	6.7	30 - 130	30	
Phenanthrene	ND	87	85	2.3	63	62	1.6	30 - 130	30	
Phenol	ND	77	78	1.3	55	56	1.8	30 - 130	30	
Pyrene	ND	97	96	1.0	70	67	4.4	30 - 130	30	
% 2,4,6-Tribromophenol	57	79	76	3.9	60	61	1.7	30 - 130	30	
% 2-Fluorobiphenyl	49	76	77	1.3	56	56	0.0	30 - 130	30	
% 2-Fluorophenol	44	73	72	1.4	50	50	0.0	30 - 130	30	
% Nitrobenzene-d5	46	71	70	1.4	50	51	2.0	30 - 130	30	
% Phenol-d5	49	76	76	0.0	51	52	1.9	30 - 130	30	
% Terphenyl-d14	58	96	96	0.0	69	66	4.4	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 300991, QC Sample No: BH79102 (BH79490)

Chlorinated Herbicides

2,4,5-TP (Silvex)	ND	80	77	3.8				40 - 140	20	
2,4-D	ND	107	95	11.9				40 - 140	20	
% DCAA (Surrogate Rec)	34	63	63	0.0				30 - 150	20	

QA/QC Batch 300927, QC Sample No: BH79102 (BH79490)

Pesticides

4,4' -DDD	ND	82	101	20.8				40 - 140	20	r
4,4' -DDE	ND	68	83	19.9				40 - 140	20	
4,4' -DDT	ND	72	88	20.0				40 - 140	20	
a-BHC	ND	76	89	15.8				40 - 140	20	
a-Chlordane	ND	71	86	19.1				40 - 140	20	
Alachlor	ND	NA	NA	NC				40 - 140	20	
Aldrin	ND	65	76	15.6				40 - 140	20	
b-BHC	ND	78	93	17.5				40 - 140	20	
Chlordane	ND	70	84	18.2				40 - 140	20	
d-BHC	ND	64	78	19.7				40 - 140	20	
Dieldrin	ND	68	82	18.7				40 - 140	20	
Endosulfan I	ND	73	88	18.6				40 - 140	20	
Endosulfan II	ND	73	88	18.6				40 - 140	20	
Endosulfan sulfate	ND	71	83	15.6				40 - 140	20	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endrin	ND	70	86	20.5				40 - 140	20
Endrin aldehyde	ND	91	107	16.2				40 - 140	20
g-BHC	ND	82	95	14.7				40 - 140	20
g-Chlordane	ND	70	84	18.2				40 - 140	20
Heptachlor	ND	69	81	16.0				40 - 140	20
Heptachlor epoxide	ND	68	82	18.7				40 - 140	20
Methoxychlor	ND	75	92	20.4				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	55	49	64	26.5				40 - 150	20
% TCMX	80	73	82	11.6				40 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

QA/QC Batch 300926, QC Sample No: BH79102 (BH79490)

Semivolatiles

1,4-Dichlorobenzene	ND	65	65	0.0				30 - 130	20
2,4,5-Trichlorophenol	ND	97	102	5.0				30 - 130	20
2,4,6-Trichlorophenol	ND	100	101	1.0				30 - 130	20
2,4-Dinitrotoluene	ND	97	98	1.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	80	83	3.7				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	76	82	7.6				30 - 130	20
Hexachlorobenzene	ND	93	89	4.4				30 - 130	20
Hexachlorobutadiene	ND	69	70	1.4				30 - 130	20
Hexachloroethane	ND	61	62	1.6				30 - 130	20
Nitrobenzene	ND	87	90	3.4				30 - 130	20
Pentachlorophenol	ND	102	101	1.0				30 - 130	20
Pyridine	ND	40	39	2.5				30 - 130	20
% 2,4,6-Tribromophenol	93	86	88	2.3				15 - 110	20
% 2-Fluorobiphenyl	73	79	79	0.0				30 - 130	20
% 2-Fluorophenol	59	64	64	0.0				15 - 110	20
% Nitrobenzene-d5	79	78	82	5.0				30 - 130	20
% Phenol-d5	51	51	53	3.8				15 - 110	20
% Terphenyl-d14	91	100	95	5.1				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 300886, QC Sample No: BH79488 (BH79490 (1X, 50X))

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	113	110	2.7	96	97	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	125	120	4.1	99	99	0.0	70 - 130	30
1,1,2-Trichloroethane	ND	113	111	1.8	96	96	0.0	70 - 130	30
1,1-Dichloroethane	ND	128	123	4.0	111	114	2.7	70 - 130	30
1,1-Dichloroethene	ND	116	109	6.2	83	83	0.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	90	82	9.3	78	78	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	86	80	7.2	79	76	3.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	113	111	1.8	86	85	1.2	70 - 130	30
1,2-Dibromoethane	ND	119	116	2.6	98	99	1.0	70 - 130	30
1,2-Dichlorobenzene	ND	95	88	7.7	83	82	1.2	70 - 130	30
1,2-Dichloroethane	ND	110	107	2.8	94	94	0.0	70 - 130	30
1,2-Dichloropropane	ND	123	118	4.1	106	107	0.9	70 - 130	30

QA/QC Data

SDG I.D.: GBH79490

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3-Dichlorobenzene	ND	94	87	7.7	84	80	4.9	70 - 130	30	
1,4-Dichlorobenzene	ND	90	83	8.1	82	79	3.7	70 - 130	30	
2-Hexanone	ND	99	98	1.0	82	84	2.4	70 - 130	30	
4-Methyl-2-pentanone	ND	118	118	0.0	92	93	1.1	70 - 130	30	
Acetone	ND	91	96	5.3	50	68	30.5	70 - 130	30	m
Benzene	ND	120	115	4.3	104	103	1.0	70 - 130	30	
Bromochloromethane	ND	114	108	5.4	93	94	1.1	70 - 130	30	
Bromodichloromethane	ND	117	111	5.3	93	94	1.1	70 - 130	30	
Bromoform	ND	87	87	0.0	61	64	4.8	70 - 130	30	m
Bromomethane	ND	93	85	9.0	54	58	7.1	70 - 130	30	m
Carbon Disulfide	ND	132	127	3.9	85	86	1.2	70 - 130	30	l
Carbon tetrachloride	ND	112	107	4.6	90	89	1.1	70 - 130	30	
Chlorobenzene	ND	97	94	3.1	87	87	0.0	70 - 130	30	
Chloroethane	ND	119	111	7.0	25	24	4.1	70 - 130	30	m
Chloroform	ND	114	110	3.6	99	99	0.0	70 - 130	30	
Chloromethane	ND	117	113	3.5	106	107	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	123	127	3.2	105	105	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	127	123	3.2	104	104	0.0	70 - 130	30	
Cyclohexane	ND	113	109	3.6	112	113	0.9	70 - 130	30	
Dibromochloromethane	ND	101	99	2.0	76	79	3.9	70 - 130	30	
Dichlorodifluoromethane	ND	104	101	2.9	89	95	6.5	70 - 130	30	
Ethylbenzene	ND	102	98	4.0	90	89	1.1	70 - 130	30	
Isopropylbenzene	ND	109	101	7.6	93	93	0.0	70 - 130	30	
m&p-Xylene	ND	98	92	6.3	87	87	0.0	70 - 130	30	
Methyl ethyl ketone	ND	106	113	6.4	82	80	2.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	111	103	7.5	82	84	2.4	70 - 130	30	
Methylacetate	ND	130	130	0.0	166	162	2.4	70 - 130	30	m
Methylcyclohexane	ND	108	106	1.9	103	103	0.0	70 - 130	30	
Methylene chloride	ND	109	105	3.7	88	90	2.2	70 - 130	30	
o-Xylene	ND	103	100	3.0	91	91	0.0	70 - 130	30	
Styrene	ND	101	96	5.1	90	90	0.0	70 - 130	30	
Tetrachloroethene	ND	87	83	4.7	79	77	2.6	70 - 130	30	
Toluene	ND	115	110	4.4	99	100	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	114	109	4.5	94	96	2.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	122	120	1.7	97	96	1.0	70 - 130	30	
Trichloroethene	ND	99	98	1.0	87	88	1.1	70 - 130	30	
Trichlorofluoromethane	ND	104	101	2.9	19	18	5.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	113	110	2.7	86	88	2.3	70 - 130	30	
Vinyl chloride	ND	116	112	3.5	121	123	1.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	94	103	99	4.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	102	111	107	3.7	111	110	0.9	70 - 130	30	
% Dibromofluoromethane	93	94	92	2.2	92	94	2.2	70 - 130	30	
% Toluene-d8	96	109	109	0.0	109	108	0.9	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301001, QC Sample No: BH79490 (BH79490)

Gasoline Range Organics (C6C10) - Solid

Gasoline Range Organics (C6-C10)	ND	83			48	45	6.5	60 - 120	30	m

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

QA/QC Data

SDG I.D.: GBH79490

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 16, 2015

Sample Criteria Exceedences Report

GBH79490 - HESNY-TUCK

Criteria: NJ: ISCC, NRC, RC; NY: 375

State: NJ

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79490	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	100	83	50	50	ug/kg
BH79490	$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1100	330	330	ug/Kg
BH79490	$8270_TCLR	Bis(2-chloroethyl)ether	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1600	400	200	ug/Kg
BH79490	$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1100	330	330	ug/Kg
BH79490	$8270_TCLR	N-Nitrosodi-n-propylamine	NJ / Soil Remediation Standard / Non Res. Direct Contact	ND	1100	300	200	ug/Kg
BH79490	$8270_TCLR	N-Nitrosodi-n-propylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1100	200	200	ug/Kg
BH79490	$8270_TCLR	Hexachlorobenzene	NJ / Soil Remediation Standard / Non Res. Direct Contact	ND	1100	1000	200	ug/Kg
BH79490	$8270_TCLR	Hexachlorobenzene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1100	300	200	ug/Kg
BH79490	$8270_TCLR	Benz(a)anthracene	NJ / Soil Remediation Standard / Non Res. Direct Contact	8000	1100	2000	200	ug/Kg
BH79490	$8270_TCLR	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	8000	1100	600	200	ug/Kg
BH79490	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8000	1100	1000	1000	ug/Kg
BH79490	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7600	1100	1000	1000	ug/Kg
BH79490	$8270_TCLR	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Non Res. Direct Contact	8400	1100	2000	200	ug/Kg
BH79490	$8270_TCLR	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	8400	1100	600	200	ug/Kg
BH79490	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8400	1100	1000	1000	ug/Kg
BH79490	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3300	1100	800	800	ug/Kg
BH79490	$8270_TCLR	Benzo(a)pyrene	NJ / Soil Remediation Standard / Non Res. Direct Contact	6500	1100	200	200	ug/Kg
BH79490	$8270_TCLR	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	6500	1100	200	200	ug/Kg
BH79490	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6500	1100	1000	1000	ug/Kg
BH79490	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	2000	1100	600	200	ug/Kg
BH79490	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	1100	500	500	ug/Kg
BH79490	$8270_TCLR	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Non Res. Direct Contact	ND	1100	200	200	ug/Kg
BH79490	$8270_TCLR	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1100	200	200	ug/Kg
BH79490	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1100	330	330	ug/Kg
BH79490	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	ug/Kg
BH79490	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	ug/Kg
BH79490	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	ug/Kg
BH79490	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	39.0	0.34	30		mg/Kg
BH79490	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	249	3.4	50	50	mg/kg
BH79490	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.27	0.03	0.18	0.18	mg/Kg
BH79490	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	38.2	0.34	30	30	mg/Kg
BH79490	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	378	3.4	63	63	mg/Kg
BH79490	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	5.21	0.10	5	5	mg/L
BH79490	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	407	3.4	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4° C Pg 1 of

Data Delivery:
☐ Fax #:
☐ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Maidedale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to: ↗

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RG/JH Date: 3/3/15

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

Analysis Request: See Attached

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	5g Encore	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container (4) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 1250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
79490	TB-4 (0-10)	S	3/3/15	2:00	3		2	1							

Relinquished by:	Accepted by:	Date:	Time:
		3-4-15	11:50
		3/4/15	16:20

Comments, Special Requirements or Regulations:
Running attached CleanEarth Protocol for NJ disposal approval (13 tests)

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☒ Res. Criteria
☒ Non-Res. Criteria
☒ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

BH79490

Clean Earth Sampling Protocol
Hybrid

PARAMETERS / METHODS		TOTAL PETROLEUM HYDROCARBONS (TPHC): GRO & DRO - Expanded to C44 (GRAB SAMPLE)	EPH (Extractable Petroleum Hydrocarbon)	TOTAL VOLATILE ORGANICS (TCL+10 & NJDEP SCC List + NJDEP SRS List)	TOTAL SEMIVOLATILE ORGANICS (TCL+10 & NJDEP SCC List + NJDEP SRS List)	Total Pesticides (TCL + NJDEP SRS List)	TAL Metals & Hexavalent Chromium and Mercury	TCLP METALS RCRA + Cu, Ni, Zn	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TCLP VOLATILE ORGANICS (GRAB SAMPLE)	TCLP SEMI VOLATILE ORGANICS	TCLP HERBICIDES	TCLP PESTICIDES
		8015M (expanded to C44)	Extractable Petroleum Hydrocarbon /EPH	8260B - with EnCore sampling devices	8270D	8081A/ 8151A	6000/ 7000	1311/6010	1010A	9040C	SW846 CHAPTER 7.3	8082A	1311/ 8260B	1311/ 8270D	1311/ 8151A	1311/ 8081B
	FREQUENCY															
HISTORIC FILL/ CONSTRUCTION FILL	Grab Sample Every 250 tons	X														
	Grab - every 1000 tons			X												
	5 point composite - every 1000 tons				X	X	X	X	X	X	X	X		X	X	X

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc.

Protocol for sampling requires the screening of each of the five (5) grab samples with a PID. The highest PID grab sample for every 1,000 tons is to be submitted for the VOC portion of the testing utilizing an ENCORE sampling device. The five (5) grab samples are then to be composited for every 1,000 tons and submitted for the remaining parameters.

In addition, Clean Earth of Carteret requires 1 EPH analysis every 100 cy, which can be analyzed from incoming loads.
CEP facility requires 1 grab sample every 250 tons to be analyzed for TPH-DRO/GRO-Extended to C44, which can be analyzed once need arises.
CE requests that enough grabs for TPHs are collected and put on hold for further analysis as needed.

PHOENIX
Environmental Laboratories, Inc.

Monday, March 16, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Sample ID#s: BH79483 - BH79489

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 16, 2015

SDG I.D.: GBH79483

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	11:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79483

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	03/05/15	LK	SW6010C
Aluminum	15000	56	mg/Kg	03/05/15	LK	SW6010C
Arsenic	4.3	0.7	mg/Kg	03/05/15	LK	SW6010C
Barium	155	0.37	mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.46	0.30	mg/Kg	03/05/15	LK	SW6010C
Calcium	13100	56	mg/Kg	03/05/15	LK	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	03/05/15	LK	SW6010C
Cobalt	12.9	0.37	mg/Kg	03/05/15	LK	SW6010C
Chromium	43.1	0.37	mg/Kg	03/05/15	LK	SW6010C
Copper	34.1	0.37	mg/kg	03/05/15	LK	SW6010C
Iron	24300	56	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.06	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	2360	5.6	mg/Kg	03/05/15	LK	SW6010C
Magnesium	9350	56	mg/Kg	03/05/15	LK	SW6010C
Manganese	404	3.7	mg/Kg	03/05/15	LK	SW6010C
Sodium	158	5.6	mg/Kg	03/05/15	LK	SW6010C
Nickel	28.1	0.37	mg/Kg	03/05/15	LK	SW6010C
Lead	180	3.7	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.7	3.7	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	03/05/15	LK	SW6010C
Vanadium	62.5	0.37	mg/Kg	03/05/15	LK	SW6010C
Zinc	258	3.7	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	82		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.55	0.55	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1221	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1232	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1242	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1248	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1254	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1260	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1262	ND	79	ug/Kg	03/05/15	KCA	SW8082A
PCB-1268	ND	79	ug/Kg	03/05/15	KCA	SW8082A
QA/QC Surrogates						
% DCBP	91		%	03/05/15	KCA	30 - 150 %
% TCMX	66		%	03/05/15	KCA	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	62	81	ug/kg	03/05/15	JLI	SW8260C
Benzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	90		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	96		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	96	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	560	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	560	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	560	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	560	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	690	560	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	560	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	800	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	970	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Phoenix I.D.: BH79483

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	2300	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	800	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	560	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	560	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	560	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	2300	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	810	560	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	1500	560	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	5600	560	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	5800	560	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	7700	560	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	2900	560	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	2500	560	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	560	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	780	560	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	2300	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	6000	560	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	790	560	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	7100	560	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	2700	560	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	560	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	720	560	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	560	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	800	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	560	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	4100	560	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	5800	560	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Phoenix I.D.: BH79483

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	81		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	71		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	67		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	70		%	03/05/15	DD	30 - 130 %
% Phenol-d5	66		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	55		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

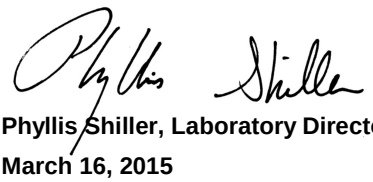
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	14:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79484

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	03/05/15	LK	SW6010C
Aluminum	8790	58	mg/Kg	03/05/15	LK	SW6010C
Arsenic	12.0	0.8	mg/Kg	03/05/15	LK	SW6010C
Barium	104	0.39	mg/Kg	03/05/15	LK	SW6010C
Beryllium	< 0.31	0.31	mg/Kg	03/05/15	LK	SW6010C
Calcium	21600	58	mg/Kg	03/05/15	LK	SW6010C
Cadmium	1.15	0.39	mg/Kg	03/05/15	LK	SW6010C
Cobalt	9.44	0.39	mg/Kg	03/05/15	LK	SW6010C
Chromium	36.5	0.39	mg/Kg	03/05/15	LK	SW6010C
Copper	150	3.9	mg/kg	03/05/15	LK	SW6010C
Iron	24900	58	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.34	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	1540	5.8	mg/Kg	03/05/15	LK	SW6010C
Magnesium	6890	58	mg/Kg	03/05/15	LK	SW6010C
Manganese	286	3.9	mg/Kg	03/05/15	LK	SW6010C
Sodium	354	5.8	mg/Kg	03/05/15	LK	SW6010C
Nickel	28.6	0.39	mg/Kg	03/05/15	LK	SW6010C
Lead	419	3.9	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.9	3.9	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.5	3.5	mg/Kg	03/05/15	LK	SW6010C
Vanadium	56.4	0.39	mg/Kg	03/05/15	LK	SW6010C
Zinc	342	3.9	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	79		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.63	0.63	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1221	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1232	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1242	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1248	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1254	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1260	1100	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1262	ND	410	ug/Kg	03/06/15	AW	SW8082A
PCB-1268	ND	410	ug/Kg	03/06/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	120		%	03/06/15	AW	30 - 150 %
% TCMX	82		%	03/06/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	250	81	ug/kg	03/05/15	JLI	SW8260C
Benzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	110	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	13	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	101		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	86		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	590	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	590	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	590	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	840	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	1000	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Phoenix I.D.: BH79484

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	2400	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	840	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	590	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	590	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	590	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	2400	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	790	590	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	840	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	590	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	3600	590	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	2400	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	730	590	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	850	590	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	590	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	840	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	590	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	840	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	800	590	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	670	590	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Phoenix I.D.: BH79484

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	76		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	49		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	60		%	03/05/15	DD	30 - 130 %
% Phenol-d5	54		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	50		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

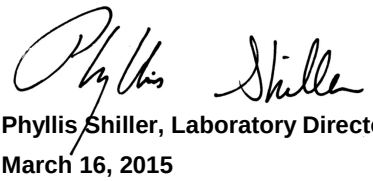
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	14:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79485

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.51	0.51	mg/Kg	03/05/15	LK	SW6010C
Aluminum	11300	76	mg/Kg	03/05/15	LK	SW6010C
Arsenic	25.1	1.0	mg/Kg	03/05/15	LK	SW6010C
Barium	1120	0.51	mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.46	0.40	mg/Kg	03/05/15	LK	SW6010C
Calcium	5090	7.6	mg/Kg	03/05/15	LK	SW6010C
Cadmium	3.12	0.51	mg/Kg	03/05/15	LK	SW6010C
Cobalt	6.72	0.51	mg/Kg	03/05/15	LK	SW6010C
Chromium	82.0	0.51	mg/Kg	03/05/15	LK	SW6010C
Copper	69.0	0.51	mg/kg	03/05/15	LK	SW6010C
Iron	15500	76	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.29	0.04	mg/Kg	03/05/15	MA	SW7471B
Potassium	1640	7.6	mg/Kg	03/05/15	LK	SW6010C
Magnesium	3580	7.6	mg/Kg	03/05/15	LK	SW6010C
Manganese	278	5.1	mg/Kg	03/05/15	LK	SW6010C
Sodium	229	7.6	mg/Kg	03/05/15	LK	SW6010C
Nickel	21.8	0.51	mg/Kg	03/05/15	LK	SW6010C
Lead	589	5.1	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 5.1	5.1	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 2.0	2.0	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 4.6	4.6	mg/Kg	03/05/15	LK	SW6010C
Vanadium	80.5	0.51	mg/Kg	03/05/15	LK	SW6010C
Zinc	216	5.1	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	61		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.82	0.82	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1221	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1232	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1242	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1248	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1254	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1260	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1262	ND	54	ug/Kg	03/06/15	AW	SW8082A
PCB-1268	ND	54	ug/Kg	03/06/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	46		%	03/06/15	AW	30 - 150 %
% TCMX	51		%	03/06/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	220	81	ug/kg	03/05/15	JLI	SW8260C
Benzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	110	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	12	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	94		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	100		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	105		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	84		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	380	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	870	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	380	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	870	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	380	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	540	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	650	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	870	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Phoenix I.D.: BH79485

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	1600	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	540	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	380	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	380	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	380	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	870	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	1600	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	620	380	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	640	380	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	540	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	380	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	3200	380	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	1600	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	640	380	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	990	380	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	380	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	540	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	380	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	540	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	540	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	440	380	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	810	380	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Phoenix I.D.: BH79485

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	92		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	60		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	66		%	03/05/15	DD	30 - 130 %
% Phenol-d5	64		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	68		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

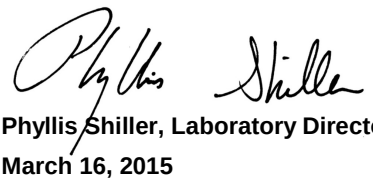
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	12:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79486

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	03/05/15	LK	SW6010C
Aluminum	10600	54	mg/Kg	03/05/15	LK	SW6010C
Arsenic	3.3	0.7	mg/Kg	03/05/15	LK	SW6010C
Barium	79.1	0.36	mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.34	0.29	mg/Kg	03/05/15	LK	SW6010C
Calcium	15600	54	mg/Kg	03/05/15	LK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	03/05/15	LK	SW6010C
Cobalt	9.57	0.36	mg/Kg	03/05/15	LK	SW6010C
Chromium	25.2	0.36	mg/Kg	03/05/15	LK	SW6010C
Copper	60.7	0.36	mg/kg	03/05/15	LK	SW6010C
Iron	20100	54	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.04	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	2340	5.4	mg/Kg	03/05/15	LK	SW6010C
Magnesium	6620	54	mg/Kg	03/05/15	LK	SW6010C
Manganese	279	3.6	mg/Kg	03/05/15	LK	SW6010C
Sodium	289	5.4	mg/Kg	03/05/15	LK	SW6010C
Nickel	20.3	0.36	mg/Kg	03/05/15	LK	SW6010C
Lead	52.5	0.36	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.6	3.6	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	03/05/15	LK	SW6010C
Vanadium	42.0	0.36	mg/Kg	03/05/15	LK	SW6010C
Zinc	71.0	0.36	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	87		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.48	0.48	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1221	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1232	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1242	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1248	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1254	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1260	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1262	ND	74	ug/Kg	03/05/15	KCA	SW8082A
PCB-1268	ND	74	ug/Kg	03/05/15	KCA	SW8082A
QA/QC Surrogates						
% DCBP	65		%	03/05/15	KCA	30 - 150 %
% TCMX	68		%	03/05/15	KCA	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/05/15	JLI	SW8260C
Benzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	95		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	88		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	91		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	530	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1200	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	760	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	920	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Phoenix I.D.: BH79486

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	760	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	1200	530	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	1200	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	1500	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	600	530	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	530	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	770	530	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	1200	530	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	1900	530	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	760	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	530	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	1700	530	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	1600	530	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Phoenix I.D.: BH79486

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	81		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	74		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	66		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	82		%	03/05/15	DD	30 - 130 %
% Phenol-d5	66		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	61		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

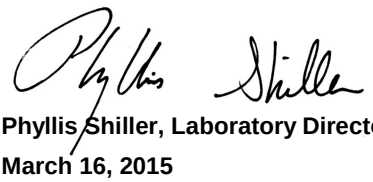
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	12:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79487

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	03/05/15	LK	SW6010C
Aluminum	8160	60	mg/Kg	03/05/15	LK	SW6010C
Arsenic	4.0	0.8	mg/Kg	03/05/15	LK	SW6010C
Barium	57.9	0.40	mg/Kg	03/05/15	LK	SW6010C
Beryllium	< 0.32	0.32	mg/Kg	03/05/15	LK	SW6010C
Calcium	62400	60	mg/Kg	03/05/15	LK	SW6010C
Cadmium	< 0.40	0.40	mg/Kg	03/05/15	LK	SW6010C
Cobalt	7.28	0.40	mg/Kg	03/05/15	LK	SW6010C
Chromium	26.0	0.40	mg/Kg	03/05/15	LK	SW6010C
Copper	28.0	0.40	mg/kg	03/05/15	LK	SW6010C
Iron	13600	60	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.05	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	1860	6.0	mg/Kg	03/05/15	LK	SW6010C
Magnesium	30000	60	mg/Kg	03/05/15	LK	SW6010C
Manganese	208	4.0	mg/Kg	03/05/15	LK	SW6010C
Sodium	321	6.0	mg/Kg	03/05/15	LK	SW6010C
Nickel	16.3	0.40	mg/Kg	03/05/15	LK	SW6010C
Lead	40.6	0.40	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 4.0	4.0	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.6	3.6	mg/Kg	03/05/15	LK	SW6010C
Vanadium	36.5	0.40	mg/Kg	03/05/15	LK	SW6010C
Zinc	48.1	0.40	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	86		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.58	0.58	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1221	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1232	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1242	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1248	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1254	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1260	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1262	ND	77	ug/Kg	03/05/15	KCA	SW8082A
PCB-1268	ND	77	ug/Kg	03/05/15	KCA	SW8082A
QA/QC Surrogates						
% DCBP	64		%	03/05/15	KCA	30 - 150 %
% TCMX	69		%	03/05/15	KCA	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	61	81	ug/kg	03/05/15	JLI	SW8260C
Benzene	6.9	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	96		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	104		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	82		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	83		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	530	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1200	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	530	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	760	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	910	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Phoenix I.D.: BH79487

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	760	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	530	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	1100	530	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	2200	530	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	2000	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	2900	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	1100	530	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	530	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	2200	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	2300	530	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	3700	530	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	530	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	760	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	530	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	760	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	3600	530	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	3000	530	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Phoenix I.D.: BH79487

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	68		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	75		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	64		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	81		%	03/05/15	DD	30 - 130 %
% Phenol-d5	65		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	59		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

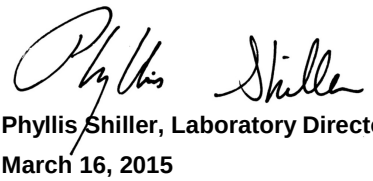
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	15:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79488

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	03/05/15	LK	SW6010C
Aluminum	11200	53	mg/Kg	03/05/15	LK	SW6010C
Arsenic	3.3	0.7	mg/Kg	03/05/15	LK	SW6010C
Barium	73.8	0.35	mg/Kg	03/05/15	LK	SW6010C
Beryllium	0.32	0.28	mg/Kg	03/05/15	LK	SW6010C
Calcium	24800	53	mg/Kg	03/05/15	LK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	03/05/15	LK	SW6010C
Cobalt	11.4	0.35	mg/Kg	03/05/15	LK	SW6010C
Chromium	24.8	0.35	mg/Kg	03/05/15	LK	SW6010C
Copper	57.7	0.35	mg/kg	03/05/15	LK	SW6010C
Iron	20700	53	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.28	0.03	mg/Kg	03/05/15	MA	SW7471B
Potassium	3160	5.3	mg/Kg	03/05/15	LK	SW6010C
Magnesium	14500	53	mg/Kg	03/05/15	LK	SW6010C
Manganese	349	3.5	mg/Kg	03/05/15	LK	SW6010C
Sodium	293	5.3	mg/Kg	03/05/15	LK	SW6010C
Nickel	19.0	0.35	mg/Kg	03/05/15	LK	SW6010C
Lead	49.3	0.35	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 3.5	3.5	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	03/05/15	LK	SW6010C
Vanadium	37.5	0.35	mg/Kg	03/05/15	LK	SW6010C
Zinc	70.8	0.35	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	87		%	03/04/15	I	SW846-%Solid
Total Cyanide	< 0.57	0.57	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1221	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1232	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1242	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1248	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1254	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1260	190	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1262	ND	76	ug/Kg	03/06/15	AW	SW8082A
PCB-1268	ND	76	ug/Kg	03/06/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	64		%	03/06/15	AW	30 - 150 %
% TCMX	63		%	03/06/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/05/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/05/15	JLI	SW8260C
Benzene	5.9	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chlorobenzene	ND	20	ug/kg	03/05/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/kg	03/05/15	JLI	SW8260C
m&p-Xylene	8.4	8.1	ug/kg	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/05/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/05/15	JLI	SW8260C
Methylcyclohexane	4.1	8.1	ug/kg	03/05/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
o-Xylene	5.1	8.1	ug/kg	03/05/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Toluene	4.9	8.1	ug/kg	03/05/15	JLI	SW8260C
Total Xylenes	13.5	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/05/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	95		%	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	96		%	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	93		%	03/05/15	JLI	70 - 130 %
% Toluene-d8	95		%	03/05/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	70	ug/kg	03/05/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/05/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	1300	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	3000	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1300	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	3000	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1900	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	2300	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	3000	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	5500	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	1900	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	3000	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	5500	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	2900	1300	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	4500	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	4000	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	5900	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	2300	1300	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	1900	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	1300	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	5500	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	4800	1300	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	1400	1300	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	8600	1300	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	1800	1300	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	2100	1300	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	1900	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	1900	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	10000	1300	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	1300	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	6500	1300	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	69		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	71		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	62		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	74		%	03/05/15	DD	30 - 130 %
% Phenol-d5	60		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	55		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

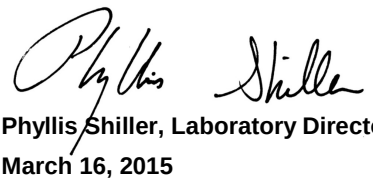
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 16, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	10:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79489

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	5.10	0.58	mg/Kg	03/05/15	LK	SW6010C
Aluminum	10300	88	mg/Kg	03/05/15	LK	SW6010C
Arsenic	17.1	1.2	mg/Kg	03/05/15	LK	SW6010C
Barium	332	0.58	mg/Kg	03/05/15	LK	SW6010C
Beryllium	< 0.47	0.47	mg/Kg	03/05/15	LK	SW6010C
Calcium	86900	88	mg/Kg	03/05/15	LK	SW6010C
Cadmium	3.25	0.58	mg/Kg	03/05/15	LK	SW6010C
Cobalt	12.3	0.58	mg/Kg	03/05/15	LK	SW6010C
Chromium	84.7	0.58	mg/Kg	03/05/15	LK	SW6010C
Copper	90.9	0.58	mg/kg	03/05/15	LK	SW6010C
Iron	30900	88	mg/Kg	03/05/15	LK	SW6010C
Mercury	0.57	0.05	mg/Kg	03/05/15	MA	SW7471B
Potassium	2440	8.8	mg/Kg	03/05/15	LK	SW6010C
Magnesium	50100	88	mg/Kg	03/05/15	LK	SW6010C
Manganese	324	5.8	mg/Kg	03/05/15	LK	SW6010C
Sodium	202	8.8	mg/Kg	03/05/15	LK	SW6010C
Nickel	35.0	0.58	mg/Kg	03/05/15	LK	SW6010C
Lead	570	5.8	mg/Kg	03/05/15	LK	SW6010C
Antimony	< 7.0	7.0	mg/Kg	03/05/15	LK	SW6010C
Selenium	< 2.3	2.3	mg/Kg	03/05/15	LK	SW6010C
Thallium	< 5.3	5.3	mg/Kg	03/05/15	LK	SW6010C
Vanadium	52.7	0.58	mg/Kg	03/05/15	LK	SW6010C
Zinc	677	5.8	mg/Kg	03/05/15	LK	SW6010C
Percent Solid	57		%	03/04/15	I	SW846-%Solid
Total Cyanide	9.82	0.88	mg/Kg	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed			03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed			03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/05/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1221	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1232	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1242	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1248	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1254	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1260	130	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1262	ND	120	ug/Kg	03/10/15	AW	SW8082A
PCB-1268	ND	120	ug/Kg	03/10/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	58		%	03/10/15	AW	30 - 150 %
% TCMX	56		%	03/10/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,1-Dichloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,1-Dichloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,2-Dibromoethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,2-Dichloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,2-Dichloropropane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/kg	03/06/15	JLI	SW8260C
2-Hexanone	ND	41	ug/kg	03/06/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/kg	03/06/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/06/15	JLI	SW8260C
Benzene	1800	8.1	ug/kg	03/06/15	JLI	SW8260C
Bromochloromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Bromodichloromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Bromoform	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Bromomethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Carbon Disulfide	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Carbon tetrachloride	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Chlorobenzene	ND	1000	ug/kg	03/06/15	JLI	SW8260C
Chloroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Chloroform	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Chloromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Cyclohexane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Dibromochloromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Dichlorodifluoromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	1200	8.1	ug/kg	03/06/15	JLI	SW8260C
Isopropylbenzene	6900	360	ug/kg	03/06/15	JLI	SW8260C
m&p-Xylene	4500	8.1	ug/kg	03/06/15	JLI	SW8260C
Methyl ethyl ketone	ND	49	ug/kg	03/06/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/kg	03/06/15	JLI	SW8260C
Methylacetate	ND	6.5	ug/kg	03/06/15	JLI	SW8260C
Methylcyclohexane	9200	8.1	ug/kg	03/06/15	JLI	SW8260C
Methylene chloride	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
o-Xylene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Styrene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Tetrachloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Toluene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Total Xylenes	4500	8.1	ug/kg	03/06/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Trichloroethene	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Trichlorofluoromethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
Vinyl chloride	ND	8.1	ug/kg	03/06/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/06/15	JLI	70 - 130 %
% Bromofluorobenzene	96		%	03/06/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	03/06/15	JLI	70 - 130 %
% Toluene-d8	92		%	03/06/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	17000	ug/kg	03/06/15	JLI	SW8260C
Volatile Library Search Top 10	Completed			03/09/15	JLI	
Semivolatiles						
1,1-Biphenyl	ND	810	ug/Kg	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND	1800	ug/Kg	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND	810	ug/Kg	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND	810	ug/Kg	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND	810	ug/Kg	03/05/15	DD	SW8270D
2-Chlorophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
2-Methylnaphthalene	6500	810	ug/Kg	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/05/15	DD	SW8270D
2-Nitroaniline	ND	1800	ug/Kg	03/05/15	DD	SW8270D
2-Nitrophenol	ND	810	ug/Kg	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1200	ug/Kg	03/05/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	03/05/15	DD	SW8270D
3-Nitroaniline	ND	1800	ug/Kg	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Phoenix I.D.: BH79489

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	3300	ug/Kg	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	810	ug/Kg	03/05/15	DD	SW8270D	
4-Chloroaniline	ND	810	ug/Kg	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	810	ug/Kg	03/05/15	DD	SW8270D	
4-Nitroaniline	ND	1800	ug/Kg	03/05/15	DD	SW8270D	
4-Nitrophenol	ND	3300	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Acenaphthylene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Acetophenone	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Anthracene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Atrazine	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Benz(a)anthracene	1500	810	ug/Kg	03/05/15	DD	SW8270D	
Benzaldehyde	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Benzo(a)pyrene	1200	810	ug/Kg	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	1500	810	ug/Kg	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	810	ug/Kg	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	4000	810	ug/Kg	03/05/15	DD	SW8270D	
Caprolactam	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Carbazole	ND	3300	ug/Kg	03/05/15	DD	SW8270D	
Chrysene	1500	810	ug/Kg	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Dibenzofuran	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Diethyl phthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Dimethylphthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Fluoranthene	2100	810	ug/Kg	03/05/15	DD	SW8270D	
Fluorene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Hexachloroethane	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	660	500	ug/Kg	03/05/15	DD	SW8270D	
Isophorone	ND	810	ug/Kg	03/05/15	DD	SW8270D	
Naphthalene	7400	810	ug/Kg	03/05/15	DD	SW8270D	
Nitrobenzene	ND	810	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	810	ug/Kg	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	1200	ug/Kg	03/05/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/05/15	DD	SW8270D	
Phenanthrene	2100	810	ug/Kg	03/05/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/05/15	DD	SW8270D	
Pyrene	1700	810	ug/Kg	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Phoenix I.D.: BH79489

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
QA/QC Surrogates						
% 2,4,6-Tribromophenol	93		%	03/05/15	DD	30 - 130 %
% 2-Fluorobiphenyl	65		%	03/05/15	DD	30 - 130 %
% 2-Fluorophenol	67		%	03/05/15	DD	30 - 130 %
% Nitrobenzene-d5	62		%	03/05/15	DD	30 - 130 %
% Phenol-d5	70		%	03/05/15	DD	30 - 130 %
% Terphenyl-d14	51		%	03/05/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/06/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of non-target compounds.
There is an elevated reporting level for chlorobenzene because there was a problem with high level vials for this compound.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 16, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-3 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79483

Sample wt/vol: 6.33 (g/mL) g Lab File ID: 0304M45.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 18 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000526-73-8	Benzene, 1,2,3-trimethyl-	7.475	380	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.380	450	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.443	420	JN
	unknown	8.542	490	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.893	510	JN
000824-90-8	1-Phenyl-1-butene	9.274	360	JN
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	9.416	340	JN
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	9.630	510	JN
000091-57-6	Naphthalene, 2-methyl-	10.932	360	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (24-26)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79484

Sample wt/vol: 3.91 (g/mL) g Lab File ID: 0304M46.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 21 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000565-59-3	Pentane, 2,3-dimethyl-	3.009	410	JN
000590-73-8	Hexane, 2,2-dimethyl-	3.244	650	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.997	130	JN
000560-21-4	Pentane, 2,3,3-trimethyl-	4.091	140	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	7.470	270	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.380	110	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.448	92	JN
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	8.893	120	JN
	unknown	9.274	150	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (30-32)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79485

Sample wt/vol: 5.87 (g/mL) g Lab File ID: 0304M47.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 39 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	3.244	210	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	7.475	280	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.448	180	JN
	unknown	8.537	210	JN
	unknown	9.097	520	JN
006044-71-9	Dodecane, 6-methyl-	9.274	500	JN
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	9.630	200	JN
000629-50-5	Tridecane	9.996	470	JN
000544-76-3	Hexadecane	10.702	310	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-9 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79486

Sample wt/vol: 5.43 (g/mL) g Lab File ID: 0304M48.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 13 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	7.308	7.5	JN
017312-83-3	Undecane, 5,7-dimethyl-	7.543	17	JN
	unknown	7.773	19	JN
	unknown	8.893	6.7	JN
	unknown	9.280	6.2	JN
000629-50-5	Tridecane	9.996	7.3	JN
000629-59-4	Tetradecane	10.702	6	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-9 (7-9)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79487

Sample wt/vol: 5.61 (g/mL) g Lab File ID: 0304M49.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 14 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000066-25-1	Hexanal	5.556	32	JN
000611-14-3	Benzene, 1-ethyl-2-methyl-	7.031	14	JN
000622-96-8	Benzene, 1-ethyl-4-methyl-	7.308	13	JN
000620-14-4	Benzene, 1-ethyl-3-methyl-	7.475	22	JN
	unknown	8.537	17	JN
	unknown	9.097	22	JN
	unknown	9.280	25	JN
000769-25-5	Benzene, 2-ethenyl-1,3,5-trimethyl-	9.630	14	JN
000091-20-3	Naphthalene	9.970	16	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (4-6)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79488

Sample wt/vol: 8.21 (g/mL) g Lab File ID: 0304M51.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 13 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000620-14-4	Benzene, 1-ethyl-3-methyl-	7.025	11	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	7.120	9.9	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	7.470	19	JN
000496-11-7	Indane	8.003	15	JN
	unknown	9.097	7.5	JN
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	9.274	13	JN
000091-20-3	Naphthalene	9.960	180	JN
000091-57-6	Naphthalene, 2-methyl-	10.817	27	JN
000090-12-0	Naphthalene, 1-methyl-	10.932	17	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (32-34)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79489

Sample wt/vol: 5.21 (g/mL) g Lab File ID: 0306_17.D

Level: (low/med): Meth Date Received: 03/04/15

% Moisture: not dec. 43 Date Analyzed: 03/06/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 50

Soil Extract Volume: 10000 (uL) Soil Aliquot Vol (uL): 100

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000594-82-1	Butane, 2,2,3,3-tetramethyl-	3.252	70000	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.949	65000	JN
000609-26-7	Pentane, 3-ethyl-2-methyl-	4.038	110000	JN
000103-65-1	Benzene, propyl-	6.529	69000	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	6.681	71000	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	6.990	220000	JN
000496-11-7	Indane	7.436	50000	JN
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	7.499	49000	JN
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	7.729	53000	JN
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	7.808	44000	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-3 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79483

Sample wt/vol: 15.15 (g/mL) g Lab File ID: 0305_18.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 18 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.717	1700	JNA
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	6.936	1000	JN
017301-28-9	Undecane, 3,6-dimethyl-	7.828	1300	JN
	Unknown	8.007	720	JN
002051-30-1	Octane, 2,6-dimethyl-	8.405	1800	JN
004453-90-1	1,4-Methanonaphthalene, 1,4-dihydro-	8.942	740	JN
	Unknown	9.999	830	JN
	Unknown	13.881	760	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (24-26)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79484

Sample wt/vol: 15.1 (g/mL) g Lab File ID: 0305_19.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 21 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.719	1300	JNA
	Unknown	16.955	3800	JN
	Unknown	17.279	4700	JN
000630-02-4	Octacosane	22.192	6700	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (30-32)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79485

Sample wt/vol: 15.15 (g/mL) g Lab File ID: 0305_20.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 39 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.725	2200	JNA
017301-23-4	Undecane, 2,6-dimethyl-	7.828	450	JN
	Unknown	8.405	660	JN
000629-59-4	Tetradecane	10.124	540	JN
030824-81-8	Naphthalene, decahydro-1,4a-dimethyl-7-(1-methylet	10.530	600	JN
	Unknown	13.102	1000	JN
000057-10-3	n-Hexadecanoic acid	13.943	4000	JN
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-pentaene	14.977	2400	JN
	Unknown	18.538	5900	JN
	Unknown	18.728	3200	JN
000629-92-5	Nonadecane	18.896	2600	JN
000629-94-7	Heneicosane	22.217	5100	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-9 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79486

Sample wt/vol: 15.07 (g/mL) g Lab File ID: 0305_21.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 13 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.722	1700	JNA

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-9 (7-9)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79487

Sample wt/vol: 15.33 (g/mL) g Lab File ID: 0305_22.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 14 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.720	1900	JNA
	Unknown	13.881	750	JN
000092-06-8	m-Terphenyl	15.310	640	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-10 (4-6)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79488

Sample wt/vol: 15.16 (g/mL) g Lab File ID: 0305_23.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 13 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 5

Injection Volume: 2 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.720	1700	JNA
000629-50-5	Tridecane	8.681	1700	JN
000629-59-4	Tetradecane	9.601	1600	JN
000203-64-5	4H-Cyclopenta[def]phenanthrene	13.881	1600	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (32-34)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79489

Sample wt/vol: 15.22 (g/mL) g Lab File ID: 0305_22.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 43 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.780	3300	JN
000098-82-8	Benzene, (1-methylethyl)-	4.520	3800	JN
000103-65-1	Benzene, propyl-	4.870	10000	JN
000611-14-3	Benzene, 1-ethyl-2-methyl-	4.960	6800	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	5.350	45000	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	5.660	12000	JN
000496-11-7	1H-Indene, 2,3-dihydro-	5.820	6100	JN
000135-01-3	Benzene, 1,2-diethyl-	5.930	4300	JN
001074-43-7	Benzene, 1-methyl-3-propyl-	5.970	6500	JN
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	6.040	13000	JN
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	6.240	6600	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	6.280	5600	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	6.700	4100	JN
	Benzene, 1-ethyl-2,3-dimethyl- Isomer	6.730	4900	JN
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	7.060	5800	JN

Environmental Laboratories, Inc.
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NY # 11301

QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300815, QC Sample No: BH78545 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)													
Mercury - Soil	BRL	0.34	0.32	6.10	99.2			75.8	55.2	31.5	70 - 130	30	m,r
Comment:													
LCSD not reported.													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 300775, QC Sample No: BH79341 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)													
ICP Metals - Soil													
Aluminum	BRL	8930	7970	11.4	101	110	8.5	NC	NC	NC	75 - 125	30	
Antimony	BRL	<1.8	<3.4	NC	110	114	3.6	90.3	93.6	3.6	75 - 125	30	
Arsenic	BRL	2.9	2.85	NC	99.6	108	8.1	99.3	99.0	0.3	75 - 125	30	
Barium	BRL	55.2	49.6	10.7	111	127	13.4	115	107	7.2	75 - 125	30	l
Beryllium	BRL	0.39	0.36	NC	103	109	5.7	103	101	2.0	75 - 125	30	
Cadmium	BRL	0.30	0.27	NC	90.9	94.9	4.3	97.0	97.3	0.3	75 - 125	30	
Calcium	BRL	19800	19100	3.60	105	108	2.8	NC	NC	NC	75 - 125	30	
Chromium	BRL	19.8	15.2	26.3	107	114	6.3	104	103	1.0	75 - 125	30	
Cobalt	BRL	6.10	5.55	9.40	92.6	97.4	5.1	103	102	1.0	75 - 125	30	
Copper	BRL	23.4	22.0	6.20	98.5	104	5.4	123	117	5.0	75 - 125	30	
Iron	BRL	18400	15300	18.4	95.4	104	8.6	NC	NC	NC	75 - 125	30	
Lead	BRL	44.9	48.9	8.50	95.0	100	5.1	101	99.1	1.9	75 - 125	30	
Magnesium	BRL	3220	2870	11.5	107	114	6.3	NC	NC	NC	75 - 125	30	
Manganese	BRL	355	309	13.9	110	115	4.4	104	>130	NC	75 - 125	30	m
Nickel	BRL	13.1	12.1	7.90	104	107	2.8	99.8	100	0.2	75 - 125	30	
Potassium	BRL	906	858	5.40	98.9	107	7.9	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.4	<1.4	NC	89.1	96.5	8.0	83.5	85.2	2.0	75 - 125	30	
Silver	BRL	<0.36	<0.34	NC	105	111	5.6	108	108	0.0	75 - 125	30	
Sodium	BRL	98	102	4.00	107	115	7.2	130	114	13.1	75 - 125	30	m
Thallium	BRL	<1.4	<3.1	NC	102	111	8.5	103	103	0.0	75 - 125	30	
Vanadium	BRL	27.2	21.8	22.0	117	122	4.2	108	105	2.8	75 - 125	30	
Zinc	BRL	153	172	11.7	92.7	97.9	5.5	105	104	1.0	75 - 125	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300799, QC Sample No: BH78389 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)												
Total Cyanide (SW9010C Distillation)	BRL	2.93	3.36	13.7	103			101			85 - 115	30

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QA/QC Report

March 16, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300653, QC Sample No: BH78913 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	96	100	4.1	85	98	14.2	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	96	103	7.0	84	96	13.3	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	92	117	125	6.6	87	100	13.9	30 - 150	30	
% TCMX (Surrogate Rec)	59	99	103	4.0	86	94	8.9	30 - 150	30	
QA/QC Batch 300652, QC Sample No: BH78913 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)										
Semivolatiles - Soil										
1,1-Biphenyl	ND	78	78	0.0	60	60	0.0	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	77	0.0	58	59	1.7	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	100	97	3.0	73	77	5.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	85	87	2.3	65	68	4.5	30 - 130	30	
2,4,6-Trichlorophenol	ND	86	87	1.2	64	66	3.1	30 - 130	30	
2,4-Dichlorophenol	ND	81	83	2.4	61	61	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	78	78	0.0	63	64	1.6	30 - 130	30	
2,4-Dinitrophenol	ND	33	31	6.3	90	70	25.0	30 - 130	30	
2,4-Dinitrotoluene	ND	99	97	2.0	69	70	1.4	30 - 130	30	
2,6-Dinitrotoluene	ND	91	90	1.1	64	65	1.6	30 - 130	30	
2-Chloronaphthalene	ND	80	81	1.2	63	63	0.0	30 - 130	30	
2-Chlorophenol	ND	78	78	0.0	58	59	1.7	30 - 130	30	
2-Methylnaphthalene	ND	76	77	1.3	58	59	1.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	75	75	0.0	60	58	3.4	30 - 130	30	
2-Nitroaniline	ND	144	146	1.4	104	102	1.9	30 - 130	30	l
2-Nitrophenol	ND	86	85	1.2	65	66	1.5	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	77	77	0.0	57	57	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	63	62	1.6	42	44	4.7	30 - 130	30	
3-Nitroaniline	ND	77	74	4.0	56	55	1.8	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	61	59	3.3	114	83	31.5	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	75	74	1.3	54	55	1.8	30 - 130	30	
4-Chloro-3-methylphenol	ND	83	83	0.0	62	65	4.7	30 - 130	30	
4-Chloroaniline	ND	45	46	2.2	27	29	7.1	30 - 130	30	m
4-Chlorophenyl phenyl ether	ND	85	84	1.2	62	62	0.0	30 - 130	30	
4-Nitroaniline	ND	93	92	1.1	70	70	0.0	30 - 130	30	
4-Nitrophenol	ND	136	132	3.0	96	97	1.0	30 - 130	30	l
Acenaphthene	ND	85	85	0.0	64	64	0.0	30 - 130	30	
Acenaphthylene	ND	81	83	2.4	62	63	1.6	30 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acetophenone	ND	81	82	1.2	61	62	1.6	30 - 130	30	
Anthracene	ND	87	89	2.3	68	68	0.0	30 - 130	30	
Atrazine	ND	95	93	2.1	73	70	4.2	30 - 130	30	
Benz(a)anthracene	ND	89	89	0.0	64	64	0.0	30 - 130	30	
Benzaldehyde	ND	133	134	0.7	148	148	0.0	30 - 130	30	l,m
Benzo(a)pyrene	ND	88	87	1.1	62	61	1.6	30 - 130	30	
Benzo(b)fluoranthene	ND	87	87	0.0	59	58	1.7	30 - 130	30	
Benzo(ghi)perylene	ND	80	81	1.2	61	65	6.3	30 - 130	30	
Benzo(k)fluoranthene	ND	88	88	0.0	66	65	1.5	30 - 130	30	
Benzyl butyl phthalate	ND	86	84	2.4	67	69	2.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	81	82	1.2	60	61	1.7	30 - 130	30	
Bis(2-chloroethyl)ether	ND	63	62	1.6	51	53	3.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	71	71	0.0	52	52	0.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	84	84	0.0	64	64	0.0	30 - 130	30	
Caprolactam	ND	86	84	2.4	57	58	1.7	30 - 130	30	
Carbazole	ND	110	112	1.8	85	82	3.6	30 - 130	30	
Chrysene	ND	93	92	1.1	67	65	3.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	79	79	0.0	62	64	3.2	30 - 130	30	
Dibenzofuran	ND	86	86	0.0	64	64	0.0	30 - 130	30	
Diethyl phthalate	ND	95	93	2.1	67	67	0.0	30 - 130	30	
Dimethylphthalate	ND	89	87	2.3	64	64	0.0	30 - 130	30	
Di-n-butylphthalate	ND	91	92	1.1	66	63	4.7	30 - 130	30	
Di-n-octylphthalate	ND	86	86	0.0	57	58	1.7	30 - 130	30	
Fluoranthene	ND	96	96	0.0	71	67	5.8	30 - 130	30	
Fluorene	ND	90	89	1.1	67	68	1.5	30 - 130	30	
Hexachlorobenzene	ND	77	74	4.0	56	56	0.0	30 - 130	30	
Hexachlorobutadiene	ND	77	76	1.3	57	57	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	72	74	2.7	33	21	44.4	30 - 130	30	m,r
Hexachloroethane	ND	67	67	0.0	47	46	2.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	66	67	1.5	51	53	3.8	30 - 130	30	
Isophorone	ND	74	74	0.0	55	56	1.8	30 - 130	30	
Naphthalene	ND	78	78	0.0	59	60	1.7	30 - 130	30	
Nitrobenzene	ND	76	76	0.0	56	57	1.8	30 - 130	30	
N-Nitrosodimethylamine	ND	68	68	0.0	44	43	2.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	76	78	2.6	58	57	1.7	30 - 130	30	
N-Nitrosodiphenylamine	ND	98	94	4.2	69	71	2.9	30 - 130	30	
Pentachlorophenol	ND	86	88	2.3	77	72	6.7	30 - 130	30	
Phenanthrene	ND	87	85	2.3	63	62	1.6	30 - 130	30	
Phenol	ND	77	78	1.3	55	56	1.8	30 - 130	30	
Pyrene	ND	97	96	1.0	70	67	4.4	30 - 130	30	
% 2,4,6-Tribromophenol	57	79	76	3.9	60	61	1.7	30 - 130	30	
% 2-Fluorobiphenyl	49	76	77	1.3	56	56	0.0	30 - 130	30	
% 2-Fluorophenol	44	73	72	1.4	50	50	0.0	30 - 130	30	
% Nitrobenzene-d5	46	71	70	1.4	50	51	2.0	30 - 130	30	
% Phenol-d5	49	76	76	0.0	51	52	1.9	30 - 130	30	
% Terphenyl-d14	58	96	96	0.0	69	66	4.4	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 300959, QC Sample No: BH79121 (BH79483)

Volatiles (TCL) - Soil

1,1,1-Trichloroethane	ND	112	115	2.6	103	105	1.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2,2-Tetrachloroethane	ND	136	138	1.5	115	122	5.9	70 - 130	30	l
1,1,2-Trichloroethane	ND	108	110	1.8	99	101	2.0	70 - 130	30	
1,1-Dichloroethane	ND	115	118	2.6	106	111	4.6	70 - 130	30	
1,1-Dichloroethene	ND	112	118	5.2	85	87	2.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	115	115	0.0	104	110	5.6	70 - 130	30	
1,2,4-Trichlorobenzene	ND	113	110	2.7	105	109	3.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	120	119	0.8	100	108	7.7	70 - 130	30	
1,2-Dibromoethane	ND	112	113	0.9	96	101	5.1	70 - 130	30	
1,2-Dichlorobenzene	ND	115	114	0.9	106	110	3.7	70 - 130	30	
1,2-Dichloroethane	ND	105	107	1.9	95	96	1.0	70 - 130	30	
1,2-Dichloropropane	ND	115	117	1.7	104	109	4.7	70 - 130	30	
1,3-Dichlorobenzene	ND	116	116	0.0	108	113	4.5	70 - 130	30	
1,4-Dichlorobenzene	ND	121	121	0.0	116	119	2.6	70 - 130	30	
1,4-dioxane	ND	118	117	0.9	111	112	0.9	70 - 130	30	
2-Hexanone	ND	110	110	0.0	96	106	9.9	70 - 130	30	
4-Methyl-2-pentanone	ND	108	110	1.8	96	104	8.0	70 - 130	30	
Acetone	ND	95	103	8.1	63	67	6.2	70 - 130	30	m
Benzene	ND	115	117	1.7	105	108	2.8	70 - 130	30	
Bromochloromethane	ND	116	114	1.7	100	103	3.0	70 - 130	30	
Bromodichloromethane	ND	115	117	1.7	96	99	3.1	70 - 130	30	
Bromoform	ND	109	112	2.7	88	91	3.4	70 - 130	30	
Bromomethane	ND	102	104	1.9	66	73	10.1	70 - 130	30	m
Carbon Disulfide	ND	133	136	2.2	86	90	4.5	70 - 130	30	l
Carbon tetrachloride	ND	108	109	0.9	94	101	7.2	70 - 130	30	
Chlorobenzene	ND	116	118	1.7	107	111	3.7	70 - 130	30	
Chloroethane	ND	99	103	4.0	42	43	2.4	70 - 130	30	m
Chloroform	ND	113	114	0.9	92	94	2.2	70 - 130	30	
Chloromethane	ND	111	118	6.1	111	115	3.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	117	119	1.7	106	110	3.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	120	121	0.8	102	106	3.8	70 - 130	30	
Cyclohexane	ND	109	111	1.8	113	116	2.6	70 - 130	30	
Dibromochloromethane	ND	115	116	0.9	91	98	7.4	70 - 130	30	
Dichlorodifluoromethane	ND	112	113	0.9	110	115	4.4	70 - 130	30	
Ethylbenzene	ND	117	120	2.5	108	114	5.4	70 - 130	30	
Isopropylbenzene	ND	119	120	0.8	113	119	5.2	70 - 130	30	
m&p-Xylene	ND	114	118	3.4	108	112	3.6	70 - 130	30	
Methyl ethyl ketone	ND	110	104	5.6	90	93	3.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	110	110	0.0	91	95	4.3	70 - 130	30	
Methylacetate	ND	115	119	3.4	113	115	1.8	70 - 130	30	
Methylcyclohexane	ND	111	113	1.8	107	110	2.8	70 - 130	30	
Methylene chloride	ND	105	108	2.8	92	97	5.3	70 - 130	30	
o-Xylene	ND	117	119	1.7	109	114	4.5	70 - 130	30	
Styrene	ND	117	118	0.9	109	112	2.7	70 - 130	30	
Tetrachloroethene	ND	114	115	0.9	104	110	5.6	70 - 130	30	
Toluene	ND	112	115	2.6	104	108	3.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	122	123	0.8	107	111	3.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	120	120	0.0	99	101	2.0	70 - 130	30	
Trichloroethene	ND	108	111	2.7	99	104	4.9	70 - 130	30	
Trichlorofluoromethane	ND	106	110	3.7	29	30	3.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	114	115	0.9	89	92	3.3	70 - 130	30	
Vinyl chloride	ND	112	115	2.6	117	121	3.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	101	1.0	99	100	1.0	70 - 130	30	
% Bromofluorobenzene	95	100	100	0.0	98	98	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Dibromofluoromethane	99	99	101	2.0	96	97	1.0	70 - 130	30	
% Toluene-d8	96	101	101	0.0	100	100	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 300886, QC Sample No: BH79488 (BH79484 (1X, 25X) , BH79485 (1X, 28X) , BH79486, BH79487 (1X, 29X) , BH79488)

Volatiles (TCL) - Soil

1,1,1-Trichloroethane	ND	113	110	2.7	96	97	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	125	120	4.1	99	99	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	113	111	1.8	96	96	0.0	70 - 130	30	
1,1-Dichloroethane	ND	128	123	4.0	111	114	2.7	70 - 130	30	
1,1-Dichloroethene	ND	116	109	6.2	83	83	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	90	82	9.3	78	78	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	86	80	7.2	79	76	3.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	113	111	1.8	86	85	1.2	70 - 130	30	
1,2-Dibromoethane	ND	119	116	2.6	98	99	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	95	88	7.7	83	82	1.2	70 - 130	30	
1,2-Dichloroethane	ND	110	107	2.8	94	94	0.0	70 - 130	30	
1,2-Dichloropropane	ND	123	118	4.1	106	107	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	94	87	7.7	84	80	4.9	70 - 130	30	
1,4-Dichlorobenzene	ND	90	83	8.1	82	79	3.7	70 - 130	30	
1,4-dioxane	ND	126	105	18.2	80	107	28.9	70 - 130	30	
2-Hexanone	ND	99	98	1.0	82	84	2.4	70 - 130	30	
4-Methyl-2-pentanone	ND	118	118	0.0	92	93	1.1	70 - 130	30	
Acetone	ND	91	96	5.3	50	68	30.5	70 - 130	30	m
Benzene	ND	120	115	4.3	104	103	1.0	70 - 130	30	
Bromochloromethane	ND	114	108	5.4	93	94	1.1	70 - 130	30	
Bromodichloromethane	ND	117	111	5.3	93	94	1.1	70 - 130	30	
Bromoform	ND	87	87	0.0	61	64	4.8	70 - 130	30	m
Bromomethane	ND	93	85	9.0	54	58	7.1	70 - 130	30	m
Carbon Disulfide	ND	132	127	3.9	85	86	1.2	70 - 130	30	l
Carbon tetrachloride	ND	112	107	4.6	90	89	1.1	70 - 130	30	
Chlorobenzene	ND	97	94	3.1	87	87	0.0	70 - 130	30	
Chloroethane	ND	119	111	7.0	25	24	4.1	70 - 130	30	m
Chloroform	ND	114	110	3.6	99	99	0.0	70 - 130	30	
Chloromethane	ND	117	113	3.5	106	107	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	123	127	3.2	105	105	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	127	123	3.2	104	104	0.0	70 - 130	30	
Cyclohexane	ND	113	109	3.6	112	113	0.9	70 - 130	30	
Dibromochloromethane	ND	101	99	2.0	76	79	3.9	70 - 130	30	
Dichlorodifluoromethane	ND	104	101	2.9	89	95	6.5	70 - 130	30	
Ethylbenzene	ND	102	98	4.0	90	89	1.1	70 - 130	30	
Isopropylbenzene	ND	109	101	7.6	93	93	0.0	70 - 130	30	
m&p-Xylene	ND	98	92	6.3	87	87	0.0	70 - 130	30	
Methyl ethyl ketone	ND	106	113	6.4	82	80	2.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	111	103	7.5	82	84	2.4	70 - 130	30	
Methylacetate	ND	130	130	0.0	166	162	2.4	70 - 130	30	m
Methylcyclohexane	ND	108	106	1.9	103	103	0.0	70 - 130	30	
Methylene chloride	ND	109	105	3.7	88	90	2.2	70 - 130	30	
o-Xylene	ND	103	100	3.0	91	91	0.0	70 - 130	30	
Styrene	ND	101	96	5.1	90	90	0.0	70 - 130	30	
Tetrachloroethene	ND	87	83	4.7	79	77	2.6	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Toluene	ND	115	110	4.4	99	100	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	114	109	4.5	94	96	2.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	122	120	1.7	97	96	1.0	70 - 130	30	
Trichloroethene	ND	99	98	1.0	87	88	1.1	70 - 130	30	
Trichlorofluoromethane	ND	104	101	2.9	19	18	5.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	113	110	2.7	86	88	2.3	70 - 130	30	
Vinyl chloride	ND	116	112	3.5	121	123	1.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	94	103	99	4.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	102	111	107	3.7	111	110	0.9	70 - 130	30	
% Dibromofluoromethane	93	94	92	2.2	92	94	2.2	70 - 130	30	
% Toluene-d8	96	109	109	0.0	109	108	0.9	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301096, QC Sample No: BH80067 (BH79489 (50X))

Volatiles (TCL) - Soil

1,1,1-Trichloroethane	ND	106	114	7.3	92			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	117	9.9	89			70 - 130	30	
1,1,2-Trichloroethane	ND	108	117	8.0	97			70 - 130	30	
1,1-Dichloroethane	ND	102	109	6.6	88			70 - 130	30	
1,1-Dichloroethene	ND	108	118	8.8	55			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	107	114	6.3	88			70 - 130	30	
1,2,4-Trichlorobenzene	ND	108	115	6.3	91			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	97	111	13.5	83			70 - 130	30	
1,2-Dibromoethane	ND	108	116	7.1	97			70 - 130	30	
1,2-Dichlorobenzene	ND	107	115	7.2	96			70 - 130	30	
1,2-Dichloroethane	ND	102	111	8.5	89			70 - 130	30	
1,2-Dichloropropane	ND	107	115	7.2	94			70 - 130	30	
1,3-Dichlorobenzene	ND	107	114	6.3	97			70 - 130	30	
1,4-Dichlorobenzene	ND	108	115	6.3	97			70 - 130	30	
1,4-dioxane	ND	106	119	11.6	89			70 - 130	30	
2-Hexanone	ND	93	105	12.1	81			70 - 130	30	
4-Methyl-2-pentanone	ND	100	113	12.2	89			70 - 130	30	
Acetone	ND	94	104	10.1	63			70 - 130	30	m
Benzene	ND	107	114	6.3	95			70 - 130	30	
Bromochloromethane	ND	106	116	9.0	93			70 - 130	30	
Bromodichloromethane	ND	108	117	8.0	90			70 - 130	30	
Bromoform	ND	102	112	9.3	85			70 - 130	30	
Bromomethane	ND	96	107	10.8	60			70 - 130	30	m
Carbon Disulfide	ND	105	113	7.3	51			70 - 130	30	m
Carbon tetrachloride	ND	107	112	4.6	96			70 - 130	30	
Chlorobenzene	ND	108	114	5.4	>200			70 - 130	30	m
Chloroethane	ND	85	89	4.6	23			70 - 130	30	m
Chloroform	ND	101	109	7.6	90			70 - 130	30	
Chloromethane	ND	84	93	10.2	89			70 - 130	30	
cis-1,2-Dichloroethene	ND	102	110	7.5	90			70 - 130	30	
cis-1,3-Dichloropropene	ND	110	117	6.2	92			70 - 130	30	
Cyclohexane	ND	97	105	7.9	93			70 - 130	30	
Dibromochloromethane	ND	108	117	8.0	88			70 - 130	30	
Dichlorodifluoromethane	ND	89	94	5.5	83			70 - 130	30	
Ethylbenzene	ND	108	115	6.3	92			70 - 130	30	
Isopropylbenzene	ND	105	110	4.7	96			70 - 130	30	
m&p-Xylene	ND	109	115	5.4	97			70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl ethyl ketone	ND	94	106	12.0	79			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	106	114	7.3	86			70 - 130	30	
Methylacetate	ND	93	107	14.0	75			70 - 130	30	
Methylcyclohexane	ND	107	113	5.5	95			70 - 130	30	
Methylene chloride	ND	86	92	6.7	72			70 - 130	30	
o-Xylene	ND	108	115	6.3	97			70 - 130	30	
Styrene	ND	107	113	5.5	95			70 - 130	30	
Tetrachloroethene	ND	111	119	7.0	102			70 - 130	30	
Toluene	ND	108	115	6.3	97			70 - 130	30	
trans-1,2-Dichloroethene	ND	112	118	5.2	93			70 - 130	30	
trans-1,3-Dichloropropene	ND	111	119	7.0	92			70 - 130	30	
Trichloroethene	ND	110	117	6.2	100			70 - 130	30	
Trichlorofluoromethane	ND	101	109	7.6	20			70 - 130	30	m
Trichlorotrifluoroethane	ND	110	119	7.9	61			70 - 130	30	m
Vinyl chloride	ND	93	102	9.2	90			70 - 130	30	
% 1,2-dichlorobenzene-d4	98	100	100	0.0	99			70 - 130	30	
% Bromofluorobenzene	92	102	101	1.0	99			70 - 130	30	
% Dibromofluoromethane	100	100	104	3.9	102			70 - 130	30	
% Toluene-d8	99	101	102	1.0	100			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 16, 2015

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79483	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	62	81	50	50	ug/kg
BH79483	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5600	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5600	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6000	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	560	3900	3900	ug/Kg
BH79483	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6000	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	7700	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	7700	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7700	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2500	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	560	800	800	ug/Kg
BH79483	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5800	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	560	1000	1000	ug/Kg
BH79483	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	560	500	500	ug/Kg
BH79483	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	560	500	500	ug/Kg
BH79483	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	560	500	500	ug/Kg
BH79483	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	790	560	330	330	ug/Kg
BH79483	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	790	560	330	330	ug/Kg
BH79483	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	790	560	330	330	ug/Kg
BH79483	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	43.1	0.37	30		mg/Kg
BH79483	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	180	3.7	63	63	mg/Kg
BH79483	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	258	3.7	109	109	mg/Kg
BH79484	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	250	81	50	50	ug/kg
BH79484	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Residential	1100	410	1000	1000	ug/Kg
BH79484	$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1100	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	36.5	0.39	30		mg/Kg
BH79484	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	150	3.9	50	50	mg/kg
BH79484	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.34	0.03	0.18	0.18	mg/Kg
BH79484	PB-SM	Lead	NY / 375-6.8 Metals / Residential	419	3.9	400	400	mg/Kg
BH79484	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	419	3.9	400	400	mg/Kg
BH79484	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	419	3.9	63	63	mg/Kg
BH79484	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	342	3.9	109	109	mg/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79485	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	220	81	50	50	ug/kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	25.1	1.0	16	16	mg/Kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	25.1	1.0	16	16	mg/Kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	25.1	1.0	13	13	mg/Kg
BH79485	BA-SM	Barium	NY / 375-6.8 Metals / Residential	1120	0.51	350	350	mg/Kg
BH79485	BA-SM	Barium	NY / 375-6.8 Metals / Residential Restricted	1120	0.51	400	400	mg/Kg
BH79485	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1120	0.51	350	350	mg/Kg
BH79485	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.12	0.51	2.5	2.5	mg/Kg
BH79485	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.12	0.51	2.5	2.5	mg/Kg
BH79485	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	82.0	0.51	30		mg/Kg
BH79485	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	69.0	0.51	50	50	mg/kg
BH79485	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.29	0.04	0.18	0.18	mg/Kg
BH79485	PB-SM	Lead	NY / 375-6.8 Metals / Residential	589	5.1	400	400	mg/Kg
BH79485	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	589	5.1	400	400	mg/Kg
BH79485	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	589	5.1	63	63	mg/Kg
BH79485	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	216	5.1	109	109	mg/Kg
BH79486	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	530	1000	1000	ug/Kg
BH79486	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	530	1000	1000	ug/Kg
BH79486	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	60.7	0.36	50	50	mg/kg
BH79487	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	61	81	50	50	ug/kg
BH79487	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2200	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2300	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2900	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	530	800	800	ug/Kg
BH79487	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2000	530	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79487	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	530	1000	1000	ug/Kg
BH79487	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	530	1000	1000	ug/Kg
BH79488	$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BH79488	$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BH79488	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	4500	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	4800	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	4800	1300	3900	3900	ug/Kg
BH79488	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4800	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5900	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5900	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5900	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	1300	800	800	ug/Kg
BH79488	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	4000	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	1300	1000	1000	ug/Kg
BH79488	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	500	500	ug/Kg
BH79488	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	500	500	ug/Kg
BH79488	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	500	500	ug/Kg
BH79488	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	330	330	ug/Kg
BH79488	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	330	330	ug/Kg
BH79488	$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BH79488	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	190	76	100	100	ug/Kg
BH79488	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	57.7	0.35	50	50	mg/kg
BH79488	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.03	0.18	0.18	mg/Kg
BH79489	$8260_TCL_SM	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1800	8.1	60	60	ug/kg
BH79489	$8260_TCL_SM	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1200	8.1	1000	1000	ug/kg
BH79489	$8260_TCL_SM	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4500	8.1	260	260	ug/kg
BH79489	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	810	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79489	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	810	1000	1000	ug/Kg
BH79489	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	660	500	500	500	ug/Kg
BH79489	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	660	500	500	500	ug/Kg
BH79489	$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	660	500	500	500	ug/Kg
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential	ND	17000	9800	9800	ug/kg
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential Restricted	ND	17000	13000	13000	ug/kg
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	17000	100	100	ug/kg
BH79489	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	130	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	120	100	100	ug/Kg
BH79489	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	5.10	0.58	2	2	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	17.1	1.2	16	16	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	17.1	1.2	16	16	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	17.1	1.2	13	13	mg/Kg
BH79489	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.25	0.58	2.5	2.5	mg/Kg
BH79489	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.25	0.58	2.5	2.5	mg/Kg
BH79489	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	84.7	0.58	30		mg/Kg
BH79489	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	90.9	0.58	50	50	mg/kg
BH79489	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.57	0.05	0.18	0.18	mg/Kg
BH79489	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	35.0	0.58	30	30	mg/Kg
BH79489	PB-SM	Lead	NY / 375-6.8 Metals / Residential	570	5.8	400	400	mg/Kg
BH79489	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	570	5.8	400	400	mg/Kg
BH79489	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	570	5.8	63	63	mg/Kg
BH79489	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	677	5.8	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 16, 2015

SDG I.D.: GBH79483

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to: JT

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RCoffin Date: 3/3/15

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA ☒ Methanol [ ] S. Bisulfate ☒ H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 1500ml [ ] 1000ml	PL H2SO4 [ ] 1250ml [ ] 1500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
79483	TB-3(2-4)	S	3/3/15	11:00								3	2							
79484	TB-4(24-26)		3/3/15	2:00																
79485	TB-4(30-32)		3/3/15	2:00																
79486	TB-9(2-4)		3/2/15	12:00																
79487	TB-9(7-9)		3/2/15	12:00																
79488	TB-10(4-6)		3/2/15	3:00																
79489	TB-10(32-34)		3/3/15	10:00																

Relinquished by:	Accepted by:	Date:	Time:
		3-4-15	11:50
		3/4/15	16:20

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Monday, May 04, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Sample ID#s: BH79483 - BH79489

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
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NY # 11301

SDG Comments

May 04, 2015

SDG I.D.: GBH79483

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms. PCB analysis comments: BH79489 (TB-10 (32-34)) PCB 1260 result has changed from 130 to 110 ug/kg.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: HydroEnvironmental Solutions, Inc.

Project: 109 MARBLEDALE RD., TUCKAHOE, NY

Laboratory Project: GBH79483

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

May 04, 2015 **SDG I.D.: GBH79483**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

Methodology Summary

Volatiles

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update V, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

May 04, 2015 **SDG I.D.: GBH79483**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

Sample Id Cross Reference

Client Id	Lab Id	Matrix
TB-3 (2-4)	BH79483	SOIL
TB-4 (24-26)	BH79484	SOIL
TB-4 (30-32)	BH79485	SOIL
TB-9 (2-4)	BH79486	SOIL
TB-9 (7-9)	BH79487	SOIL
TB-10 (4-6)	BH79488	SOIL
TB-10 (32-34)	BH79489	SOIL

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NY Analytical Services Protocol Format

May 04, 2015 **SDG I.D.: GBH79483**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BH79483	1,4-dioxane	03/03/15	03/05/15	03/05/15	JLI	Y
BH79483	Aluminum	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Antimony	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Arsenic	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Barium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Beryllium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Cadmium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Calcium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Chromium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Cobalt	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Copper	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Iron	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Lead	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Magnesium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Manganese	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Mercury	03/03/15	03/05/15	03/05/15	MA	Y
BH79483	Nickel	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Polychlorinated Biphenyls	03/03/15	03/04/15	03/05/15	AW	Y
BH79483	Potassium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Selenium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Semivolatiles	03/03/15	03/04/15	03/05/15	DD	Y
BH79483	Silver	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Sodium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Thallium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Total Cyanide (SW9010C Distillation)	03/03/15	03/04/15	03/04/15	O/B/E	Y
BH79483	Vanadium	03/03/15	03/04/15	03/05/15	LK	Y
BH79483	Volatiles	03/03/15	03/05/15	03/05/15	JLI	Y
BH79483	Zinc	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	1,4-dioxane	03/03/15	03/05/15	03/05/15	JLI	Y
BH79484	Aluminum	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Antimony	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Arsenic	03/03/15	03/04/15	03/05/15	LK	Y

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

May 04, 2015 **SDG I.D.: GBH79483**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

BH79484	Barium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Beryllium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Cadmium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Calcium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Chromium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Cobalt	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Copper	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Iron	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Lead	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Magnesium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Manganese	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Mercury	03/03/15	03/05/15	03/05/15	MA	Y
BH79484	Nickel	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Polychlorinated Biphenyls	03/03/15	03/04/15	03/06/15	AW	Y
BH79484	Potassium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Selenium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Semivolatiles	03/03/15	03/04/15	03/05/15	DD	Y
BH79484	Silver	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Sodium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Thallium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Total Cyanide (SW9010C Distillation)	03/03/15	03/04/15	03/04/15	O/B/E	Y
BH79484	Vanadium	03/03/15	03/04/15	03/05/15	LK	Y
BH79484	Volatiles	03/03/15	03/05/15	03/05/15	JLI	Y
BH79484	Zinc	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	1,4-dioxane	03/03/15	03/05/15	03/05/15	JLI	Y
BH79485	Aluminum	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Antimony	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Arsenic	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Barium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Beryllium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Cadmium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Calcium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Chromium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Cobalt	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Copper	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Iron	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Lead	03/03/15	03/04/15	03/05/15	LK	Y

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NY Analytical Services Protocol Format

May 04, 2015 **SDG I.D.: GBH79483**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

BH79485	Magnesium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Manganese	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Mercury	03/03/15	03/05/15	03/05/15	MA	Y
BH79485	Nickel	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Polychlorinated Biphenyls	03/03/15	03/04/15	03/06/15	AW	Y
BH79485	Potassium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Selenium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Semivolatiles	03/03/15	03/04/15	03/05/15	DD	Y
BH79485	Silver	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Sodium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Thallium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Total Cyanide (SW9010C Distillation)	03/03/15	03/04/15	03/04/15	O/B/E	Y
BH79485	Vanadium	03/03/15	03/04/15	03/05/15	LK	Y
BH79485	Volatiles	03/03/15	03/05/15	03/05/15	JLI	Y
BH79485	Zinc	03/03/15	03/04/15	03/05/15	LK	Y
BH79486	1,4-dioxane	03/02/15	03/05/15	03/05/15	JLI	Y
BH79486	Aluminum	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Antimony	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Arsenic	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Barium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Beryllium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Cadmium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Calcium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Chromium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Cobalt	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Copper	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Iron	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Lead	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Magnesium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Manganese	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Mercury	03/02/15	03/05/15	03/05/15	MA	Y
BH79486	Nickel	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Polychlorinated Biphenyls	03/02/15	03/04/15	03/05/15	AW	Y
BH79486	Potassium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Selenium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Semivolatiles	03/02/15	03/04/15	03/05/15	DD	Y
BH79486	Silver	03/02/15	03/04/15	03/05/15	LK	Y

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HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

BH79486	Sodium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Thallium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Total Cyanide (SW9010C Distillation)	03/02/15	03/04/15	03/04/15	O/B/E	Y
BH79486	Vanadium	03/02/15	03/04/15	03/05/15	LK	Y
BH79486	Volatiles	03/02/15	03/05/15	03/05/15	JLI	Y
BH79486	Zinc	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	1,4-dioxane	03/02/15	03/05/15	03/05/15	JLI	Y
BH79487	Aluminum	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Antimony	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Arsenic	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Barium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Beryllium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Cadmium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Calcium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Chromium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Cobalt	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Copper	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Iron	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Lead	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Magnesium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Manganese	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Mercury	03/02/15	03/05/15	03/05/15	MA	Y
BH79487	Nickel	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Polychlorinated Biphenyls	03/02/15	03/04/15	03/05/15	KCA	Y
BH79487	Potassium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Selenium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Semivolatiles	03/02/15	03/04/15	03/05/15	DD	Y
BH79487	Silver	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Sodium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Thallium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Total Cyanide (SW9010C Distillation)	03/02/15	03/04/15	03/04/15	O/B/E	Y
BH79487	Vanadium	03/02/15	03/04/15	03/05/15	LK	Y
BH79487	Volatiles	03/02/15	03/05/15	03/05/15	JLI	Y
BH79487	Zinc	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	1,4-dioxane	03/02/15	03/05/15	03/05/15	JLI	Y
BH79488	Aluminum	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Antimony	03/02/15	03/04/15	03/05/15	LK	Y

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HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

BH79488	Arsenic	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Barium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Beryllium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Cadmium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Calcium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Chromium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Cobalt	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Copper	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Iron	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Lead	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Magnesium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Manganese	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Mercury	03/02/15	03/05/15	03/05/15	MA	Y
BH79488	Nickel	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Polychlorinated Biphenyls	03/02/15	03/04/15	03/06/15	AW	Y
BH79488	Potassium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Selenium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Semivolatiles	03/02/15	03/04/15	03/05/15	DD	Y
BH79488	Silver	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Sodium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Thallium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Total Cyanide (SW9010C Distillation)	03/02/15	03/04/15	03/04/15	O/B/E	Y
BH79488	Vanadium	03/02/15	03/04/15	03/05/15	LK	Y
BH79488	Volatiles	03/02/15	03/05/15	03/05/15	JLI	Y
BH79488	Zinc	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	1,4-dioxane	03/02/15	03/06/15	03/06/15	JLI	Y
BH79489	Aluminum	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Antimony	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Arsenic	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Barium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Beryllium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Cadmium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Calcium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Chromium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Cobalt	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Copper	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Iron	03/02/15	03/04/15	03/05/15	LK	Y

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May 04, 2015 **SDG I.D.: GBH79483**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

BH79489	Lead	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Magnesium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Manganese	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Mercury	03/02/15	03/05/15	03/05/15	MA	Y
BH79489	Nickel	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Polychlorinated Biphenyls	03/02/15	03/04/15	03/10/15	AW	Y
BH79489	Potassium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Selenium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Semivolatiles	03/02/15	03/04/15	03/05/15	DD	Y
BH79489	Silver	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Sodium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Thallium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Total Cyanide (SW9010C Distillation)	03/02/15	03/04/15	03/04/15	O/B/E	Y
BH79489	Vanadium	03/02/15	03/04/15	03/05/15	LK	Y
BH79489	Volatiles	03/02/15	03/06/15	03/06/15	JLI	Y
BH79489	Zinc	03/02/15	03/04/15	03/05/15	LK	Y

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Analysis Report

May 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	11:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79483

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37		0.37	0.37	mg/Kg	1	03/05/15	LK	SW6010C
Aluminum	15000		37	7.4	mg/Kg	10	03/05/15	LK	SW6010C
Arsenic	4.3		0.7	0.74	mg/Kg	1	03/05/15	LK	SW6010C
Barium	155		0.7	0.37	mg/Kg	1	03/05/15	LK	SW6010C
Beryllium	0.46		0.30	0.15	mg/Kg	1	03/05/15	LK	SW6010C
Calcium	13100		37	34	mg/Kg	10	03/05/15	LK	SW6010C
Cadmium	< 0.37		0.37	0.15	mg/Kg	1	03/05/15	LK	SW6010C
Cobalt	12.9		0.37	0.37	mg/Kg	1	03/05/15	LK	SW6010C
Chromium	43.1		0.37	0.37	mg/Kg	1	03/05/15	LK	SW6010C
Copper	34.1		0.37	0.37	mg/kg	1	03/05/15	LK	SW6010C
Iron	24300		37	37	mg/Kg	10	03/05/15	LK	SW6010C
Mercury	0.06		0.03	0.02	mg/Kg	1	03/05/15	MA	SW7471B
Potassium	2360	N	7	2.9	mg/Kg	1	03/05/15	LK	SW6010C
Magnesium	9350		37	37	mg/Kg	10	03/05/15	LK	SW6010C
Manganese	404		3.7	3.7	mg/Kg	10	03/05/15	LK	SW6010C
Sodium	158	N	7	3.2	mg/Kg	1	03/05/15	LK	SW6010C
Nickel	28.1		0.37	0.37	mg/Kg	1	03/05/15	LK	SW6010C
Lead	180		7.4	3.7	mg/Kg	10	03/05/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	03/05/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	03/05/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/05/15	LK	SW6010C
Vanadium	62.5		0.4	0.37	mg/Kg	1	03/05/15	LK	SW6010C
Zinc	258		7.4	3.7	mg/Kg	10	03/05/15	LK	SW6010C
Percent Solid	82				%		03/04/15	I	SW846-%Solid
Total Cyanide	< 0.55		0.55	0.28	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Phoenix I.D.: BH79483

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1221	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1232	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1242	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1248	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1254	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1260	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1262	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1268	ND		79	79	ug/Kg	2	03/05/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	91				%	2	03/05/15	AW	30 - 150 %
% TCMX	66				%	2	03/05/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		96	96	ug/kg	1	03/05/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
2-Hexanone	ND		24	4.8	ug/Kg	1	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		24	4.8	ug/Kg	1	03/05/15	JLI	SW8260C
Acetone	62	S	48	4.8	ug/Kg	1	03/05/15	JLI	SW8260C
Benzene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Bromochloromethane	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Bromodichloromethane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Bromoform	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Bromomethane	ND		4.8	1.9	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon Disulfide	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Chlorobenzene	ND		20	20	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroethane	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroform	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Chloromethane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Dibromochloromethane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Ethylbenzene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Isopropylbenzene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
m&p-Xylene	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl ethyl ketone	14	J	29	4.8	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		9.6	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Methylacetate	ND		4.8	2.4	ug/Kg	1	03/05/15	JLI	SW8260C
Methylcyclohexane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Methylene chloride	ND		4.8	4.8	ug/Kg	1	03/05/15	JLI	SW8260C
o-Xylene	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Styrene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Tetrachloroethene	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Toluene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Total Xylenes	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Trichloroethene	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND		4.8	0.96	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
Vinyl chloride	ND		4.8	0.48	ug/Kg	1	03/05/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	1	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	90				%	1	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99				%	1	03/05/15	JLI	70 - 130 %
% Toluene-d8	96				%	1	03/05/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		560	250	ug/Kg	2	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		560	280	ug/Kg	2	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		560	380	ug/Kg	2	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		560	440	ug/Kg	2	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		320	260	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND		320	280	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND		560	200	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND		560	560	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND		320	320	ug/Kg	2	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND		320	250	ug/Kg	2	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND		560	230	ug/Kg	2	03/05/15	DD	SW8270D
2-Chlorophenol	ND		560	230	ug/Kg	2	03/05/15	DD	SW8270D
2-Methylnaphthalene	690		560	240	ug/Kg	2	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		560	380	ug/Kg	2	03/05/15	DD	SW8270D
2-Nitroaniline	ND		4000	810	ug/Kg	2	03/05/15	DD	SW8270D
2-Nitrophenol	ND		560	510	ug/Kg	2	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		560	320	ug/Kg	2	03/05/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		320	320	ug/Kg	2	03/05/15	DD	SW8270D
3-Nitroaniline	ND		4000	1800	ug/Kg	2	03/05/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		560	560	ug/Kg	2	03/05/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		560	240	ug/Kg	2	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Phoenix I.D.: BH79483

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		560	280	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chloroaniline	ND		1600	380	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		560	270	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitroaniline	ND		4000	270	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitrophenol	ND		4000	360	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthene	250	J	560	240	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthylene	810		320	230	ug/Kg	2	03/05/15	DD	SW8270D	
Acetophenone	ND		560	250	ug/Kg	2	03/05/15	DD	SW8270D	
Anthracene	1500		560	260	ug/Kg	2	03/05/15	DD	SW8270D	
Atrazine	ND		320	320	ug/Kg	2	03/05/15	DD	SW8270D	
Benz(a)anthracene	5600		560	270	ug/Kg	2	03/05/15	DD	SW8270D	
Benzaldehyde	ND		560	240	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(a)pyrene	5800		320	260	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	7700		560	280	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	2900		560	260	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	2500		560	270	ug/Kg	2	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND		560	210	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		560	220	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		320	220	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		560	220	ug/Kg	2	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	780		560	230	ug/Kg	2	03/05/15	DD	SW8270D	
Caprolactam	ND		560	560	ug/Kg	2	03/05/15	DD	SW8270D	
Carbazole	ND		4000	610	ug/Kg	2	03/05/15	DD	SW8270D	
Chrysene	6000		560	270	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	790		320	260	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenzofuran	ND		560	240	ug/Kg	2	03/05/15	DD	SW8270D	
Diethyl phthalate	ND		560	250	ug/Kg	2	03/05/15	DD	SW8270D	
Dimethylphthalate	ND		560	250	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND		560	210	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND		560	210	ug/Kg	2	03/05/15	DD	SW8270D	
Fluoranthene	7100		560	260	ug/Kg	2	03/05/15	DD	SW8270D	
Fluorene	430	J	560	270	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND		320	240	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND		560	290	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		560	250	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachloroethane	ND		320	240	ug/Kg	2	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	2700		560	270	ug/Kg	2	03/05/15	DD	SW8270D	
Isophorone	ND		320	230	ug/Kg	2	03/05/15	DD	SW8270D	
Naphthalene	720		560	230	ug/Kg	2	03/05/15	DD	SW8270D	
Nitrobenzene	ND		320	280	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		560	230	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		320	260	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		320	310	ug/Kg	2	03/05/15	DD	SW8270D	
Pentachlorophenol	ND		560	300	ug/Kg	2	03/05/15	DD	SW8270D	
Phenanthrene	4100		320	230	ug/Kg	2	03/05/15	DD	SW8270D	
Phenol	480	J	560	260	ug/Kg	2	03/05/15	DD	SW8270D	
Pyrene	5800		560	280	ug/Kg	2	03/05/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	81				%	2	03/05/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-3 (2-4)

Phoenix I.D.: BH79483

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	71			%	2	03/05/15	DD	30 - 115 %
% 2-Fluorophenol	67			%	2	03/05/15	DD	25 - 121 %
% Nitrobenzene-d5	70			%	2	03/05/15	DD	23 - 120 %
% Phenol-d5	66			%	2	03/05/15	DD	24 - 113 %
% Terphenyl-d14	55			%	2	03/05/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 04, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	14:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79484

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39		0.39	0.39	mg/Kg	1	03/05/15	LK	SW6010C
Aluminum	8790		39	7.7	mg/Kg	10	03/05/15	LK	SW6010C
Arsenic	12.0		0.8	0.77	mg/Kg	1	03/05/15	LK	SW6010C
Barium	104		0.8	0.39	mg/Kg	1	03/05/15	LK	SW6010C
Beryllium	< 0.31		0.31	0.15	mg/Kg	1	03/05/15	LK	SW6010C
Calcium	21600		39	36	mg/Kg	10	03/05/15	LK	SW6010C
Cadmium	1.15		0.39	0.15	mg/Kg	1	03/05/15	LK	SW6010C
Cobalt	9.44		0.39	0.39	mg/Kg	1	03/05/15	LK	SW6010C
Chromium	36.5		0.39	0.39	mg/Kg	1	03/05/15	LK	SW6010C
Copper	150		3.9	3.9	mg/kg	10	03/05/15	LK	SW6010C
Iron	24900		39	39	mg/Kg	10	03/05/15	LK	SW6010C
Mercury	0.34		0.03	0.02	mg/Kg	1	03/05/15	MA	SW7471B
Potassium	1540	N	8	3.0	mg/Kg	1	03/05/15	LK	SW6010C
Magnesium	6890		39	39	mg/Kg	10	03/05/15	LK	SW6010C
Manganese	286		3.9	3.9	mg/Kg	10	03/05/15	LK	SW6010C
Sodium	354	N	8	3.3	mg/Kg	1	03/05/15	LK	SW6010C
Nickel	28.6		0.39	0.39	mg/Kg	1	03/05/15	LK	SW6010C
Lead	419		7.7	3.9	mg/Kg	10	03/05/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	03/05/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	03/05/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/05/15	LK	SW6010C
Vanadium	56.4		0.4	0.39	mg/Kg	1	03/05/15	LK	SW6010C
Zinc	342		7.7	3.9	mg/Kg	10	03/05/15	LK	SW6010C
Percent Solid	79				%		03/04/15	I	SW846-%Solid
Total Cyanide	< 0.63		0.63	0.32	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Phoenix I.D.: BH79484

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		410	410	ug/Kg	10	03/06/15	AW	SW8082A
PCB-1221	ND		410	410	ug/Kg	10	03/06/15	AW	SW8082A
PCB-1232	ND		410	410	ug/Kg	10	03/06/15	AW	SW8082A
PCB-1242	ND		410	410	ug/Kg	10	03/06/15	AW	SW8082A
PCB-1248	ND		410	410	ug/Kg	10	03/06/15	AW	SW8082A
PCB-1254	ND		410	410	ug/Kg	10	03/06/15	AW	SW8082A
PCB-1260	1100		410	410	ug/Kg	10	03/06/15	AW	SW8082A
PCB-1262	ND		410	410	ug/Kg	10	03/06/15	AW	SW8082A
PCB-1268	ND		410	410	ug/Kg	10	03/06/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	120				%	10	03/06/15	AW	30 - 150 %
% TCMX	82				%	10	03/06/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	100	ug/kg	1	03/05/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		360	71	ug/Kg	25	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		360	71	ug/Kg	25	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		360	71	ug/Kg	25	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		360	36	ug/Kg	25	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		360	36	ug/Kg	25	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		360	36	ug/Kg	25	03/05/15	JLI	SW8260C
2-Hexanone	ND		41	8.1	ug/Kg	1	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		41	8.1	ug/Kg	1	03/05/15	JLI	SW8260C
Acetone	250	S	81	8.1	ug/Kg	1	03/05/15	JLI	SW8260C
Benzene	2.2	J	8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Bromochloromethane	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Bromodichloromethane	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Bromoform	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Bromomethane	ND		8.1	3.2	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon Disulfide	5.7	J	8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Chlorobenzene	ND		360	360	ug/Kg	25	03/05/15	JLI	SW8260C
Chloroethane	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroform	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Chloromethane	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	0.96	J	8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Dibromochloromethane	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	1.7	J	8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Ethylbenzene	2.2	J	8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Isopropylbenzene	ND		360	36	ug/Kg	25	03/05/15	JLI	SW8260C
m&p-Xylene	5.6	J	8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl ethyl ketone	110		49	8.1	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		16	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Methylacetate	ND		8.1	4.1	ug/Kg	1	03/05/15	JLI	SW8260C
Methylcyclohexane	13		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Methylene chloride	ND		8.1	8.1	ug/Kg	1	03/05/15	JLI	SW8260C
o-Xylene	1.8	J	8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Styrene	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Tetrachloroethene	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Toluene	2.1	J	8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Total Xylenes	ND		8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Trichloroethene	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorofluoromethane	2.4	J	8.1	1.6	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
Vinyl chloride	ND		8.1	0.81	ug/Kg	1	03/05/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	25	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	101				%	25	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99				%	1	03/05/15	JLI	70 - 130 %
% Toluene-d8	86				%	1	03/05/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		590	260	ug/Kg	2	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		590	300	ug/Kg	2	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		590	390	ug/Kg	2	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		590	460	ug/Kg	2	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		340	270	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND		340	300	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND		590	210	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND		590	590	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND		340	330	ug/Kg	2	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND		340	260	ug/Kg	2	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND		590	240	ug/Kg	2	03/05/15	DD	SW8270D
2-Chlorophenol	ND		590	240	ug/Kg	2	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND		590	250	ug/Kg	2	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		590	390	ug/Kg	2	03/05/15	DD	SW8270D
2-Nitroaniline	ND		4200	850	ug/Kg	2	03/05/15	DD	SW8270D
2-Nitrophenol	ND		590	530	ug/Kg	2	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		590	330	ug/Kg	2	03/05/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		340	340	ug/Kg	2	03/05/15	DD	SW8270D
3-Nitroaniline	ND		4200	1800	ug/Kg	2	03/05/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		590	590	ug/Kg	2	03/05/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		590	250	ug/Kg	2	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Phoenix I.D.: BH79484

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		590	300	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chloroaniline	ND		1700	390	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		590	280	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitroaniline	ND		4200	280	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitrophenol	ND		4200	380	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthene	ND		590	250	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthylene	ND		340	230	ug/Kg	2	03/05/15	DD	SW8270D	
Acetophenone	ND		590	260	ug/Kg	2	03/05/15	DD	SW8270D	
Anthracene	ND		590	270	ug/Kg	2	03/05/15	DD	SW8270D	
Atrazine	ND		340	340	ug/Kg	2	03/05/15	DD	SW8270D	
Benz(a)anthracene	520	J	590	280	ug/Kg	2	03/05/15	DD	SW8270D	
Benzaldehyde	ND		590	250	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(a)pyrene	480		340	270	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	790		590	290	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	330	J	590	270	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	300	J	590	280	ug/Kg	2	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND		590	220	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		590	230	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		340	230	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		590	230	ug/Kg	2	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	3600		590	240	ug/Kg	2	03/05/15	DD	SW8270D	
Caprolactam	ND		590	590	ug/Kg	2	03/05/15	DD	SW8270D	
Carbazole	ND		4200	640	ug/Kg	2	03/05/15	DD	SW8270D	
Chrysene	730		590	280	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		340	270	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenzofuran	ND		590	240	ug/Kg	2	03/05/15	DD	SW8270D	
Diethyl phthalate	ND		590	260	ug/Kg	2	03/05/15	DD	SW8270D	
Dimethylphthalate	ND		590	260	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND		590	220	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND		590	220	ug/Kg	2	03/05/15	DD	SW8270D	
Fluoranthene	850		590	270	ug/Kg	2	03/05/15	DD	SW8270D	
Fluorene	ND		590	280	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND		340	240	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND		590	300	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		590	260	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachloroethane	ND		340	250	ug/Kg	2	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	310	J	590	280	ug/Kg	2	03/05/15	DD	SW8270D	
Isophorone	ND		340	230	ug/Kg	2	03/05/15	DD	SW8270D	
Naphthalene	ND		590	240	ug/Kg	2	03/05/15	DD	SW8270D	
Nitrobenzene	ND		340	290	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		590	240	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		340	270	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		340	320	ug/Kg	2	03/05/15	DD	SW8270D	
Pentachlorophenol	ND		590	320	ug/Kg	2	03/05/15	DD	SW8270D	
Phenanthrene	800		340	240	ug/Kg	2	03/05/15	DD	SW8270D	
Phenol	ND		590	270	ug/Kg	2	03/05/15	DD	SW8270D	
Pyrene	670		590	290	ug/Kg	2	03/05/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	76				%	2	03/05/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (24-26)

Phoenix I.D.: BH79484

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	63			%	2	03/05/15	DD	30 - 115 %
% 2-Fluorophenol	49			%	2	03/05/15	DD	25 - 121 %
% Nitrobenzene-d5	60			%	2	03/05/15	DD	23 - 120 %
% Phenol-d5	54			%	2	03/05/15	DD	24 - 113 %
% Terphenyl-d14	50			%	2	03/05/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 04, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/03/15	14:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79485

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.51		0.51	0.51	mg/Kg	1	03/05/15	LK	SW6010C
Aluminum	11300		51	10	mg/Kg	10	03/05/15	LK	SW6010C
Arsenic	25.1		1.0	1.0	mg/Kg	1	03/05/15	LK	SW6010C
Barium	1120		1.0	0.51	mg/Kg	1	03/05/15	LK	SW6010C
Beryllium	0.46		0.40	0.20	mg/Kg	1	03/05/15	LK	SW6010C
Calcium	5090		5.1	4.7	mg/Kg	1	03/05/15	LK	SW6010C
Cadmium	3.12		0.51	0.20	mg/Kg	1	03/05/15	LK	SW6010C
Cobalt	6.72		0.51	0.51	mg/Kg	1	03/05/15	LK	SW6010C
Chromium	82.0		0.51	0.51	mg/Kg	1	03/05/15	LK	SW6010C
Copper	69.0		0.51	0.51	mg/kg	1	03/05/15	LK	SW6010C
Iron	15500		51	51	mg/Kg	10	03/05/15	LK	SW6010C
Mercury	0.29		0.04	0.02	mg/Kg	1	03/05/15	MA	SW7471B
Potassium	1640	N	10	3.9	mg/Kg	1	03/05/15	LK	SW6010C
Magnesium	3580		5.1	5.1	mg/Kg	1	03/05/15	LK	SW6010C
Manganese	278		5.1	5.1	mg/Kg	10	03/05/15	LK	SW6010C
Sodium	229	N	10	4.4	mg/Kg	1	03/05/15	LK	SW6010C
Nickel	21.8		0.51	0.51	mg/Kg	1	03/05/15	LK	SW6010C
Lead	589		10	5.1	mg/Kg	10	03/05/15	LK	SW6010C
Antimony	3.1		2.5	2.5	mg/Kg	1	03/05/15	LK	SW6010C
Selenium	< 2.0		2.0	1.7	mg/Kg	1	03/05/15	LK	SW6010C
Thallium	< 2.0		2.0	2.0	mg/Kg	1	03/05/15	LK	SW6010C
Vanadium	80.5		0.5	0.51	mg/Kg	1	03/05/15	LK	SW6010C
Zinc	216		10	5.1	mg/Kg	10	03/05/15	LK	SW6010C
Percent Solid	61				%		03/04/15	I	SW846-%Solid
Total Cyanide	< 0.82		0.82	0.41	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Phoenix I.D.: BH79485

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1221	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1232	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1242	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1248	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1254	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1260	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1262	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1268	ND		54	54	ug/Kg	2	03/06/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	46				%	2	03/06/15	AW	30 - 150 %
% TCMX	51				%	2	03/06/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	100	ug/kg	1	03/05/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		420	84	ug/Kg	28	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		420	84	ug/Kg	28	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		420	84	ug/Kg	28	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	55	JD	420	42	ug/Kg	28	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		420	42	ug/Kg	28	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		420	42	ug/Kg	28	03/05/15	JLI	SW8260C
2-Hexanone	ND		35	7.0	ug/Kg	1	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		35	7.0	ug/Kg	1	03/05/15	JLI	SW8260C
Acetone	220	S	70	7.0	ug/Kg	1	03/05/15	JLI	SW8260C
Benzene	3.0	J	7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Bromochloromethane	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Bromodichloromethane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Bromoform	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Bromomethane	ND		7.0	2.8	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon Disulfide	4.7	J	7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Chlorobenzene	ND		420	420	ug/Kg	28	03/05/15	JLI	SW8260C
Chloroethane	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroform	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Chloromethane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	1.4	J	7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Dibromochloromethane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Ethylbenzene	2.0	J	7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Isopropylbenzene	57	JD	420	42	ug/Kg	28	03/05/15	JLI	SW8260C
m&p-Xylene	6.1	J	7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl ethyl ketone	110		42	7.0	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	2.3	J	14	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Methylacetate	ND		7.0	3.5	ug/Kg	1	03/05/15	JLI	SW8260C
Methylcyclohexane	12		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Methylene chloride	ND		7.0	7.0	ug/Kg	1	03/05/15	JLI	SW8260C
o-Xylene	2.9	J	7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Styrene	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Tetrachloroethene	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Toluene	2.8	J	7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Total Xylenes	9.0		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Trichloroethene	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND		7.0	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Vinyl chloride	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94				%	28	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	100				%	28	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	105				%	1	03/05/15	JLI	70 - 130 %
% Toluene-d8	84				%	1	03/05/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		380	170	ug/Kg	1	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		380	190	ug/Kg	1	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		380	250	ug/Kg	1	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		380	300	ug/Kg	1	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		220	170	ug/Kg	1	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND		220	190	ug/Kg	1	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND		380	130	ug/Kg	1	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND		380	380	ug/Kg	1	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND		220	210	ug/Kg	1	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND		220	170	ug/Kg	1	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND		380	150	ug/Kg	1	03/05/15	DD	SW8270D
2-Chlorophenol	ND		380	150	ug/Kg	1	03/05/15	DD	SW8270D
2-Methylnaphthalene	180	J	380	160	ug/Kg	1	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		380	250	ug/Kg	1	03/05/15	DD	SW8270D
2-Nitroaniline	ND		2700	550	ug/Kg	1	03/05/15	DD	SW8270D
2-Nitrophenol	ND		380	340	ug/Kg	1	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	220	J	380	210	ug/Kg	1	03/05/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		220	220	ug/Kg	1	03/05/15	DD	SW8270D
3-Nitroaniline	ND		2700	1200	ug/Kg	1	03/05/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		380	380	ug/Kg	1	03/05/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	1	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Phoenix I.D.: BH79485

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		380	190	ug/Kg	1	03/05/15	DD	SW8270D	
4-Chloroaniline	ND		1100	250	ug/Kg	1	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		380	180	ug/Kg	1	03/05/15	DD	SW8270D	
4-Nitroaniline	ND		2700	180	ug/Kg	1	03/05/15	DD	SW8270D	
4-Nitrophenol	ND		2700	240	ug/Kg	1	03/05/15	DD	SW8270D	
Acenaphthene	ND		380	160	ug/Kg	1	03/05/15	DD	SW8270D	
Acenaphthylene	ND		220	150	ug/Kg	1	03/05/15	DD	SW8270D	
Acetophenone	ND		380	170	ug/Kg	1	03/05/15	DD	SW8270D	
Anthracene	ND		380	180	ug/Kg	1	03/05/15	DD	SW8270D	
Atrazine	ND		220	220	ug/Kg	1	03/05/15	DD	SW8270D	
Benz(a)anthracene	350	J	380	180	ug/Kg	1	03/05/15	DD	SW8270D	
Benzaldehyde	620		380	160	ug/Kg	1	03/05/15	DD	SW8270D	
Benzo(a)pyrene	300		220	180	ug/Kg	1	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	640		380	190	ug/Kg	1	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	ND		380	180	ug/Kg	1	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	210	J	380	180	ug/Kg	1	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND		380	140	ug/Kg	1	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		380	150	ug/Kg	1	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		220	150	ug/Kg	1	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		380	150	ug/Kg	1	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	3200		380	160	ug/Kg	1	03/05/15	DD	SW8270D	
Caprolactam	ND		380	380	ug/Kg	1	03/05/15	DD	SW8270D	
Carbazole	ND		2700	410	ug/Kg	1	03/05/15	DD	SW8270D	
Chrysene	640		380	180	ug/Kg	1	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		220	180	ug/Kg	1	03/05/15	DD	SW8270D	
Dibenzofuran	ND		380	160	ug/Kg	1	03/05/15	DD	SW8270D	
Diethyl phthalate	ND		380	170	ug/Kg	1	03/05/15	DD	SW8270D	
Dimethylphthalate	ND		380	170	ug/Kg	1	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND		380	140	ug/Kg	1	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND		380	140	ug/Kg	1	03/05/15	DD	SW8270D	
Fluoranthene	990		380	180	ug/Kg	1	03/05/15	DD	SW8270D	
Fluorene	ND		380	180	ug/Kg	1	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND		220	160	ug/Kg	1	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND		380	200	ug/Kg	1	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		380	170	ug/Kg	1	03/05/15	DD	SW8270D	
Hexachloroethane	ND		220	160	ug/Kg	1	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND		380	180	ug/Kg	1	03/05/15	DD	SW8270D	
Isophorone	ND		220	150	ug/Kg	1	03/05/15	DD	SW8270D	
Naphthalene	ND		380	160	ug/Kg	1	03/05/15	DD	SW8270D	
Nitrobenzene	ND		220	190	ug/Kg	1	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		380	150	ug/Kg	1	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		220	180	ug/Kg	1	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		220	210	ug/Kg	1	03/05/15	DD	SW8270D	
Pentachlorophenol	ND		380	200	ug/Kg	1	03/05/15	DD	SW8270D	
Phenanthrene	440		220	150	ug/Kg	1	03/05/15	DD	SW8270D	
Phenol	ND		380	170	ug/Kg	1	03/05/15	DD	SW8270D	
Pyrene	810		380	190	ug/Kg	1	03/05/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	92				%	1	03/05/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-4 (30-32)

Phoenix I.D.: BH79485

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	70			%	1	03/05/15	DD	30 - 115 %
% 2-Fluorophenol	60			%	1	03/05/15	DD	25 - 121 %
% Nitrobenzene-d5	66			%	1	03/05/15	DD	23 - 120 %
% Phenol-d5	64			%	1	03/05/15	DD	24 - 113 %
% Terphenyl-d14	68			%	1	03/05/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 04, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	12:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79486

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36		0.36	0.36	mg/Kg	1	03/05/15	LK	SW6010C
Aluminum	10600		36	7.2	mg/Kg	10	03/05/15	LK	SW6010C
Arsenic	3.3		0.7	0.72	mg/Kg	1	03/05/15	LK	SW6010C
Barium	79.1		0.7	0.36	mg/Kg	1	03/05/15	LK	SW6010C
Beryllium	0.34		0.29	0.14	mg/Kg	1	03/05/15	LK	SW6010C
Calcium	15600		36	33	mg/Kg	10	03/05/15	LK	SW6010C
Cadmium	< 0.36		0.36	0.14	mg/Kg	1	03/05/15	LK	SW6010C
Cobalt	9.57		0.36	0.36	mg/Kg	1	03/05/15	LK	SW6010C
Chromium	25.2		0.36	0.36	mg/Kg	1	03/05/15	LK	SW6010C
Copper	60.7		0.36	0.36	mg/kg	1	03/05/15	LK	SW6010C
Iron	20100		36	36	mg/Kg	10	03/05/15	LK	SW6010C
Mercury	0.04		0.03	0.02	mg/Kg	1	03/05/15	MA	SW7471B
Potassium	2340	N	7	2.8	mg/Kg	1	03/05/15	LK	SW6010C
Magnesium	6620		36	36	mg/Kg	10	03/05/15	LK	SW6010C
Manganese	279		3.6	3.6	mg/Kg	10	03/05/15	LK	SW6010C
Sodium	289	N	7	3.1	mg/Kg	1	03/05/15	LK	SW6010C
Nickel	20.3		0.36	0.36	mg/Kg	1	03/05/15	LK	SW6010C
Lead	52.5		0.7	0.36	mg/Kg	1	03/05/15	LK	SW6010C
Antimony	< 1.8		1.8	1.8	mg/Kg	1	03/05/15	LK	SW6010C
Selenium	< 1.4		1.4	1.2	mg/Kg	1	03/05/15	LK	SW6010C
Thallium	< 1.4		1.4	1.4	mg/Kg	1	03/05/15	LK	SW6010C
Vanadium	42.0		0.4	0.36	mg/Kg	1	03/05/15	LK	SW6010C
Zinc	71.0		0.7	0.36	mg/Kg	1	03/05/15	LK	SW6010C
Percent Solid	87				%		03/04/15	I	SW846-%Solid
Total Cyanide	< 0.48		0.48	0.24	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Phoenix I.D.: BH79486

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1221	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1232	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1242	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1248	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1254	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1260	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1262	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
PCB-1268	ND		74	74	ug/Kg	2	03/05/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	65				%	2	03/05/15	AW	30 - 150 %
% TCMX	68				%	2	03/05/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	100	ug/kg	1	03/05/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
2-Hexanone	ND		26	5.3	ug/Kg	1	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		26	5.3	ug/Kg	1	03/05/15	JLI	SW8260C
Acetone	23	JS	50	5.3	ug/Kg	1	03/05/15	JLI	SW8260C
Benzene	2.2	J	5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Bromochloromethane	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Bromodichloromethane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Bromoform	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Bromomethane	ND		5.3	2.1	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon Disulfide	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Chlorobenzene	ND		10	10	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroethane	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroform	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Chloromethane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Dibromochloromethane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	1.3	J	5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Ethylbenzene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Isopropylbenzene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
m&p-Xylene	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl ethyl ketone	ND		32	5.3	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Methylacetate	ND		5.3	2.6	ug/Kg	1	03/05/15	JLI	SW8260C
Methylcyclohexane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Methylene chloride	ND		5.3	5.3	ug/Kg	1	03/05/15	JLI	SW8260C
o-Xylene	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Styrene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Tetrachloroethene	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Toluene	0.91	J	5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Total Xylenes	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Trichloroethene	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.3	1.1	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
Vinyl chloride	ND		5.3	0.53	ug/Kg	1	03/05/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95				%	1	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	88				%	1	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	99				%	1	03/05/15	JLI	70 - 130 %
% Toluene-d8	91				%	1	03/05/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		530	230	ug/Kg	2	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		530	270	ug/Kg	2	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		530	360	ug/Kg	2	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		530	420	ug/Kg	2	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		310	240	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND		310	270	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND		530	190	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND		530	530	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND		310	300	ug/Kg	2	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND		310	240	ug/Kg	2	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D
2-Chlorophenol	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND		530	230	ug/Kg	2	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		530	360	ug/Kg	2	03/05/15	DD	SW8270D
2-Nitroaniline	ND		3800	770	ug/Kg	2	03/05/15	DD	SW8270D
2-Nitrophenol	ND		530	480	ug/Kg	2	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		530	300	ug/Kg	2	03/05/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		310	310	ug/Kg	2	03/05/15	DD	SW8270D
3-Nitroaniline	ND		3800	1700	ug/Kg	2	03/05/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		530	530	ug/Kg	2	03/05/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Phoenix I.D.: BH79486

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		530	270	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chloroaniline	ND		1500	360	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		530	260	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitroaniline	ND		3800	250	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitrophenol	ND		3800	340	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthene	ND		530	230	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthylene	ND		310	210	ug/Kg	2	03/05/15	DD	SW8270D	
Acetophenone	ND		530	240	ug/Kg	2	03/05/15	DD	SW8270D	
Anthracene	500	J	530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Atrazine	ND		310	310	ug/Kg	2	03/05/15	DD	SW8270D	
Benz(a)anthracene	1200		530	260	ug/Kg	2	03/05/15	DD	SW8270D	
Benzaldehyde	ND		530	230	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(a)pyrene	1200		310	250	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	1500		530	260	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	390	J	530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	600		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND		530	200	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		530	210	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		310	210	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		530	210	ug/Kg	2	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	770		530	220	ug/Kg	2	03/05/15	DD	SW8270D	
Caprolactam	ND		530	530	ug/Kg	2	03/05/15	DD	SW8270D	
Carbazole	ND		3800	580	ug/Kg	2	03/05/15	DD	SW8270D	
Chrysene	1200		530	260	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		310	250	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenzofuran	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D	
Diethyl phthalate	ND		530	240	ug/Kg	2	03/05/15	DD	SW8270D	
Dimethylphthalate	ND		530	240	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND		530	200	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND		530	200	ug/Kg	2	03/05/15	DD	SW8270D	
Fluoranthene	1900		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Fluorene	ND		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND		310	220	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND		530	280	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		530	230	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachloroethane	ND		310	230	ug/Kg	2	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	380	J	530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Isophorone	ND		310	210	ug/Kg	2	03/05/15	DD	SW8270D	
Naphthalene	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D	
Nitrobenzene	ND		310	270	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		310	250	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		310	290	ug/Kg	2	03/05/15	DD	SW8270D	
Pentachlorophenol	ND		530	290	ug/Kg	2	03/05/15	DD	SW8270D	
Phenanthrene	1700		310	220	ug/Kg	2	03/05/15	DD	SW8270D	
Phenol	ND		530	240	ug/Kg	2	03/05/15	DD	SW8270D	
Pyrene	1600		530	260	ug/Kg	2	03/05/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	81				%	2	03/05/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (2-4)

Phoenix I.D.: BH79486

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	74			%	2	03/05/15	DD	30 - 115 %
% 2-Fluorophenol	66			%	2	03/05/15	DD	25 - 121 %
% Nitrobenzene-d5	82			%	2	03/05/15	DD	23 - 120 %
% Phenol-d5	66			%	2	03/05/15	DD	24 - 113 %
% Terphenyl-d14	61			%	2	03/05/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 04, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	12:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79487

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40		0.40	0.40	mg/Kg	1	03/05/15	LK	SW6010C
Aluminum	8160		40	8.0	mg/Kg	10	03/05/15	LK	SW6010C
Arsenic	4.0		0.8	0.80	mg/Kg	1	03/05/15	LK	SW6010C
Barium	57.9		0.8	0.40	mg/Kg	1	03/05/15	LK	SW6010C
Beryllium	< 0.32		0.32	0.16	mg/Kg	1	03/05/15	LK	SW6010C
Calcium	62400		40	37	mg/Kg	10	03/05/15	LK	SW6010C
Cadmium	< 0.40		0.40	0.16	mg/Kg	1	03/05/15	LK	SW6010C
Cobalt	7.28		0.40	0.40	mg/Kg	1	03/05/15	LK	SW6010C
Chromium	26.0		0.40	0.40	mg/Kg	1	03/05/15	LK	SW6010C
Copper	28.0		0.40	0.40	mg/kg	1	03/05/15	LK	SW6010C
Iron	13600		40	40	mg/Kg	10	03/05/15	LK	SW6010C
Mercury	0.05		0.03	0.02	mg/Kg	1	03/05/15	MA	SW7471B
Potassium	1860	N	8	3.1	mg/Kg	1	03/05/15	LK	SW6010C
Magnesium	30000		40	40	mg/Kg	10	03/05/15	LK	SW6010C
Manganese	208		4.0	4.0	mg/Kg	10	03/05/15	LK	SW6010C
Sodium	321	N	8	3.4	mg/Kg	1	03/05/15	LK	SW6010C
Nickel	16.3		0.40	0.40	mg/Kg	1	03/05/15	LK	SW6010C
Lead	40.6		0.8	0.40	mg/Kg	1	03/05/15	LK	SW6010C
Antimony	< 2.0		2.0	2.0	mg/Kg	1	03/05/15	LK	SW6010C
Selenium	< 1.6		1.6	1.4	mg/Kg	1	03/05/15	LK	SW6010C
Thallium	< 1.6		1.6	1.6	mg/Kg	1	03/05/15	LK	SW6010C
Vanadium	36.5		0.4	0.40	mg/Kg	1	03/05/15	LK	SW6010C
Zinc	48.1		0.8	0.40	mg/Kg	1	03/05/15	LK	SW6010C
Percent Solid	86				%		03/04/15	I	SW846-%Solid
Total Cyanide	< 0.58		0.58	0.29	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Phoenix I.D.: BH79487

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
PCB-1221	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
PCB-1232	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
PCB-1242	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
PCB-1248	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
PCB-1254	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
PCB-1260	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
PCB-1262	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
PCB-1268	ND		77	77	ug/Kg	2	03/05/15	KCA	SW8082A
QA/QC Surrogates									
% DCBP	64				%	2	03/05/15	KCA	30 - 150 %
% TCMX	69				%	2	03/05/15	KCA	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	100	ug/kg	1	03/05/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		280	56	ug/Kg	29	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		280	56	ug/Kg	29	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		280	56	ug/Kg	29	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		280	28	ug/Kg	29	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		280	28	ug/Kg	29	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		280	28	ug/Kg	29	03/05/15	JLI	SW8260C
2-Hexanone	ND		26	5.2	ug/Kg	1	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		26	5.2	ug/Kg	1	03/05/15	JLI	SW8260C
Acetone	61	S	52	5.2	ug/Kg	1	03/05/15	JLI	SW8260C
Benzene	6.9		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Bromochloromethane	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Bromodichloromethane	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Bromoform	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Bromomethane	ND		5.2	2.1	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon Disulfide	3.8	J	5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Chlorobenzene	ND		5.2	5.2	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroethane	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroform	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Chloromethane	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	1.3	J	5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Dibromochloromethane	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	1.1	J	5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Ethylbenzene	1.5	J	5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Isopropylbenzene	ND		280	28	ug/Kg	29	03/05/15	JLI	SW8260C
m&p-Xylene	3.8	J	5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl ethyl ketone	14	J	31	5.2	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Methylacetate	ND		5.2	2.6	ug/Kg	1	03/05/15	JLI	SW8260C
Methylcyclohexane	2.5	J	5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Methylene chloride	ND		5.2	5.2	ug/Kg	1	03/05/15	JLI	SW8260C
o-Xylene	2.6	J	5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Styrene	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Tetrachloroethene	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Toluene	4.0	J	5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Total Xylenes	6.4		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Trichloroethene	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.2	1.0	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
Vinyl chloride	ND		5.2	0.52	ug/Kg	1	03/05/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96				%	29	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	104				%	29	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	82				%	1	03/05/15	JLI	70 - 130 %
% Toluene-d8	83				%	1	03/05/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		530	230	ug/Kg	2	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		530	270	ug/Kg	2	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		530	350	ug/Kg	2	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		530	420	ug/Kg	2	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		300	240	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND		300	270	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND		530	190	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND		530	530	ug/Kg	2	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND		300	300	ug/Kg	2	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND		300	240	ug/Kg	2	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D
2-Chlorophenol	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D
2-Methylnaphthalene	ND		530	230	ug/Kg	2	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		530	360	ug/Kg	2	03/05/15	DD	SW8270D
2-Nitroaniline	ND		3800	770	ug/Kg	2	03/05/15	DD	SW8270D
2-Nitrophenol	ND		530	480	ug/Kg	2	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		530	300	ug/Kg	2	03/05/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		300	300	ug/Kg	2	03/05/15	DD	SW8270D
3-Nitroaniline	ND		3800	1700	ug/Kg	2	03/05/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		530	530	ug/Kg	2	03/05/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-9 (7-9)

Phoenix I.D.: BH79487

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		530	270	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chloroaniline	ND		1500	350	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitroaniline	ND		3800	250	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitrophenol	ND		3800	340	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthene	330	J	530	230	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthylene	ND		300	210	ug/Kg	2	03/05/15	DD	SW8270D	
Acetophenone	ND		530	240	ug/Kg	2	03/05/15	DD	SW8270D	
Anthracene	1100		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Atrazine	ND		300	300	ug/Kg	2	03/05/15	DD	SW8270D	
Benz(a)anthracene	2200		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Benzaldehyde	ND		530	220	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(a)pyrene	2000		300	250	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	2900		530	260	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	440	J	530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	1100		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	460	J	530	200	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		530	210	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		300	200	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		530	210	ug/Kg	2	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	250	J	530	220	ug/Kg	2	03/05/15	DD	SW8270D	
Caprolactam	ND		530	530	ug/Kg	2	03/05/15	DD	SW8270D	
Carbazole	ND		3800	570	ug/Kg	2	03/05/15	DD	SW8270D	
Chrysene	2300		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		300	250	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenzofuran	270	J	530	220	ug/Kg	2	03/05/15	DD	SW8270D	
Diethyl phthalate	ND		530	240	ug/Kg	2	03/05/15	DD	SW8270D	
Dimethylphthalate	ND		530	240	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND		530	200	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND		530	200	ug/Kg	2	03/05/15	DD	SW8270D	
Fluoranthene	3700		530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Fluorene	480	J	530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND		300	220	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND		530	270	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		530	230	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachloroethane	ND		300	230	ug/Kg	2	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	470	J	530	250	ug/Kg	2	03/05/15	DD	SW8270D	
Isophorone	ND		300	210	ug/Kg	2	03/05/15	DD	SW8270D	
Naphthalene	240	J	530	220	ug/Kg	2	03/05/15	DD	SW8270D	
Nitrobenzene	ND		300	270	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		530	210	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		300	250	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		300	290	ug/Kg	2	03/05/15	DD	SW8270D	
Pentachlorophenol	ND		530	290	ug/Kg	2	03/05/15	DD	SW8270D	
Phenanthrene	3600		300	220	ug/Kg	2	03/05/15	DD	SW8270D	
Phenol	ND		530	240	ug/Kg	2	03/05/15	DD	SW8270D	
Pyrene	3000		530	260	ug/Kg	2	03/05/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	68				%	2	03/05/15	DD	19 - 122 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	75			%	2	03/05/15	DD	30 - 115 %
% 2-Fluorophenol	64			%	2	03/05/15	DD	25 - 121 %
% Nitrobenzene-d5	81			%	2	03/05/15	DD	23 - 120 %
% Phenol-d5	65			%	2	03/05/15	DD	24 - 113 %
% Terphenyl-d14	59			%	2	03/05/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 04, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	15:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79488

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	1	03/05/15	LK	SW6010C
Aluminum	11200		35	7.1	mg/Kg	10	03/05/15	LK	SW6010C
Arsenic	3.3		0.7	0.71	mg/Kg	1	03/05/15	LK	SW6010C
Barium	73.8		0.7	0.35	mg/Kg	1	03/05/15	LK	SW6010C
Beryllium	0.32		0.28	0.14	mg/Kg	1	03/05/15	LK	SW6010C
Calcium	24800		35	33	mg/Kg	10	03/05/15	LK	SW6010C
Cadmium	< 0.35		0.35	0.14	mg/Kg	1	03/05/15	LK	SW6010C
Cobalt	11.4		0.35	0.35	mg/Kg	1	03/05/15	LK	SW6010C
Chromium	24.8		0.35	0.35	mg/Kg	1	03/05/15	LK	SW6010C
Copper	57.7		0.35	0.35	mg/kg	1	03/05/15	LK	SW6010C
Iron	20700		35	35	mg/Kg	10	03/05/15	LK	SW6010C
Mercury	0.28		0.03	0.02	mg/Kg	1	03/05/15	MA	SW7471B
Potassium	3160	N	7	2.8	mg/Kg	1	03/05/15	LK	SW6010C
Magnesium	14500		35	35	mg/Kg	10	03/05/15	LK	SW6010C
Manganese	349		3.5	3.5	mg/Kg	10	03/05/15	LK	SW6010C
Sodium	293	N	7	3.1	mg/Kg	1	03/05/15	LK	SW6010C
Nickel	19.0		0.35	0.35	mg/Kg	1	03/05/15	LK	SW6010C
Lead	49.3		0.7	0.35	mg/Kg	1	03/05/15	LK	SW6010C
Antimony	< 1.8		1.8	1.8	mg/Kg	1	03/05/15	LK	SW6010C
Selenium	< 1.4		1.4	1.2	mg/Kg	1	03/05/15	LK	SW6010C
Thallium	< 1.4		1.4	1.4	mg/Kg	1	03/05/15	LK	SW6010C
Vanadium	37.5		0.4	0.35	mg/Kg	1	03/05/15	LK	SW6010C
Zinc	70.8		0.7	0.35	mg/Kg	1	03/05/15	LK	SW6010C
Percent Solid	87				%		03/04/15	I	SW846-%Solid
Total Cyanide	< 0.57		0.57	0.29	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/04/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		76	76	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1221	ND		76	76	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1232	ND		76	76	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1242	ND		76	76	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1248	ND		76	76	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1254	ND		76	76	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1260	190		76	76	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1262	ND		76	76	ug/Kg	2	03/06/15	AW	SW8082A
PCB-1268	ND		76	76	ug/Kg	2	03/06/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	64				%	2	03/06/15	AW	30 - 150 %
% TCMX	63				%	2	03/06/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		70	70	ug/kg	1	03/05/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,1-Dichloroethene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dibromoethane	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloroethane	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
1,2-Dichloropropane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
2-Hexanone	ND		18	3.5	ug/Kg	1	03/05/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		18	3.5	ug/Kg	1	03/05/15	JLI	SW8260C
Acetone	34	JS	35	3.5	ug/Kg	1	03/05/15	JLI	SW8260C
Benzene	5.9		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Bromochloromethane	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Bromodichloromethane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Bromoform	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Bromomethane	ND		3.5	1.4	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon Disulfide	1.4	J	3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Carbon tetrachloride	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Chlorobenzene	ND		3.5	3.5	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroethane	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Chloroform	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Chloromethane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	1.9	J	3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Dibromochloromethane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Dichlorodifluoromethane	1.7	J	3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Ethylbenzene	3.4	J	3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Isopropylbenzene	1.2	J	3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
m&p-Xylene	8.4		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl ethyl ketone	6.4	J	21	3.5	ug/Kg	1	03/05/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		7.0	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Methylacetate	ND		3.5	1.8	ug/Kg	1	03/05/15	JLI	SW8260C
Methylcyclohexane	4.1		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Methylene chloride	ND		3.5	3.5	ug/Kg	1	03/05/15	JLI	SW8260C
o-Xylene	5.1		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Styrene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Tetrachloroethene	1.1	J	3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Toluene	4.9		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Total Xylenes	13.5		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Trichloroethene	0.53	J	3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorofluoromethane	ND		3.5	0.70	ug/Kg	1	03/05/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
Vinyl chloride	ND		3.5	0.35	ug/Kg	1	03/05/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95				%	1	03/05/15	JLI	70 - 130 %
% Bromofluorobenzene	96				%	1	03/05/15	JLI	70 - 130 %
% Dibromofluoromethane	93				%	1	03/05/15	JLI	70 - 130 %
% Toluene-d8	95				%	1	03/05/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		1300	580	ug/Kg	5	03/05/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		1300	670	ug/Kg	5	03/05/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		1300	890	ug/Kg	5	03/05/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		1300	1000	ug/Kg	5	03/05/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		760	610	ug/Kg	5	03/05/15	DD	SW8270D
2,4-Dichlorophenol	ND		760	670	ug/Kg	5	03/05/15	DD	SW8270D
2,4-Dimethylphenol	ND		1300	470	ug/Kg	5	03/05/15	DD	SW8270D
2,4-Dinitrophenol	ND		1300	1300	ug/Kg	5	03/05/15	DD	SW8270D
2,4-Dinitrotoluene	ND		760	750	ug/Kg	5	03/05/15	DD	SW8270D
2,6-Dinitrotoluene	ND		760	600	ug/Kg	5	03/05/15	DD	SW8270D
2-Chloronaphthalene	ND		1300	540	ug/Kg	5	03/05/15	DD	SW8270D
2-Chlorophenol	ND		1300	540	ug/Kg	5	03/05/15	DD	SW8270D
2-Methylnaphthalene	990	J	1300	560	ug/Kg	5	03/05/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		1300	890	ug/Kg	5	03/05/15	DD	SW8270D
2-Nitroaniline	ND		9500	1900	ug/Kg	5	03/05/15	DD	SW8270D
2-Nitrophenol	ND		1300	1200	ug/Kg	5	03/05/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		1300	750	ug/Kg	5	03/05/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		760	760	ug/Kg	5	03/05/15	DD	SW8270D
3-Nitroaniline	ND		9500	4100	ug/Kg	5	03/05/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		1300	1300	ug/Kg	5	03/05/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		1300	560	ug/Kg	5	03/05/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		1300	670	ug/Kg	5	03/05/15	DD	SW8270D	
4-Chloroaniline	ND		3800	880	ug/Kg	5	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		1300	640	ug/Kg	5	03/05/15	DD	SW8270D	
4-Nitroaniline	ND		9500	630	ug/Kg	5	03/05/15	DD	SW8270D	
4-Nitrophenol	ND		9500	860	ug/Kg	5	03/05/15	DD	SW8270D	
Acenaphthene	1300	J	1300	580	ug/Kg	5	03/05/15	DD	SW8270D	
Acenaphthylene	ND		760	530	ug/Kg	5	03/05/15	DD	SW8270D	
Acetophenone	ND		1300	590	ug/Kg	5	03/05/15	DD	SW8270D	
Anthracene	2900		1300	620	ug/Kg	5	03/05/15	DD	SW8270D	
Atrazine	ND		760	760	ug/Kg	5	03/05/15	DD	SW8270D	
Benz(a)anthracene	4500		1300	640	ug/Kg	5	03/05/15	DD	SW8270D	
Benzaldehyde	ND		1300	560	ug/Kg	5	03/05/15	DD	SW8270D	
Benzo(a)pyrene	4000		760	620	ug/Kg	5	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	5900		1300	650	ug/Kg	5	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	820	J	1300	610	ug/Kg	5	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	2300		1300	630	ug/Kg	5	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND		1300	490	ug/Kg	5	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		1300	520	ug/Kg	5	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		760	510	ug/Kg	5	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		1300	530	ug/Kg	5	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	560	J	1300	550	ug/Kg	5	03/05/15	DD	SW8270D	
Caprolactam	ND		1300	1300	ug/Kg	5	03/05/15	DD	SW8270D	
Carbazole	1700	J	9500	1400	ug/Kg	5	03/05/15	DD	SW8270D	
Chrysene	4800		1300	640	ug/Kg	5	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		760	610	ug/Kg	5	03/05/15	DD	SW8270D	
Dibenzofuran	1400		1300	550	ug/Kg	5	03/05/15	DD	SW8270D	
Diethyl phthalate	ND		1300	600	ug/Kg	5	03/05/15	DD	SW8270D	
Dimethylphthalate	ND		1300	590	ug/Kg	5	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND		1300	500	ug/Kg	5	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND		1300	490	ug/Kg	5	03/05/15	DD	SW8270D	
Fluoranthene	8600		1300	610	ug/Kg	5	03/05/15	DD	SW8270D	
Fluorene	1800		1300	630	ug/Kg	5	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND		760	550	ug/Kg	5	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND		1300	690	ug/Kg	5	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		1300	580	ug/Kg	5	03/05/15	DD	SW8270D	
Hexachloroethane	ND		760	570	ug/Kg	5	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	900	J	1300	630	ug/Kg	5	03/05/15	DD	SW8270D	
Isophorone	ND		760	530	ug/Kg	5	03/05/15	DD	SW8270D	
Naphthalene	2100		1300	550	ug/Kg	5	03/05/15	DD	SW8270D	
Nitrobenzene	ND		760	660	ug/Kg	5	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		1300	530	ug/Kg	5	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		760	610	ug/Kg	5	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		760	730	ug/Kg	5	03/05/15	DD	SW8270D	
Pentachlorophenol	ND		1300	720	ug/Kg	5	03/05/15	DD	SW8270D	
Phenanthrene	10000		760	540	ug/Kg	5	03/05/15	DD	SW8270D	
Phenol	ND		1300	610	ug/Kg	5	03/05/15	DD	SW8270D	
Pyrene	6500		1300	650	ug/Kg	5	03/05/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	69				%	5	03/05/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (4-6)

Phoenix I.D.: BH79488

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	71			%	5	03/05/15	DD	30 - 115 %
% 2-Fluorophenol	62			%	5	03/05/15	DD	25 - 121 %
% Nitrobenzene-d5	74			%	5	03/05/15	DD	23 - 120 %
% Phenol-d5	60			%	5	03/05/15	DD	24 - 113 %
% Terphenyl-d14	55			%	5	03/05/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 04, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/02/15	10:00
Location Code:	HESNY-TUCK	Received by:	LB	03/04/15	16:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH79483
Phoenix ID: BH79489

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	5.10		0.58	0.58	mg/Kg	1	03/05/15	LK	SW6010C
Aluminum	10300		58	12	mg/Kg	10	03/05/15	LK	SW6010C
Arsenic	17.1		1.2	1.2	mg/Kg	1	03/05/15	LK	SW6010C
Barium	332		1.2	0.58	mg/Kg	1	03/05/15	LK	SW6010C
Beryllium	< 0.47		0.47	0.23	mg/Kg	1	03/05/15	LK	SW6010C
Calcium	86900		58	54	mg/Kg	10	03/05/15	LK	SW6010C
Cadmium	3.25		0.58	0.23	mg/Kg	1	03/05/15	LK	SW6010C
Cobalt	12.3		0.58	0.58	mg/Kg	1	03/05/15	LK	SW6010C
Chromium	84.7		0.58	0.58	mg/Kg	1	03/05/15	LK	SW6010C
Copper	90.9		0.58	0.58	mg/kg	1	03/05/15	LK	SW6010C
Iron	30900		58	58	mg/Kg	10	03/05/15	LK	SW6010C
Mercury	0.57		0.05	0.03	mg/Kg	1	03/05/15	MA	SW7471B
Potassium	2440	N	12	4.6	mg/Kg	1	03/05/15	LK	SW6010C
Magnesium	50100		58	58	mg/Kg	10	03/05/15	LK	SW6010C
Manganese	324		5.8	5.8	mg/Kg	10	03/05/15	LK	SW6010C
Sodium	202	N	12	5.0	mg/Kg	1	03/05/15	LK	SW6010C
Nickel	35.0		0.58	0.58	mg/Kg	1	03/05/15	LK	SW6010C
Lead	570		12	5.8	mg/Kg	10	03/05/15	LK	SW6010C
Antimony	6.4		2.9	2.9	mg/Kg	1	03/05/15	LK	SW6010C
Selenium	< 2.3		2.3	2.0	mg/Kg	1	03/05/15	LK	SW6010C
Thallium	< 2.3		2.3	2.3	mg/Kg	1	03/05/15	LK	SW6010C
Vanadium	52.7		0.6	0.58	mg/Kg	1	03/05/15	LK	SW6010C
Zinc	677		12	5.8	mg/Kg	10	03/05/15	LK	SW6010C
Percent Solid	57				%		03/04/15	I	SW846-%Solid
Total Cyanide	9.82		0.88	0.44	mg/Kg	1	03/04/15	O/B/E	SW9012B
Soil Extraction for PCB	Completed						03/04/15	CC/H	SW3545A
Soil Extraction for SVOA	Completed						03/04/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/05/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Phoenix I.D.: BH79489

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed					03/04/15	CB/AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
PCB-1221	ND	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
PCB-1232	ND	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
PCB-1242	ND	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
PCB-1248	ND	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
PCB-1254	ND	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
PCB-1260	110	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
PCB-1262	ND	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
PCB-1268	ND	100	100	ug/Kg	2	03/10/15	AW	SW8082A	
QA/QC Surrogates									
% DCBP	58			%	2	03/10/15	AW	30 - 150 %	
% TCMX	56			%	2	03/10/15	AW	30 - 150 %	
1,4-dioxane									
1,4-dioxane	ND	17000	6700	ug/kg	50	03/06/15	JLI	SW8260C	
Volatiles									
1,1,1-Trichloroethane	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
1,1-Dichloroethane	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
1,1-Dichloroethene	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
1,2-Dibromoethane	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
1,2-Dichloroethane	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
1,2-Dichloropropane	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
2-Hexanone	ND	4200	840	ug/Kg	50	03/06/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND	4200	840	ug/Kg	50	03/06/15	JLI	SW8260C	
Acetone	ND	8400	840	ug/Kg	50	03/06/15	JLI	SW8260C	B
Benzene	1800	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Bromochloromethane	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Bromodichloromethane	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Bromoform	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Bromomethane	ND	840	340	ug/Kg	50	03/06/15	JLI	SW8260C	
Carbon Disulfide	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Carbon tetrachloride	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Chlorobenzene	ND	1000	1000	ug/Kg	50	03/06/15	JLI	SW8260C	
Chloroethane	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Chloroform	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Chloromethane	ND	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Cyclohexane	ND		840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Dibromochloromethane	ND		840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Dichlorodifluoromethane	ND		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Ethylbenzene	1200		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Isopropylbenzene	6900		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
m&p-Xylene	4500		840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Methyl ethyl ketone	ND		5100	840	ug/Kg	50	03/06/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1700	170	ug/Kg	50	03/06/15	JLI	SW8260C	B
Methylacetate	ND		840	420	ug/Kg	50	03/06/15	JLI	SW8260C	
Methylcyclohexane	9200		840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Methylene chloride	ND		840	840	ug/Kg	50	03/06/15	JLI	SW8260C	
o-Xylene	170	J	840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Styrene	ND		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Tetrachloroethene	ND		840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Toluene	350	J	840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Total Xylenes	4670		840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Trichloroethene	ND		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Trichlorofluoromethane	ND		840	170	ug/Kg	50	03/06/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
Vinyl chloride	ND		840	84	ug/Kg	50	03/06/15	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	50	03/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	96				%	50	03/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	99				%	50	03/06/15	JLI	70 - 130 %	
% Toluene-d8	92				%	50	03/06/15	JLI	70 - 130 %	
Semivolatiles										
1,1-Biphenyl	ND		810	350	ug/Kg	2	03/05/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND		810	410	ug/Kg	2	03/05/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND		810	540	ug/Kg	2	03/05/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND		810	630	ug/Kg	2	03/05/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND		460	370	ug/Kg	2	03/05/15	DD	SW8270D	
2,4-Dichlorophenol	ND		460	410	ug/Kg	2	03/05/15	DD	SW8270D	
2,4-Dimethylphenol	ND		810	290	ug/Kg	2	03/05/15	DD	SW8270D	
2,4-Dinitrophenol	ND		810	810	ug/Kg	2	03/05/15	DD	SW8270D	
2,4-Dinitrotoluene	ND		460	450	ug/Kg	2	03/05/15	DD	SW8270D	
2,6-Dinitrotoluene	ND		460	360	ug/Kg	2	03/05/15	DD	SW8270D	
2-Chloronaphthalene	ND		810	330	ug/Kg	2	03/05/15	DD	SW8270D	
2-Chlorophenol	ND		810	330	ug/Kg	2	03/05/15	DD	SW8270D	
2-Methylnaphthalene	6500		810	340	ug/Kg	2	03/05/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		810	540	ug/Kg	2	03/05/15	DD	SW8270D	
2-Nitroaniline	ND		5800	1200	ug/Kg	2	03/05/15	DD	SW8270D	
2-Nitrophenol	ND		810	730	ug/Kg	2	03/05/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		810	450	ug/Kg	2	03/05/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND		460	460	ug/Kg	2	03/05/15	DD	SW8270D	
3-Nitroaniline	ND		5800	2500	ug/Kg	2	03/05/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		810	810	ug/Kg	2	03/05/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		810	340	ug/Kg	2	03/05/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Phoenix I.D.: BH79489

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		810	410	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chloroaniline	ND		2300	540	ug/Kg	2	03/05/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		810	390	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitroaniline	ND		5800	380	ug/Kg	2	03/05/15	DD	SW8270D	
4-Nitrophenol	ND		5800	520	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthene	ND		810	350	ug/Kg	2	03/05/15	DD	SW8270D	
Acenaphthylene	ND		460	320	ug/Kg	2	03/05/15	DD	SW8270D	
Acetophenone	ND		810	360	ug/Kg	2	03/05/15	DD	SW8270D	
Anthracene	640	J	810	380	ug/Kg	2	03/05/15	DD	SW8270D	
Atrazine	ND		460	460	ug/Kg	2	03/05/15	DD	SW8270D	
Benz(a)anthracene	1500		810	390	ug/Kg	2	03/05/15	DD	SW8270D	
Benzaldehyde	ND		810	340	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(a)pyrene	1200		460	380	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(b)fluoranthene	1500		810	390	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(ghi)perylene	760	J	810	370	ug/Kg	2	03/05/15	DD	SW8270D	
Benzo(k)fluoranthene	590	J	810	380	ug/Kg	2	03/05/15	DD	SW8270D	
Benzyl butyl phthalate	ND		810	300	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		810	320	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		460	310	ug/Kg	2	03/05/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		810	320	ug/Kg	2	03/05/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	4000		810	330	ug/Kg	2	03/05/15	DD	SW8270D	
Caprolactam	ND		810	810	ug/Kg	2	03/05/15	DD	SW8270D	
Carbazole	ND		5800	870	ug/Kg	2	03/05/15	DD	SW8270D	
Chrysene	1500		810	390	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		460	370	ug/Kg	2	03/05/15	DD	SW8270D	
Dibenzofuran	ND		810	340	ug/Kg	2	03/05/15	DD	SW8270D	
Diethyl phthalate	ND		810	360	ug/Kg	2	03/05/15	DD	SW8270D	
Dimethylphthalate	ND		810	360	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-butylphthalate	ND		810	310	ug/Kg	2	03/05/15	DD	SW8270D	
Di-n-octylphthalate	ND		810	300	ug/Kg	2	03/05/15	DD	SW8270D	
Fluoranthene	2100		810	370	ug/Kg	2	03/05/15	DD	SW8270D	
Fluorene	ND		810	380	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobenzene	ND		460	340	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorobutadiene	ND		810	420	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		810	350	ug/Kg	2	03/05/15	DD	SW8270D	
Hexachloroethane	ND		460	350	ug/Kg	2	03/05/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	660	J	810	380	ug/Kg	2	03/05/15	DD	SW8270D	
Isophorone	ND		460	320	ug/Kg	2	03/05/15	DD	SW8270D	
Naphthalene	7400		810	330	ug/Kg	2	03/05/15	DD	SW8270D	
Nitrobenzene	ND		460	400	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		810	330	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		460	370	ug/Kg	2	03/05/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		460	440	ug/Kg	2	03/05/15	DD	SW8270D	
Pentachlorophenol	ND		810	440	ug/Kg	2	03/05/15	DD	SW8270D	
Phenanthrene	2100		460	330	ug/Kg	2	03/05/15	DD	SW8270D	
Phenol	ND		810	370	ug/Kg	2	03/05/15	DD	SW8270D	
Pyrene	1700		810	400	ug/Kg	2	03/05/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	93				%	2	03/05/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: TB-10 (32-34)

Phoenix I.D.: BH79489

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	65			%	2	03/05/15	DD	30 - 115 %
% 2-Fluorophenol	67			%	2	03/05/15	DD	25 - 121 %
% Nitrobenzene-d5	62			%	2	03/05/15	DD	23 - 120 %
% Phenol-d5	70			%	2	03/05/15	DD	24 - 113 %
% Terphenyl-d14	51			%	2	03/05/15	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

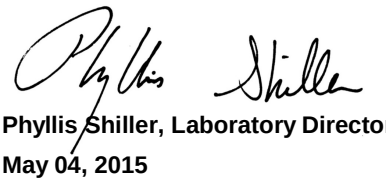
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of non-target compounds.
There is an elevated reporting level for chlorobenzene because there was a problem with high level vials for this compound.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 04, 2015
Reviewed and Released by: Tina Covensky

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-3 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79483

Sample wt/vol: 6.33 (g/mL) g Lab File ID: 0304M45.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 18 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000526-73-8	Benzene, 1,2,3-trimethyl-	7.475	380	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.380	450	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.443	420	JN
	unknown	8.542	490	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.893	510	JN
000824-90-8	1-Phenyl-1-butene	9.274	360	JN
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	9.416	340	JN
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	9.630	510	JN
000091-57-6	Naphthalene, 2-methyl-	10.932	360	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (24-26)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79484

Sample wt/vol: 3.91 (g/mL) g Lab File ID: 0304M46.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 21 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000565-59-3	Pentane, 2,3-dimethyl-	3.009	410	JN
000590-73-8	Hexane, 2,2-dimethyl-	3.244	650	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.997	130	JN
000560-21-4	Pentane, 2,3,3-trimethyl-	4.091	140	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	7.470	270	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.380	110	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.448	92	JN
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	8.893	120	JN
	unknown	9.274	150	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-4 (30-32)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79485

Sample wt/vol: 5.87 (g/mL) g Lab File ID: 0304M47.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 39 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	3.244	210	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	7.475	280	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	8.448	180	JN
	unknown	8.537	210	JN
	unknown	9.097	520	JN
006044-71-9	Dodecane, 6-methyl-	9.274	500	JN
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	9.630	200	JN
000629-50-5	Tridecane	9.996	470	JN
000544-76-3	Hexadecane	10.702	310	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-9 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79486

Sample wt/vol: 5.43 (g/mL) g Lab File ID: 0304M48.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 13 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	7.308	7.5	JN
017312-83-3	Undecane, 5,7-dimethyl-	7.543	17	JN
	unknown	7.773	19	JN
	unknown	8.893	6.7	JN
	unknown	9.280	6.2	JN
000629-50-5	Tridecane	9.996	7.3	JN
000629-59-4	Tetradecane	10.702	6	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-9 (7-9)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79487

Sample wt/vol: 5.61 (g/mL) g Lab File ID: 0304M49.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 14 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000066-25-1	Hexanal	5.556	32	JN
000611-14-3	Benzene, 1-ethyl-2-methyl-	7.031	14	JN
000622-96-8	Benzene, 1-ethyl-4-methyl-	7.308	13	JN
000620-14-4	Benzene, 1-ethyl-3-methyl-	7.475	22	JN
	unknown	8.537	17	JN
	unknown	9.097	22	JN
	unknown	9.280	25	JN
000769-25-5	Benzene, 2-ethenyl-1,3,5-trimethyl-	9.630	14	JN
000091-20-3	Naphthalene	9.970	16	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (4-6)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water): SOIL Lab Sample ID: BH79488

Sample wt/vol: 8.21 (g/mL) g Lab File ID: 0304M51.D

Level: (low/med): Low Date Received: 03/04/15

% Moisture: not dec. 13 Date Analyzed: 03/05/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000620-14-4	Benzene, 1-ethyl-3-methyl-	7.025	11	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	7.120	9.9	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	7.470	19	JN
000496-11-7	Indane	8.003	15	JN
	unknown	9.097	7.5	JN
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	9.274	13	JN
000091-20-3	Naphthalene	9.960	180	JN
000091-57-6	Naphthalene, 2-methyl-	10.817	27	JN
000090-12-0	Naphthalene, 1-methyl-	10.932	17	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (32-34)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79489

Sample wt/vol: 5.21 (g/mL) g Lab File ID: 0306_17.D

Level: (low/med) Meth Date Received: 03/04/15

% Moisture: not dec. 43 Date Analyzed: 03/06/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 50

Soil Extract Volume: 10000 (uL) Soil Aliquot Vol (uL): 100

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000594-82-1	Butane, 2,2,3,3-tetramethyl-	3.252	70000	JN
000565-75-3	Pentane, 2,3,4-trimethyl-	3.949	65000	JN
000609-26-7	Pentane, 3-ethyl-2-methyl-	4.038	110000	JN
000103-65-1	Benzene, propyl-	6.529	69000	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	6.681	71000	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	6.990	220000	JN
000496-11-7	Indane	7.436	50000	JN
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	7.499	49000	JN
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	7.729	53000	JN
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	7.808	44000	JN

FORM I VOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-3 (2-4)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79483

Sample wt/vol: 15.15 (g/mL) g Lab File ID: 0305_18.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 18 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.717	1700	JNA
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	6.936	1000	JN
017301-28-9	Undecane, 3,6-dimethyl-	7.828	1300	JN
	Unknown	8.007	720	JN
002051-30-1	Octane, 2,6-dimethyl-	8.405	1800	JN
004453-90-1	1,4-Methanonaphthalene, 1,4-dihydro-	8.942	740	JN
	Unknown	9.999	830	JN
	Unknown	13.881	760	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (24-26)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79484

Sample wt/vol: 15.1 (g/mL) g Lab File ID: 0305_19.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 21 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.719	1300	JNA
	Unknown	16.955	3800	JN
	Unknown	17.279	4700	JN
000630-02-4	Octacosane	22.192	6700	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-4 (30-32)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79485

Sample wt/vol: 15.15 (g/mL) g Lab File ID: 0305_20.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 39 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.725	2200	JNA
017301-23-4	Undecane, 2,6-dimethyl-	7.828	450	JN
	Unknown	8.405	660	JN
000629-59-4	Tetradecane	10.124	540	JN
030824-81-8	Naphthalene, decahydro-1,4a-dimethyl-7-(1-methylet	10.530	600	JN
	Unknown	13.102	1000	JN
000057-10-3	n-Hexadecanoic acid	13.943	4000	JN
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-pentaene	14.977	2400	JN
	Unknown	18.538	5900	JN
	Unknown	18.728	3200	JN
000629-92-5	Nonadecane	18.896	2600	JN
000629-94-7	Heneicosane	22.217	5100	JN

1F

CLIENT ID

TB-9 (2-4)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79486

Sample wt/vol: 15.07 (g/mL) g Lab File ID: 0305_21.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 13 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.722	1700	JNA

FORM I SEMIVOA-TIC

1F

CLIENT ID

TB-9 (7-9)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79487

Sample wt/vol: 15.33 (g/mL) g Lab File ID: 0305_22.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 14 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.720	1900	JNA
	Unknown	13.881	750	JN
000092-06-8	m-Terphenyl	15.310	640	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-10 (4-6)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79488

Sample wt/vol: 15.16 (g/mL) g Lab File ID: 0305_23.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 13 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 5

Injection Volume: 2 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.720	1700	JNA
000629-50-5	Tridecane	8.681	1700	JN
000629-59-4	Tetradecane	9.601	1600	JN
000203-64-5	4H-Cyclopenta[def]phenanthrene	13.881	1600	JN

1F

CLIENT ID

TB-10 (32-34)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH79483

Matrix:(soil/water) SOIL Lab Sample ID: BH79489

Sample wt/vol: 15.22 (g/mL) g Lab File ID: 0305_22.D

Level: (low/med) Low Date Received: 03/04/15

% Moisture: not dec. 43 decanted:(Y/N) NA Date Extracted: 03/05/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/5/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.780	3300	JN
000098-82-8	Benzene, (1-methylethyl)-	4.520	3800	JN
000103-65-1	Benzene, propyl-	4.870	10000	JN
000611-14-3	Benzene, 1-ethyl-2-methyl-	4.960	6800	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	5.350	45000	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	5.660	12000	JN
000496-11-7	1H-Indene, 2,3-dihydro-	5.820	6100	JN
000135-01-3	Benzene, 1,2-diethyl-	5.930	4300	JN
001074-43-7	Benzene, 1-methyl-3-propyl-	5.970	6500	JN
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	6.040	13000	JN
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	6.240	6600	JN
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	6.280	5600	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	6.700	4100	JN
	Benzene, 1-ethyl-2,3-dimethyl- Isomer	6.730	4900	JN
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	7.060	5800	JN

Environmental Laboratories, Inc.
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QA/QC Report

May 04, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300815 (mg/kg), QC Sample No: BH78545 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)													
Mercury - Soil	BRL	0.34	0.32	6.10	99.2			75.8	55.2	31.5	75 - 125	30	m,r
Comment:													
LCSD not reported.													
QA/QC Batch 300775 (mg/kg), QC Sample No: BH79341 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)													
ICP Metals - Soil													
Aluminum	BRL	8930	7970	11.4	101	110	8.5	NC	NC	NC	80 - 120	30	
Antimony	BRL	<1.8	<3.4	NC	110	114	3.6	90.3	93.6	3.6	70 - 130	30	
Arsenic	BRL	2.9	2.85	NC	99.6	108	8.1	99.3	99.0	0.3	80 - 120	30	
Barium	BRL	55.2	49.6	10.7	111	127	13.4	115	107	7.2	80 - 120	30	l
Beryllium	BRL	0.39	0.36	NC	103	109	5.7	103	101	2.0	80 - 120	30	
Cadmium	BRL	0.30	0.27	NC	90.9	94.9	4.3	97.0	97.3	0.3	80 - 120	30	
Calcium	BRL	19800	19100	3.60	105	108	2.8	NC	NC	NC	80 - 120	30	
Chromium	BRL	19.8	15.2	26.3	107	114	6.3	104	103	1.0	80 - 120	30	
Cobalt	BRL	6.10	5.55	9.40	92.6	97.4	5.1	103	102	1.0	80 - 120	30	
Copper	BRL	23.4	22.0	6.20	98.5	104	5.4	123	117	5.0	80 - 120	30	
Iron	BRL	18400	15300	18.4	95.4	104	8.6	NC	NC	NC	80 - 120	30	
Lead	BRL	44.9	48.9	8.50	95.0	100	5.1	101	99.1	1.9	80 - 120	30	
Magnesium	BRL	3220	2870	11.5	107	114	6.3	NC	NC	NC	80 - 120	30	
Manganese	BRL	355	309	13.9	110	115	4.4	104	>130	NC	80 - 120	30	m
Nickel	BRL	13.1	12.1	7.90	104	107	2.8	99.8	100	0.2	80 - 120	30	
Potassium	BRL	906	858	5.40	98.9	107	7.9	>130	>130	NC	80 - 120	30	m
Selenium	BRL	<1.4	<1.4	NC	89.1	96.5	8.0	83.5	85.2	2.0	80 - 120	30	
Silver	BRL	<0.36	<0.34	NC	105	111	5.6	108	108	0.0	70 - 130	30	
Sodium	BRL	98	102	4.00	107	115	7.2	130	114	13.1	80 - 120	30	m
Thallium	BRL	<1.4	<3.1	NC	102	111	8.5	103	103	0.0	80 - 120	30	
Vanadium	BRL	27.2	21.8	22.0	117	122	4.2	108	105	2.8	80 - 120	30	l
Zinc	BRL	153	172	11.7	92.7	97.9	5.5	105	104	1.0	80 - 120	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

May 04, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 300799 (mg/Kg), QC Sample No: BH78389 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)												
Total Cyanide (SW9010C Distill.)	BRL	2.93	3.36	13.7	103			101			85 - 115	30

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QA/QC Report

May 04, 2015

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300653 (ug/Kg), QC Sample No: BH78913 2X (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	96	100	4.1	85	98	14.2	30 - 120	15	
PCB-1221	ND							30 - 150	30	
PCB-1232	ND							30 - 150	30	
PCB-1242	ND							30 - 150	30	
PCB-1248	ND							30 - 150	30	
PCB-1254	ND							30 - 150	30	
PCB-1260	ND	96	103	7.0	84	96	13.3	30 - 150	20	
PCB-1262	ND							30 - 150	30	
PCB-1268	ND							30 - 150	30	
% DCBP (Surrogate Rec)	92	117	125	6.6	87	100	13.9	30 - 150	20	
% TCMX (Surrogate Rec)	59	99	103	4.0	86	94	8.9	30 - 150	20	
QA/QC Batch 300652 (ug/kg), QC Sample No: BH78913 (BH79483, BH79484, BH79485, BH79486, BH79487, BH79488, BH79489)										
Semivolatiles - Soil										
1,1-Biphenyl	ND	78	78	0.0	60	60	0.0	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	77	0.0	58	59	1.7	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	100	97	3.0	73	77	5.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	85	87	2.3	65	68	4.5	30 - 130	30	
2,4,6-Trichlorophenol	ND	86	87	1.2	64	66	3.1	30 - 130	30	
2,4-Dichlorophenol	ND	81	83	2.4	61	61	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	78	78	0.0	63	64	1.6	30 - 130	30	
2,4-Dinitrophenol	ND	33	31	6.3	90	70	25.0	30 - 130	30	
2,4-Dinitrotoluene	ND	99	97	2.0	69	70	1.4	30 - 130	30	
2,6-Dinitrotoluene	ND	91	90	1.1	64	65	1.6	30 - 130	30	
2-Chloronaphthalene	ND	80	81	1.2	63	63	0.0	30 - 130	30	
2-Chlorophenol	ND	78	78	0.0	58	59	1.7	30 - 130	30	
2-Methylnaphthalene	ND	76	77	1.3	58	59	1.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	75	75	0.0	60	58	3.4	30 - 130	30	
2-Nitroaniline	ND	144	146	1.4	104	102	1.9	30 - 130	30	l
2-Nitrophenol	ND	86	85	1.2	65	66	1.5	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	77	77	0.0	57	57	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	63	62	1.6	42	44	4.7	30 - 130	30	
3-Nitroaniline	ND	77	74	4.0	56	55	1.8	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	61	59	3.3	114	83	31.5	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	75	74	1.3	54	55	1.8	30 - 130	30	
4-Chloro-3-methylphenol	ND	83	83	0.0	62	65	4.7	30 - 130	30	
4-Chloroaniline	ND	45	46	2.2	27	29	7.1	30 - 130	30	m
4-Chlorophenyl phenyl ether	ND	85	84	1.2	62	62	0.0	30 - 130	30	
4-Nitroaniline	ND	93	92	1.1	70	70	0.0	30 - 130	30	
4-Nitrophenol	ND	136	132	3.0	96	97	1.0	30 - 130	30	l
Acenaphthene	ND	85	85	0.0	64	64	0.0	30 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acenaphthylene	ND	81	83	2.4	62	63	1.6	30 - 130	30	
Acetophenone	ND	81	82	1.2	61	62	1.6	30 - 130	30	
Anthracene	ND	87	89	2.3	68	68	0.0	30 - 130	30	
Atrazine	ND	95	93	2.1	73	70	4.2	30 - 130	30	
Benz(a)anthracene	ND	89	89	0.0	64	64	0.0	30 - 130	30	
Benzaldehyde	ND	133	134	0.7	148	148	0.0	30 - 130	30	l,m
Benzo(a)pyrene	ND	88	87	1.1	62	61	1.6	30 - 130	30	
Benzo(b)fluoranthene	ND	87	87	0.0	59	58	1.7	30 - 130	30	
Benzo(ghi)perylene	ND	80	81	1.2	61	65	6.3	30 - 130	30	
Benzo(k)fluoranthene	ND	88	88	0.0	66	65	1.5	30 - 130	30	
Benzyl butyl phthalate	ND	86	84	2.4	67	69	2.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	81	82	1.2	60	61	1.7	30 - 130	30	
Bis(2-chloroethyl)ether	ND	63	62	1.6	51	53	3.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	71	71	0.0	52	52	0.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	84	84	0.0	64	64	0.0	30 - 130	30	
Caprolactam	ND	86	84	2.4	57	58	1.7	30 - 130	30	
Carbazole	ND	110	112	1.8	85	82	3.6	30 - 130	30	
Chrysene	ND	93	92	1.1	67	65	3.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	79	79	0.0	62	64	3.2	30 - 130	30	
Dibenzofuran	ND	86	86	0.0	64	64	0.0	30 - 130	30	
Diethyl phthalate	ND	95	93	2.1	67	67	0.0	30 - 130	30	
Dimethylphthalate	ND	89	87	2.3	64	64	0.0	30 - 130	30	
Di-n-butylphthalate	ND	91	92	1.1	66	63	4.7	30 - 130	30	
Di-n-octylphthalate	ND	86	86	0.0	57	58	1.7	30 - 130	30	
Fluoranthene	ND	96	96	0.0	71	67	5.8	30 - 130	30	
Fluorene	ND	90	89	1.1	67	68	1.5	30 - 130	30	
Hexachlorobenzene	ND	77	74	4.0	56	56	0.0	30 - 130	30	
Hexachlorobutadiene	ND	77	76	1.3	57	57	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	72	74	2.7	33	21	44.4	30 - 130	30	m,r
Hexachloroethane	ND	67	67	0.0	47	46	2.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	66	67	1.5	51	53	3.8	30 - 130	30	
Isophorone	ND	74	74	0.0	55	56	1.8	30 - 130	30	
Naphthalene	ND	78	78	0.0	59	60	1.7	30 - 130	30	
Nitrobenzene	ND	76	76	0.0	56	57	1.8	30 - 130	30	
N-Nitrosodimethylamine	ND	68	68	0.0	44	43	2.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	76	78	2.6	58	57	1.7	30 - 130	30	
N-Nitrosodiphenylamine	ND	98	94	4.2	69	71	2.9	30 - 130	30	
Pentachlorophenol	ND	86	88	2.3	77	72	6.7	30 - 130	30	
Phenanthrene	ND	87	85	2.3	63	62	1.6	30 - 130	30	
Phenol	ND	77	78	1.3	55	56	1.8	30 - 130	30	
Pyrene	ND	97	96	1.0	70	67	4.4	30 - 130	30	
% 2,4,6-Tribromophenol	57	79	76	3.9	60	61	1.7	30 - 130	30	
% 2-Fluorobiphenyl	49	76	77	1.3	56	56	0.0	30 - 115	30	
% 2-Fluorophenol	44	73	72	1.4	50	50	0.0	30 - 130	30	
% Nitrobenzene-d5	46	71	70	1.4	50	51	2.0	23 - 120	30	
% Phenol-d5	49	76	76	0.0	51	52	1.9	30 - 130	30	
% Terphenyl-d14	58	96	96	0.0	69	66	4.4	18 - 137	30	
QA/QC Batch 300959 (ug/kg), QC Sample No: BH79121 (BH79483)										
Volatiles (TCL) - Soil										
1,1,1-Trichloroethane	ND	112	115	2.6	103	105	1.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	136	138	1.5	115	122	5.9	70 - 130	30	l
1,1,2-Trichloroethane	ND	108	110	1.8	99	101	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloroethane	ND	115	118	2.6	106	111	4.6	70 - 130	30	
1,1-Dichloroethene	ND	112	118	5.2	85	87	2.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	115	115	0.0	104	110	5.6	70 - 130	30	
1,2,4-Trichlorobenzene	ND	113	110	2.7	105	109	3.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	120	119	0.8	100	108	7.7	70 - 130	30	
1,2-Dibromoethane	ND	112	113	0.9	96	101	5.1	70 - 130	30	
1,2-Dichlorobenzene	ND	115	114	0.9	106	110	3.7	70 - 130	30	
1,2-Dichloroethane	ND	105	107	1.9	95	96	1.0	70 - 130	30	
1,2-Dichloropropane	ND	115	117	1.7	104	109	4.7	70 - 130	30	
1,3-Dichlorobenzene	ND	116	116	0.0	108	113	4.5	70 - 130	30	
1,4-Dichlorobenzene	ND	121	121	0.0	116	119	2.6	70 - 130	30	
1,4-dioxane	ND	118	117	0.9	111	112	0.9	70 - 130	30	
2-Hexanone	ND	110	110	0.0	96	106	9.9	70 - 130	30	
4-Methyl-2-pentanone	ND	108	110	1.8	96	104	8.0	70 - 130	30	
Acetone	ND	95	103	8.1	63	67	6.2	70 - 130	30	m
Benzene	ND	115	117	1.7	105	108	2.8	70 - 130	30	
Bromochloromethane	ND	116	114	1.7	100	103	3.0	70 - 130	30	
Bromodichloromethane	ND	115	117	1.7	96	99	3.1	70 - 130	30	
Bromoform	ND	109	112	2.7	88	91	3.4	70 - 130	30	
Bromomethane	ND	102	104	1.9	66	73	10.1	70 - 130	30	m
Carbon Disulfide	ND	133	136	2.2	86	90	4.5	70 - 130	30	l
Carbon tetrachloride	ND	108	109	0.9	94	101	7.2	70 - 130	30	
Chlorobenzene	ND	116	118	1.7	107	111	3.7	70 - 130	30	
Chloroethane	ND	99	103	4.0	42	43	2.4	70 - 130	30	m
Chloroform	ND	113	114	0.9	92	94	2.2	70 - 130	30	
Chloromethane	ND	111	118	6.1	111	115	3.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	117	119	1.7	106	110	3.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	120	121	0.8	102	106	3.8	70 - 130	30	
Cyclohexane	ND	109	111	1.8	113	116	2.6	70 - 130	30	
Dibromochloromethane	ND	115	116	0.9	91	98	7.4	70 - 130	30	
Dichlorodifluoromethane	ND	112	113	0.9	110	115	4.4	70 - 130	30	
Ethylbenzene	ND	117	120	2.5	108	114	5.4	70 - 130	30	
Isopropylbenzene	ND	119	120	0.8	113	119	5.2	70 - 130	30	
m&p-Xylene	ND	114	118	3.4	108	112	3.6	70 - 130	30	
Methyl ethyl ketone	ND	110	104	5.6	90	93	3.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	110	110	0.0	91	95	4.3	70 - 130	30	
Methylacetate	ND	115	119	3.4	113	115	1.8	70 - 130	30	
Methylcyclohexane	ND	111	113	1.8	107	110	2.8	70 - 130	30	
Methylene chloride	ND	105	108	2.8	92	97	5.3	70 - 130	30	
o-Xylene	ND	117	119	1.7	109	114	4.5	70 - 130	30	
Styrene	ND	117	118	0.9	109	112	2.7	70 - 130	30	
Tetrachloroethene	ND	114	115	0.9	104	110	5.6	70 - 130	30	
Toluene	ND	112	115	2.6	104	108	3.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	122	123	0.8	107	111	3.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	120	120	0.0	99	101	2.0	70 - 130	30	
Trichloroethene	ND	108	111	2.7	99	104	4.9	70 - 130	30	
Trichlorofluoromethane	ND	106	110	3.7	29	30	3.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	114	115	0.9	89	92	3.3	70 - 130	30	
Vinyl chloride	ND	112	115	2.6	117	121	3.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	101	1.0	99	100	1.0	70 - 130	30	
% Bromofluorobenzene	95	100	100	0.0	98	98	0.0	70 - 130	30	
% Dibromofluoromethane	99	99	101	2.0	96	97	1.0	70 - 130	30	
% Toluene-d8	96	101	101	0.0	100	100	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 300886 (ug/kg), QC Sample No: BH79488 (BH79484 (1X, 25X) , BH79485 (1X, 28X) , BH79486, BH79487 (1X, 29X) , BH79488)										
Volatiles (TCL) - Soil										
1,1,1-Trichloroethane	ND	113	110	2.7	96	97	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	125	120	4.1	99	99	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	113	111	1.8	96	96	0.0	70 - 130	30	
1,1-Dichloroethane	ND	128	123	4.0	111	114	2.7	70 - 130	30	
1,1-Dichloroethene	ND	116	109	6.2	83	83	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	90	82	9.3	78	78	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	86	80	7.2	79	76	3.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	113	111	1.8	86	85	1.2	70 - 130	30	
1,2-Dibromoethane	ND	119	116	2.6	98	99	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	95	88	7.7	83	82	1.2	70 - 130	30	
1,2-Dichloroethane	ND	110	107	2.8	94	94	0.0	70 - 130	30	
1,2-Dichloropropane	ND	123	118	4.1	106	107	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	94	87	7.7	84	80	4.9	70 - 130	30	
1,4-Dichlorobenzene	ND	90	83	8.1	82	79	3.7	70 - 130	30	
1,4-dioxane	ND	126	105	18.2	80	107	28.9	70 - 130	30	
2-Hexanone	ND	99	98	1.0	82	84	2.4	70 - 130	30	
4-Methyl-2-pentanone	ND	118	118	0.0	92	93	1.1	70 - 130	30	
Acetone	ND	91	96	5.3	50	68	30.5	70 - 130	30	m
Benzene	ND	120	115	4.3	104	103	1.0	70 - 130	30	
Bromochloromethane	ND	114	108	5.4	93	94	1.1	70 - 130	30	
Bromodichloromethane	ND	117	111	5.3	93	94	1.1	70 - 130	30	
Bromoform	ND	87	87	0.0	61	64	4.8	70 - 130	30	m
Bromomethane	ND	93	85	9.0	54	58	7.1	70 - 130	30	m
Carbon Disulfide	ND	132	127	3.9	85	86	1.2	70 - 130	30	l
Carbon tetrachloride	ND	112	107	4.6	90	89	1.1	70 - 130	30	
Chlorobenzene	ND	97	94	3.1	87	87	0.0	70 - 130	30	
Chloroethane	ND	119	111	7.0	25	24	4.1	70 - 130	30	m
Chloroform	ND	114	110	3.6	99	99	0.0	70 - 130	30	
Chloromethane	ND	117	113	3.5	106	107	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	123	127	3.2	105	105	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	127	123	3.2	104	104	0.0	70 - 130	30	
Cyclohexane	ND	113	109	3.6	112	113	0.9	70 - 130	30	
Dibromochloromethane	ND	101	99	2.0	76	79	3.9	70 - 130	30	
Dichlorodifluoromethane	ND	104	101	2.9	89	95	6.5	70 - 130	30	
Ethylbenzene	ND	102	98	4.0	90	89	1.1	70 - 130	30	
Isopropylbenzene	ND	109	101	7.6	93	93	0.0	70 - 130	30	
m&p-Xylene	ND	98	92	6.3	87	87	0.0	70 - 130	30	
Methyl ethyl ketone	ND	106	113	6.4	82	80	2.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	111	103	7.5	82	84	2.4	70 - 130	30	
Methylacetate	ND	130	130	0.0	166	162	2.4	70 - 130	30	m
Methylcyclohexane	ND	108	106	1.9	103	103	0.0	70 - 130	30	
Methylene chloride	ND	109	105	3.7	88	90	2.2	70 - 130	30	
o-Xylene	ND	103	100	3.0	91	91	0.0	70 - 130	30	
Styrene	ND	101	96	5.1	90	90	0.0	70 - 130	30	
Tetrachloroethene	ND	87	83	4.7	79	77	2.6	70 - 130	30	
Toluene	ND	115	110	4.4	99	100	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	114	109	4.5	94	96	2.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	122	120	1.7	97	96	1.0	70 - 130	30	
Trichloroethene	ND	99	98	1.0	87	88	1.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichlorofluoromethane	ND	104	101	2.9	19	18	5.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	113	110	2.7	86	88	2.3	70 - 130	30	
Vinyl chloride	ND	116	112	3.5	121	123	1.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	94	103	99	4.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	102	111	107	3.7	111	110	0.9	70 - 130	30	
% Dibromofluoromethane	93	94	92	2.2	92	94	2.2	70 - 130	30	
% Toluene-d8	96	109	109	0.0	109	108	0.9	70 - 130	30	
QA/QC Batch 301096 (ug/kg), QC Sample No: BH80067 (BH79489 (50X))										
Volatiles (TCL) - Soil										
1,1,1-Trichloroethane	ND	106	114	7.3	92			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	117	9.9	89			70 - 130	30	
1,1,2-Trichloroethane	ND	108	117	8.0	97			70 - 130	30	
1,1-Dichloroethane	ND	102	109	6.6	88			70 - 130	30	
1,1-Dichloroethene	ND	108	118	8.8	55			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	107	114	6.3	88			70 - 130	30	
1,2,4-Trichlorobenzene	ND	108	115	6.3	91			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	97	111	13.5	83			70 - 130	30	
1,2-Dibromoethane	ND	108	116	7.1	97			70 - 130	30	
1,2-Dichlorobenzene	ND	107	115	7.2	96			70 - 130	30	
1,2-Dichloroethane	ND	102	111	8.5	89			70 - 130	30	
1,2-Dichloropropane	ND	107	115	7.2	94			70 - 130	30	
1,3-Dichlorobenzene	ND	107	114	6.3	97			70 - 130	30	
1,4-Dichlorobenzene	ND	108	115	6.3	97			70 - 130	30	
1,4-dioxane	ND	106	119	11.6	89			70 - 130	30	
2-Hexanone	ND	93	105	12.1	81			70 - 130	30	
4-Methyl-2-pentanone	ND	100	113	12.2	89			70 - 130	30	
Acetone	6.0 JBS	94	104	10.1	63			70 - 130	30	m
Benzene	ND	107	114	6.3	95			70 - 130	30	
Bromochloromethane	ND	106	116	9.0	93			70 - 130	30	
Bromodichloromethane	ND	108	117	8.0	90			70 - 130	30	
Bromoform	ND	102	112	9.3	85			70 - 130	30	
Bromomethane	ND	96	107	10.8	60			70 - 130	30	m
Carbon Disulfide	ND	105	113	7.3	51			70 - 130	30	m
Carbon tetrachloride	ND	107	112	4.6	96			70 - 130	30	
Chlorobenzene	ND	108	114	5.4	>200			70 - 130	30	m
Chloroethane	ND	85	89	4.6	23			70 - 130	30	m
Chloroform	ND	101	109	7.6	90			70 - 130	30	
Chloromethane	ND	84	93	10.2	89			70 - 130	30	
cis-1,2-Dichloroethene	ND	102	110	7.5	90			70 - 130	30	
cis-1,3-Dichloropropene	ND	110	117	6.2	92			70 - 130	30	
Cyclohexane	ND	97	105	7.9	93			70 - 130	30	
Dibromochloromethane	ND	108	117	8.0	88			70 - 130	30	
Dichlorodifluoromethane	ND	89	94	5.5	83			70 - 130	30	
Ethylbenzene	ND	108	115	6.3	92			70 - 130	30	
Isopropylbenzene	ND	105	110	4.7	96			70 - 130	30	
m&p-Xylene	ND	109	115	5.4	97			70 - 130	30	
Methyl ethyl ketone	ND	94	106	12.0	79			70 - 130	30	
Methyl t-butyl ether (MTBE)	1.1 JB	106	114	7.3	86			70 - 130	30	
Methylacetate	ND	93	107	14.0	75			70 - 130	30	
Methylcyclohexane	ND	107	113	5.5	95			70 - 130	30	
Methylene chloride	ND	86	92	6.7	72			70 - 130	30	
o-Xylene	ND	108	115	6.3	97			70 - 130	30	

QA/QC Data

SDG I.D.: GBH79483

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Styrene	ND	107	113	5.5	95			70 - 130	30	
Tetrachloroethene	ND	111	119	7.0	102			70 - 130	30	
Toluene	ND	108	115	6.3	97			70 - 130	30	
trans-1,2-Dichloroethene	ND	112	118	5.2	93			70 - 130	30	
trans-1,3-Dichloropropene	ND	111	119	7.0	92			70 - 130	30	
Trichloroethene	ND	110	117	6.2	100			70 - 130	30	
Trichlorofluoromethane	ND	101	109	7.6	20			70 - 130	30	m
Trichlorotrifluoroethane	ND	110	119	7.9	61			70 - 130	30	m
Vinyl chloride	ND	93	102	9.2	90			70 - 130	30	
% 1,2-dichlorobenzene-d4	98	100	100	0.0	99			70 - 130	30	
% Bromofluorobenzene	92	102	101	1.0	99			70 - 130	30	
% Dibromofluoromethane	100	100	104	3.9	102			70 - 130	30	
% Toluene-d8	99	101	102	1.0	100			70 - 130	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 04, 2015

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79483	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	62	48	50	50	ug/Kg
BH79483	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	7700	560	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5600	560	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5800	320	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6000	560	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2500	560	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	560	500	500	ug/Kg
BH79483	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	790	320	330	330	ug/Kg
BH79483	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	790	320	330	330	ug/Kg
BH79483	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	560	3900	3900	ug/Kg
BH79483	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	560	500	500	ug/Kg
BH79483	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	320	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5600	560	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	7700	560	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	560	500	500	ug/Kg
BH79483	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	790	320	330	330	ug/Kg
BH79483	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	480	560	330	330	ug/Kg
BH79483	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	560	800	800	ug/Kg
BH79483	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7700	560	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	320	1000	1000	ug/Kg
BH79483	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	560	1000	1000	ug/Kg
BH79483	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	560	330	330	ug/Kg
BH79483	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6000	560	1000	1000	ug/Kg
BH79483	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	43.1	0.37	30		mg/Kg
BH79483	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	180	7.4	63	63	mg/Kg
BH79483	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	258	7.4	109	109	mg/Kg
BH79484	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	250	81	50	50	ug/Kg
BH79484	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	340	330	330	ug/Kg
BH79484	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	340	330	330	ug/Kg
BH79484	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	340	330	330	ug/Kg
BH79484	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	590	330	330	ug/Kg
BH79484	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	590	330	330	ug/Kg
BH79484	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Residential	1100	410	1000	1000	ug/Kg
BH79484	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH79484	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1100	410	100	100	ug/Kg
BH79484	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	36.5	0.39	30		mg/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79484	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	150	3.9	50	50	mg/kg
BH79484	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.34	0.03	0.18	0.18	mg/Kg
BH79484	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	419	7.7	400	400	mg/Kg
BH79484	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	419	7.7	400	400	mg/Kg
BH79484	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	419	7.7	63	63	mg/Kg
BH79484	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	342	7.7	109	109	mg/Kg
BH79485	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	220	70	50	50	ug/Kg
BH79485	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	380	330	330	ug/Kg
BH79485	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	380	330	330	ug/Kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	25.1	1.0	16	16	mg/Kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	25.1	1.0	16	16	mg/Kg
BH79485	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	25.1	1.0	13	13	mg/Kg
BH79485	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	1120	1.0	350	350	mg/Kg
BH79485	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	1120	1.0	400	400	mg/Kg
BH79485	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1120	1.0	350	350	mg/Kg
BH79485	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.12	0.51	2.5	2.5	mg/Kg
BH79485	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.12	0.51	2.5	2.5	mg/Kg
BH79485	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	82.0	0.51	30		mg/Kg
BH79485	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	69.0	0.51	50	50	mg/kg
BH79485	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.29	0.04	0.18	0.18	mg/Kg
BH79485	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	589	10	400	400	mg/Kg
BH79485	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	589	10	400	400	mg/Kg
BH79485	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	589	10	63	63	mg/Kg
BH79485	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	216	10	109	109	mg/Kg
BH79486	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	310	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	530	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	530	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	530	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	310	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	310	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	530	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	530	1000	1000	ug/Kg
BH79486	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	530	330	330	ug/Kg
BH79486	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	530	1000	1000	ug/Kg
BH79486	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	530	330	330	ug/Kg
BH79486	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	60.7	0.36	50	50	mg/kg
BH79487	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	61	52	50	50	ug/Kg
BH79487	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2000	300	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79487	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2300	530	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2900	530	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	530	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2200	530	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	530	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	530	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	300	1000	1000	ug/Kg
BH79487	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	530	330	330	ug/Kg
BH79487	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	530	800	800	ug/Kg
BH79487	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	300	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	530	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	530	330	330	ug/Kg
BH79487	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	530	1000	1000	ug/Kg
BH79487	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	530	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	4800	1300	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5900	1300	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	4000	760	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	1300	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	4500	1300	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	760	330	330	ug/Kg
BH79488	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	900	1300	500	500	ug/Kg
BH79488	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	760	330	330	ug/Kg
BH79488	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	4800	1300	3900	3900	ug/Kg
BH79488	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	900	1300	500	500	ug/Kg
BH79488	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5900	1300	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	760	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	1300	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	1300	800	800	ug/Kg
BH79488	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	760	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4800	1300	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	1300	1000	1000	ug/Kg
BH79488	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	760	330	330	ug/Kg
BH79488	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BH79488	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	900	1300	500	500	ug/Kg
BH79488	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	800	800	ug/Kg
BH79488	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BH79488	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5900	1300	1000	1000	ug/Kg
BH79488	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	190	76	100	100	ug/Kg
BH79488	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	57.7	0.35	50	50	mg/kg
BH79488	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.28	0.03	0.18	0.18	mg/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential	ND	17000	9800	9800	ug/kg
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Residential Restricted	ND	17000	13000	13000	ug/kg
BH79489	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	17000	100	100	ug/kg
BH79489	$DP8260_TCLS	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	840	210	210	ug/Kg
BH79489	$DP8260_TCLS	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	20	20	ug/Kg
BH79489	$DP8260_TCLS	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	330	330	ug/Kg
BH79489	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	8400	50	50	ug/Kg
BH79489	$DP8260_TCLS	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	50	50	ug/Kg
BH79489	$DP8260_TCLS	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	190	190	ug/Kg
BH79489	$DP8260_TCLS	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	270	270	ug/Kg
BH79489	$DP8260_TCLS	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	250	250	ug/Kg
BH79489	$DP8260_TCLS	Methyl ethyl ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5100	120	120	ug/Kg
BH79489	$DP8260_TCLS	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	370	370	ug/Kg
BH79489	$DP8260_TCLS	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	680	680	ug/Kg
BH79489	$DP8260_TCLS	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1700	930	930	ug/Kg
BH79489	$DP8260_TCLS	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	760	760	ug/Kg
BH79489	$DP8260_TCLS	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1800	840	60	60	ug/Kg
BH79489	$DP8260_TCLS	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	20	20	ug/Kg
BH79489	$DP8260_TCLS	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	840	470	470	ug/Kg
BH79489	$DP8260_TCLS	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1200	840	1000	1000	ug/Kg
BH79489	$DP8260_TCLS	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4670	840	260	260	ug/Kg
BH79489	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	460	330	330	ug/Kg
BH79489	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	460	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1500	810	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	660	810	500	500	ug/Kg
BH79489	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	460	330	330	ug/Kg
BH79489	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	660	810	500	500	ug/Kg
BH79489	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	460	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	810	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	810	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	460	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	810	1000	1000	ug/Kg
BH79489	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	810	330	330	ug/Kg
BH79489	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	460	330	330	ug/Kg
BH79489	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	660	810	500	500	ug/Kg
BH79489	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	810	800	800	ug/Kg
BH79489	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	810	330	330	ug/Kg
BH79489	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	110	100	100	100	ug/Kg

Sample Criteria Exceedences Report

GBH79483 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH79489	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	5.10	0.58	2	2	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	17.1	1.2	16	16	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	17.1	1.2	16	16	mg/Kg
BH79489	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	17.1	1.2	13	13	mg/Kg
BH79489	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.25	0.58	2.5	2.5	mg/Kg
BH79489	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.25	0.58	2.5	2.5	mg/Kg
BH79489	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	84.7	0.58	30		mg/Kg
BH79489	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	90.9	0.58	50	50	mg/kg
BH79489	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.57	0.05	0.18	0.18	mg/Kg
BH79489	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	35.0	0.58	30	30	mg/Kg
BH79489	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	570	12	400	400	mg/Kg
BH79489	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	570	12	400	400	mg/Kg
BH79489	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	570	12	63	63	mg/Kg
BH79489	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	677	12	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 04, 2015

SDG I.D.: GBH79483

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 Cwpg 1p of

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to: JT

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RCaffrey Date: 3/3/15

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 1250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
79483	TB-3(2-4)	S	3/3/15	11:00							3	2							
79484	TB-4(24-26)		3/3/15	2:00															
79485	TB-4(30-32)		3/3/15	2:00															
79486	TB-9(2-4)		3/2/15	12:00															
79487	TB-9(7-9)		3/2/15	12:00															
79488	TB-10(4-6)		3/2/15	3:00															
79489	TB-10(32-34)		3/3/15	10:00															

Relinquished by:	Accepted by:	Date:	Time:
		3-4-15	11:50
		3/4/15	16:20

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Sarah - Phoenixlabs

From: Rachel Griffiths [rgriffiths@hes-nj.com]
Sent: Monday, April 06, 2015 4:06 PM
To: Sarah - Phoenixlabs; rowanenv1@aol.com
Cc: Tim Carr; Alyssa N. Epstein
Subject: RE: Marbledale Road, Tuckahoe - ASP-B Data Package

Yes from here on out, that'll be much easier... it was sort of a retroactive realization that we had forgotten!

Our validator has requested a hard copy, though we can work that out in-house if you don't do it.

Thanks for your help, as usual!!

-Rachel

Rachel E. Griffiths
Geologist/Hydrogeologist

HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589
Phone: (914) 276-2560
Fax: (914) 276-2664
Cell: (914) 512-0779
www.hesny.com

-----Original Message-----
From: Sarah - Phoenixlabs [mailto:sarah@phoenixlabs.com]
Sent: Monday, April 06, 2015 3:58 PM
To: Rachel Griffiths; rowanenv1@aol.com
Cc: Tim Carr; Alyssa N. Epstein
Subject: RE: Marbledale Road, Tuckahoe - ASP-B Data Package

Rachel,

Should be ok there may be a charge to add these on now, I will let you know.
Going forward please mark on the chain that you need ASP B (we don't charge for these if added at time of sample receipt) it is in the lower right side of the chain even if you don't end up using them as full packages it will save a tremendous amount of time for our Deliverables Team to do upfront.
We will deliver the final package to you and you can add your Validator to this account so they can retrieve all excels and reports they need. Please give me their information once you have it. We do not send out a hard copy normally.

I will let you know the time frame of when you can expect the ASP Bs once I know.

Thanks and will let you know if anything comes up and we can't .
Sarah

-----Original Message-----
From: Rachel Griffiths [mailto:rgriffiths@hes-nj.com]

Sent: Monday, April 06, 2015 3:40 PM
To: Sarah - Phoenixlabs
Cc: Tim Carr; Alyssa N. Epstein
Subject: Marbledale Road, Tuckahoe - ASP-B Data Package

Hi Sarah!!

We will be needing data deliverables that meet the criteria for ASP-B data package for the following delivery groups (and select future data for this
project):

GBH82998
GBH79483
GBH78390
GBH78384

Do you need anything from me to go ahead and get started with this?

Ultimately, HES will receive the electronic copy and a data validator will receive the hard copy.

Give me a call if you'd like to discuss: 914-512-0779

Best,
Rachel

Rachel E. Griffiths
Geologist/Hydrogeologist

HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589
Phone: (914) 276-2560
Fax: (914) 276-2664
Cell: (914) 512-0779
www.hesny.com

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 19, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH83002

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

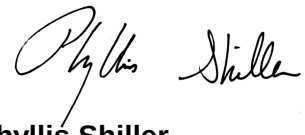
This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

March 19, 2015

SDG I.D.: GBH83002

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

BH83002 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 19, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/11/15	14:00
Location Code:	HESNY-TUCK	Received by:	LB	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH83002
Phoenix ID: BH83002

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 0-10

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39		mg/Kg	03/13/15	LK	SW6010C
Aluminum	6850	59		mg/Kg	03/13/15	LK	SW6010C
Arsenic	2.2	0.8		mg/Kg	03/13/15	LK	SW6010C
Barium	49.7	0.39		mg/Kg	03/13/15	LK	SW6010C
Beryllium	< 0.32	0.32		mg/Kg	03/13/15	LK	SW6010C
Calcium	56300	59		mg/Kg	03/13/15	LK	SW6010C
Cadmium	< 0.39	0.39		mg/Kg	03/13/15	LK	SW6010C
Cobalt	5.72	0.39		mg/Kg	03/13/15	LK	SW6010C
Chromium	17.0	0.39		mg/Kg	03/13/15	LK	SW6010C
Copper	22.0	0.39		mg/kg	03/13/15	LK	SW6010C
Iron	11300	59		mg/Kg	03/13/15	LK	SW6010C
Mercury	0.04	0.03		mg/Kg	03/13/15	RS	SW7471B
Potassium	1720	5.9		mg/Kg	03/13/15	LK	SW6010C
Magnesium	30600	59		mg/Kg	03/13/15	LK	SW6010C
Manganese	239	3.9		mg/Kg	03/13/15	LK	SW6010C
Sodium	211	5.9		mg/Kg	03/13/15	LK	SW6010C
Nickel	12.3	0.39		mg/Kg	03/13/15	LK	SW6010C
Lead	56.7	0.39		mg/Kg	03/13/15	LK	SW6010C
Antimony	< 3.9	3.9		mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.6	1.6		mg/Kg	03/13/15	LK	SW6010C
TCLP Silver	< 0.10	0.10		mg/L	03/13/15	EK	SW6010C
TCLP Arsenic	< 0.10	0.10		mg/L	03/13/15	EK	SW6010C
TCLP Barium	0.49	0.10		mg/L	03/16/15	LK	SW6010C
TCLP Cadmium	< 0.050	0.050		mg/L	03/13/15	EK	SW6010C
TCLP Chromium	< 0.10	0.10		mg/L	03/13/15	EK	SW6010C
TCLP Copper	< 0.10	0.10		mg/L	03/16/15	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002		mg/L	03/13/15	RS	SW7470A
TCLP Nickel	< 0.10	0.10		mg/L	03/13/15	EK	SW6010C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 0-10

Phoenix I.D.: BH83002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
TCLP Lead	< 0.10	0.10		mg/L	03/13/15	EK	SW6010C	
TCLP Selenium	< 0.10	0.10		mg/L	03/13/15	EK	SW6010C	
TCLP Zinc	0.14	0.10		mg/L	03/16/15	LK	SW6010C	
Thallium	< 3.6	3.6		mg/Kg	03/13/15	LK	SW6010C	
TCLP Metals Digestion	Completed						SW3005A	
Vanadium	30.0	0.39		mg/Kg	03/13/15	LK	SW6010C	
Zinc	63.5	0.39		mg/Kg	03/13/15	LK	SW6010C	
Percent Solid	88			%	03/12/15	I	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	03/12/15	DH/KDB	SW846-Corr	1
Flash Point	>200	200		Degree F	03/13/15	I	SW1010A	
Chromium, Hexavalent	< 0.45	0.45		mg/Kg	03/13/15	KDB	SW7196A	
Ignitability	Passed	140		degree F	03/13/15	I	SW846-Ignit	1
pH - Soil	8.30	0.10		pH Units	03/12/15 21:10	DH/KDB	SW9045	1
Reactivity Cyanide	< 5.6	5.6		mg/Kg	03/13/15	O/B/E	SW846-React	1
Reactivity Sulfide	< 20	20		mg/Kg	03/16/15	EG	SW-7.3	1
Reactivity	Negative			Pos/Neg	03/16/15	EG	SW846-React	1
Redox Potential	190	1.0		mV	03/12/15	DH/KDB	SM2580B-09	1
Soil Extraction for PCB	Completed				03/12/15	JC	SW3545A	
Soil Extraction for Pesticide	Completed				03/12/15	JC/H	SW3545A	
Soil Extraction for SVOA	Completed				03/12/15	JJ/VH	SW3545A	
Mercury Digestion	Completed				03/13/15	I/I	SW7471B	
Ext. of Petroleum Hydrocarbons	Completed				03/13/15	JJ/V	SW3545A	
TCLP Digestion Mercury	Completed				03/13/15	I/I	SW7470A	
TCLP Herbicides Extraction	Completed				03/13/15	WF/D	SW8150 MOD	
TCLP Extraction for Metals	Completed				03/12/15	I	SW1311	
TCLP Extraction for Organics	Completed				03/12/15	I	SW1311	
TCLP Pesticides Extraction	Completed				03/13/15	L	SW3510C	
TCLP Semi-Volatile Extraction	Completed				03/13/15	L	SW3510C	
Total Metals Digest	Completed				03/12/15	CB/AG	SW3050B	
Polychlorinated Biphenyls								
PCB-1016	ND	75		ug/Kg	03/16/15	AW	SW8082A	
PCB-1221	ND	75		ug/Kg	03/16/15	AW	SW8082A	
PCB-1232	ND	75		ug/Kg	03/16/15	AW	SW8082A	
PCB-1242	ND	75		ug/Kg	03/16/15	AW	SW8082A	
PCB-1248	ND	75		ug/Kg	03/16/15	AW	SW8082A	
PCB-1254	ND	75		ug/Kg	03/16/15	AW	SW8082A	
PCB-1260	ND	75		ug/Kg	03/16/15	AW	SW8082A	
PCB-1262	ND	75		ug/Kg	03/16/15	AW	SW8082A	
PCB-1268	ND	75		ug/Kg	03/16/15	AW	SW8082A	
QA/QC Surrogates								
% DCBP	52			%	03/16/15	AW	30 - 150 %	
% TCMX	56			%	03/16/15	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	03/14/15	CE	SW8081B	
4,4' -DDE	ND	5.0	5.0	ug/Kg	03/14/15	CE	SW8081B	
4,4' -DDT	ND	2.2	2.2	ug/Kg	03/14/15	CE	SW8081B	
a-BHC	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
a-Chlordane	ND	3.7	3.7	ug/Kg	03/14/15	CE	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 0-10

Phoenix I.D.: BH83002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Aldrin	ND	3.7	3.7	ug/Kg	03/14/15	CE	SW8081B	
b-BHC	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Chlordane	ND	37	37	ug/Kg	03/14/15	CE	SW8081B	
d-BHC	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Dieldrin	ND	3.7	3.7	ug/Kg	03/14/15	CE	SW8081B	
Endosulfan I	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Endosulfan II	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Endrin	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Endrin aldehyde	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Endrin ketone	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
g-BHC	ND	1.5	1.5	ug/Kg	03/14/15	CE	SW8081B	
g-Chlordane	ND	10	10	ug/Kg	03/14/15	CE	SW8081B	
Heptachlor	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	03/14/15	CE	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	03/14/15	CE	SW8081B	
Toxaphene	ND	150	150	ug/Kg	03/14/15	CE	SW8081B	
QA/QC Surrogates								
% DCBP	67			%	03/14/15	CE	30 - 150 %	
% TCMX	67			%	03/14/15	CE	30 - 150 %	
TCLP Herbicides								
2,4,5-TP (Silvex)	ND	4.2		ug/L	03/16/15	BB	SW8151A	
2,4-D	ND	4.2		ug/L	03/16/15	BB	SW8151A	
QA/QC Surrogates								
% DCAA	68			%	03/16/15	BB	30 - 150 %	
TCLP Pesticides								
4,4' -DDD	ND	1.0		ug/L	03/15/15	CE	SW8081B	
4,4' -DDE	ND	1.0		ug/L	03/15/15	CE	SW8081B	
4,4' -DDT	ND	1.0		ug/L	03/15/15	CE	SW8081B	
a-BHC	ND	0.50		ug/L	03/15/15	CE	SW8081B	
Alachlor	ND	0.50		ug/L	03/15/15	CE	SW8081B	1
Aldrin	ND	0.50		ug/L	03/15/15	CE	SW8081B	
b-BHC	ND	0.50		ug/L	03/15/15	CE	SW8081B	
Chlordane	ND	5.0		ug/L	03/15/15	CE	SW8081B	
d-BHC	ND	0.50		ug/L	03/15/15	CE	SW8081B	
Dieldrin	ND	1.0		ug/L	03/15/15	CE	SW8081B	
Endosulfan I	ND	0.50		ug/L	03/15/15	CE	SW8081B	
Endosulfan II	ND	1.0		ug/L	03/15/15	CE	SW8081B	
Endosulfan Sulfate	ND	1.0		ug/L	03/15/15	CE	SW8081B	
Endrin	ND	1.0		ug/L	03/15/15	CE	SW8081B	
Endrin Aldehyde	ND	1.0		ug/L	03/15/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.50		ug/L	03/15/15	CE	SW8081B	
Heptachlor	ND	0.50		ug/L	03/15/15	CE	SW8081B	
Heptachlor epoxide	ND	0.50		ug/L	03/15/15	CE	SW8081B	
Methoxychlor	ND	0.50		ug/L	03/15/15	CE	SW8081B	
Toxaphene	ND	20		ug/L	03/15/15	CE	SW8081B	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	59			%	03/15/15	CE	30 - 150 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 0-10

Phoenix I.D.: BH83002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
%TCMX (Surrogate Rec)	68			%	03/15/15	CE	30 - 150 %	
Extractable TPH C9-C44								
TPH to C44	780	370		mg/Kg	03/17/15	JRB	SW8015D TPH	
QA/QC Surrogates								
% Chlorobenzene (surrogate)	48			%	03/17/15	JRB	60 - 120 %	3
% Pentacosane (surrogate)	60			%	03/17/15	JRB	50 - 150 %	
Gasoline Range Organics (C6-C10)	ND	23		mg/Kg	03/16/15	JRB	SW8015D GRO	
Volatiles (TCL)								
1,1,1-Trichloroethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
1,1-Dichloroethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
1,1-Dichloroethene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	280		ug/kg	03/16/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	280		ug/kg	03/16/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	80		ug/kg	03/16/15	JLI	SW8260C	
1,2-Dibromoethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND	280		ug/kg	03/16/15	JLI	SW8260C	
1,2-Dichloroethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
1,2-Dichloropropane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND	280		ug/kg	03/16/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND	280		ug/kg	03/16/15	JLI	SW8260C	
2-Hexanone	ND	29		ug/kg	03/16/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND	29		ug/kg	03/16/15	JLI	SW8260C	
Acetone	ND	75		ug/kg	03/16/15	JLI	SW8260C	
Benzene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Bromochloromethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Bromodichloromethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Bromoform	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Bromomethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Carbon Disulfide	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Carbon tetrachloride	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Chlorobenzene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Chloroethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Chloroform	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Chloromethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Cyclohexane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Dibromochloromethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Ethylbenzene	30	5.8		ug/kg	03/16/15	JLI	SW8260C	
Isopropylbenzene	ND	280		ug/kg	03/16/15	JLI	SW8260C	
m&p-Xylene	150	5.8		ug/kg	03/16/15	JLI	SW8260C	
Methyl ethyl ketone	ND	35		ug/kg	03/16/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	12		ug/kg	03/16/15	JLI	SW8260C	
Methylacetate	ND	4.6		ug/kg	03/16/15	JLI	SW8260C	
Methylcyclohexane	16	5.8		ug/kg	03/16/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 0-10

Phoenix I.D.: BH83002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Methylene chloride	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
o-Xylene	62	5.8		ug/kg	03/16/15	JLI	SW8260C	
Styrene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Tetrachloroethene	48	5.8		ug/kg	03/16/15	JLI	SW8260C	
Toluene	45	5.8		ug/kg	03/16/15	JLI	SW8260C	
Total Xylenes	212	5.8		ug/kg	03/16/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Trichloroethene	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Trichlorofluoromethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
Vinyl chloride	ND	5.8		ug/kg	03/16/15	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/16/15	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	03/16/15	JLI	70 - 130 %	
% Dibromofluoromethane	113			%	03/16/15	JLI	70 - 130 %	
% Toluene-d8	87			%	03/16/15	JLI	70 - 130 %	
Volatile Library Search Top 10	Completed				03/16/15	JLI		

Semivolatiles

1,1-Biphenyl	ND	530		ug/Kg	03/13/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2,4-Dichlorophenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2,4-Dimethylphenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2,4-Dinitrophenol	ND	1200		ug/Kg	03/13/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2-Chloronaphthalene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2-Chlorophenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2-Methylnaphthalene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	530		ug/Kg	03/13/15	DD	SW8270D	
2-Nitroaniline	ND	1200		ug/Kg	03/13/15	DD	SW8270D	
2-Nitrophenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	760		ug/Kg	03/13/15	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	910		ug/Kg	03/13/15	DD	SW8270D	
3-Nitroaniline	ND	1200		ug/Kg	03/13/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	2200		ug/Kg	03/13/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	760		ug/Kg	03/13/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
4-Chloroaniline	ND	530		ug/Kg	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	530		ug/Kg	03/13/15	DD	SW8270D	
4-Nitroaniline	ND	1200		ug/Kg	03/13/15	DD	SW8270D	
4-Nitrophenol	ND	2200		ug/Kg	03/13/15	DD	SW8270D	
Acenaphthene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Acenaphthylene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Acetophenone	ND	530		ug/Kg	03/13/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 0-10

Phoenix I.D.: BH83002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Anthracene	540	530		ug/Kg	03/13/15	DD	SW8270D	
Atrazine	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Benz(a)anthracene	1200	530		ug/Kg	03/13/15	DD	SW8270D	
Benzaldehyde	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Benzo(a)pyrene	1100	530		ug/Kg	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	1600	530		ug/Kg	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	590	530		ug/Kg	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	400		ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	530		ug/Kg	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Caprolactam	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Carbazole	ND	2200		ug/Kg	03/13/15	DD	SW8270D	
Chrysene	1200	530		ug/Kg	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	200		ug/Kg	03/13/15	DD	SW8270D	
Dibenzofuran	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Diethyl phthalate	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Dimethylphthalate	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Fluoranthene	1900	530		ug/Kg	03/13/15	DD	SW8270D	
Fluorene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND	300		ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Hexachloroethane	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500		ug/Kg	03/13/15	DD	SW8270D	
Isophorone	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Naphthalene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Nitrobenzene	ND	530		ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	700		ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	200		ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	760		ug/Kg	03/13/15	DD	SW8270D	
Pentachlorophenol	ND	760		ug/Kg	03/13/15	DD	SW8270D	
Phenanthrene	1600	530		ug/Kg	03/13/15	DD	SW8270D	
Phenol	ND	530		ug/Kg	03/13/15	DD	SW8270D	
Pyrene	1600	530		ug/Kg	03/13/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	03/13/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	73			%	03/13/15	DD	30 - 130 %	
% 2-Fluorophenol	71			%	03/13/15	DD	30 - 130 %	
% Nitrobenzene-d5	78			%	03/13/15	DD	30 - 130 %	
% Phenol-d5	77			%	03/13/15	DD	30 - 130 %	
% Terphenyl-d14	64			%	03/13/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83		ug/L	03/15/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	83		ug/L	03/15/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 0-10

Phoenix I.D.: BH83002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
2,4,6-Trichlorophenol	ND	83		ug/L	03/15/15	DD	SW8270D
2,4-Dinitrotoluene	ND	83		ug/L	03/15/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	83		ug/L	03/15/15	DD	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83		ug/L	03/15/15	DD	SW8270D
Hexachlorobenzene	ND	83		ug/L	03/15/15	DD	SW8270D
Hexachlorobutadiene	ND	83		ug/L	03/15/15	DD	SW8270D
Hexachloroethane	ND	83		ug/L	03/15/15	DD	SW8270D
Nitrobenzene	ND	83		ug/L	03/15/15	DD	SW8270D
Pentachlorophenol	ND	83		ug/L	03/15/15	DD	SW8270D
Pyridine	ND	83		ug/L	03/15/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	92			%	03/15/15	DD	15 - 110 %
% 2-Fluorobiphenyl	80			%	03/15/15	DD	30 - 130 %
% 2-Fluorophenol	64			%	03/15/15	DD	15 - 110 %
% Nitrobenzene-d5	92			%	03/15/15	DD	30 - 130 %
% Phenol-d5	54			%	03/15/15	DD	15 - 110 %
% Terphenyl-d14	83			%	03/15/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed				03/17/15	DD	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 19, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-5 0-10

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH83002

Matrix:(soil/water): SOIL Lab Sample ID: BH83002

Sample wt/vol: 4.88 (g/mL) g Lab File ID: 0316L15.D

Level: (low/med): ENL Date Received: 03/12/15

% Moisture: not dec. 12 Date Analyzed: 03/16/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000124-18-5	Decane	5.667	350	JN
000611-14-3	Benzene, 1-ethyl-2-methyl-	5.746	250	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	6.091	550	JN
001120-21-4	Undecane	6.525	870	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	6.786	250	JN
	unknown	6.907	190	JN
000112-40-3	Dodecane	7.325	910	JN
017301-23-4	Undecane, 2,6-dimethyl-	7.451	600	JN
	unknown	7.733	290	JN
000629-50-5	Tridecane	8.005	570	JN

FORM I VOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-5 0-10

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH83002

Matrix:(soil/water) SOIL Lab Sample ID: BH83002

Sample wt/vol: 15.02 (g/mL) g Lab File ID: 0313_20.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 12 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.630	850	JN
	Unknown	8.290	740	JN
000143-07-7	Dodecanoic acid	11.960	2300	JN
000544-63-8	Tetradecanoic acid	13.500	1600	JN
000057-10-3	Hexadecanoic acid	14.940	5400	JN
	Unknown	15.860	690	JN
000112-80-1	9-Octadecenoic acid (Z)-	16.090	1800	JN
000057-11-4	Octadecanoic acid	16.230	670	JN

FORM I SEMIVOA-TIC

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 19, 2015

QA/QC Data

SDG I.D.: GBH83002

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 301500, QC Sample No: BH76931 (BH83002)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	0.11	<0.10	NC	106	108	1.9	105	103	1.9	75 - 125	20	
Barium	BRL	6.43	6.44	0.20	106	106	0.0	108	105	2.8	75 - 125	20	
Cadmium	BRL	<0.050	<0.050	NC	103	104	1.0	102	99.9	2.1	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	104	104	0.0	104	101	2.9	75 - 125	20	
Copper	BRL	<0.10	0.13	NC	124	121	2.4	125	122	2.4	75 - 125	20	
Lead	BRL	1.23	1.24	0.80	109	111	1.8	109	106	2.8	75 - 125	20	
Nickel	BRL	0.10	<0.10	NC	106	108	1.9	104	102	1.9	75 - 125	20	
Selenium	BRL	0.28	0.24	NC	113	114	0.9	110	108	1.8	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	115	117	1.7	117	115	1.7	75 - 125	20	
Zinc	BRL	1.54	1.50	2.60	107	108	0.9	109	106	2.8	75 - 125	20	
QA/QC Batch 301499, QC Sample No: BH81987 (BH83002)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	94.5	91.1	3.7	93.8	87.7	6.7	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 301433, QC Sample No: BH82721 (BH83002)													
ICP Metals - Soil													
Aluminum	BRL	4660	5900	23.5	99.6	110	9.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.2	<3.3	NC	84.3	85.4	1.3	87.8	87.3	0.6	75 - 125	30	
Arsenic	BRL	1.0	1.07	NC	93.9	103	9.2	90.2	89.5	0.8	75 - 125	30	
Barium	BRL	26.3	29.2	10.5	107	114	6.3	105	106	0.9	75 - 125	30	
Beryllium	BRL	0.27	0.28	NC	99.8	105	5.1	96.5	96.3	0.2	75 - 125	30	
Cadmium	BRL	<0.32	<0.33	NC	89.7	92.1	2.6	92.6	92.3	0.3	75 - 125	30	
Calcium	BRL	474	469	1.10	98.9	107	7.9	>130	>130	NC	75 - 125	30	m
Chromium	BRL	11.0	12.7	14.3	102	107	4.8	101	99.2	1.8	75 - 125	30	
Cobalt	BRL	3.99	4.34	8.40	89.2	93.3	4.5	96.1	96.1	0.0	75 - 125	30	
Copper	BRL	8.90	10.7	18.4	97.6	99.3	1.7	104	102	1.9	75 - 125	30	
Iron	BRL	13600	14300	5.00	85.3	93.6	9.3	NC	NC	NC	75 - 125	30	
Lead	BRL	2.7	3.28	NC	87.9	93.4	6.1	91.0	91.0	0.0	75 - 125	30	
Magnesium	BRL	1350	1470	8.50	100	108	7.7	NC	NC	NC	75 - 125	30	
Manganese	BRL	176	186	5.50	105	111	5.6	65.6	54.4	18.7	75 - 125	30	m
Nickel	BRL	7.53	8.05	6.70	103	105	1.9	95.8	94.5	1.4	75 - 125	30	
Potassium	BRL	534	610	13.3	96.3	105	8.6	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.3	<1.3	NC	86.5	93.5	7.8	77.5	78.9	1.8	75 - 125	30	
Silver	BRL	<0.32	<0.33	NC	102	108	5.7	95.5	95.1	0.4	75 - 125	30	
Sodium	BRL	49.1	51.5	4.80	105	113	7.3	124	>130	NC	75 - 125	30	m
Thallium	BRL	<2.9	<2.9	NC	95.2	102	6.9	92.8	92.7	0.1	75 - 125	30	
Vanadium	BRL	15.7	17.4	10.3	110	117	6.2	99.1	97.7	1.4	75 - 125	30	
Zinc	BRL	11.6	15.0	25.6	90.2	94.9	5.1	92.7	91.6	1.2	75 - 125	30	

QA/QC Data

SDG I.D.: GBH83002

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 301542, QC Sample No: BH83002 (BH83002)													
Chromium, Hexavalent (SW3060 digestion) - Soil													
Hexavalent Cr	BRL	<0.45	<0.45	NC	99.4						70 - 130	30	
Insoluble Cr					92.4			76.3			70 - 130	30	
Soluble Cr					98.9			16.4			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries.													
QA/QC Batch 301496, QC Sample No: BH83088 (BH83002)													
Mercury - Soil	BRL	0.07	0.08	NC	89.6	86.9	3.1	81.9	85.9	4.8	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													

m = This parameter is outside laboratory ms/msd specified recovery limits.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

March 19, 2015

QA/QC Data

SDG I.D.: GBH83002

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301493, QC Sample No: BH82506 (BH83002)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 301611, QC Sample No: BH82611 (BH83002)												
Reactivity Cyanide	BRL	<5.7	<5.7	NC	97.0						85 - 115	30
QA/QC Batch 301508, QC Sample No: BH83002 (BH83002)												
pH - Soil		8.30	8.32	0.20	97.2						85 - 115	20

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 19, 2015

QA/QC Data

SDG I.D.: GBH83002

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301231, QC Sample No: BH80539 (BH83002)									
Semivolatiles									
1,4-Dichlorobenzene	ND	47	46	2.2				30 - 130	20
2,4,5-Trichlorophenol	ND	71	76	6.8				30 - 130	20
2,4,6-Trichlorophenol	ND	76	75	1.3				30 - 130	20
2,4-Dinitrotoluene	ND	76	75	1.3				30 - 130	20
2-Methylphenol (o-cresol)	ND	61	60	1.7				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	62	60	3.3				30 - 130	20
Hexachlorobenzene	ND	82	80	2.5				30 - 130	20
Hexachlorobutadiene	ND	51	51	0.0				30 - 130	20
Hexachloroethane	ND	49	47	4.2				30 - 130	20
Nitrobenzene	ND	69	68	1.5				30 - 130	20
Pentachlorophenol	ND	71	67	5.8				30 - 130	20
Pyridine	ND	25	25	0.0				30 - 130	20
% 2,4,6-Tribromophenol	89	88	86	2.3				15 - 110	20
% 2-Fluorobiphenyl	62	65	64	1.6				30 - 130	20
% 2-Fluorophenol	46	43	42	2.4				15 - 110	20
% Nitrobenzene-d5	73	69	68	1.5				30 - 130	20
% Phenol-d5	38	39	38	2.6				15 - 110	20
% Terphenyl-d14	75	75	75	0.0				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 301377, QC Sample No: BH81247 (BH83002)									
Chlorinated Herbicides									
2,4,5-TP (Silvex)	ND	88	93	5.5				40 - 140	20
2,4-D	ND	123	123	0.0				40 - 140	20
% DCAA (Surrogate Rec)	66	73	74	1.4				30 - 150	20
QA/QC Batch 301603, QC Sample No: BH82089 (BH83002)									
Pesticides									
4,4' -DDD	ND	88	102	14.7				40 - 140	20
4,4' -DDE	ND	87	102	15.9				40 - 140	20
4,4' -DDT	ND	76	92	19.0				40 - 140	20
a-BHC	ND	79	96	19.4				40 - 140	20
a-Chlordane	ND	79	92	15.2				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	71	81	13.2				40 - 140	20
b-BHC	ND	80	95	17.1				40 - 140	20
Chlordane	ND	86	101	16.0				40 - 140	20
d-BHC	ND	72	86	17.7				40 - 140	20
Dieldrin	ND	96	111	14.5				40 - 140	20

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endosulfan I	ND	80	93	15.0				40 - 140	20
Endosulfan II	ND	87	99	12.9				40 - 140	20
Endosulfan sulfate	ND	82	93	12.6				40 - 140	20
Endrin	ND	88	99	11.8				40 - 140	20
Endrin aldehyde	ND	77	87	12.2				40 - 140	20
g-BHC	ND	86	98	13.0				40 - 140	20
g-Chlordane	ND	86	101	16.0				40 - 140	20
Heptachlor	ND	81	93	13.8				40 - 140	20
Heptachlor epoxide	ND	80	94	16.1				40 - 140	20
Methoxychlor	ND	81	91	11.6				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	55	46	65	34.2				40 - 150	20
% TCMX	75	70	85	19.4				40 - 150	20
QA/QC Batch 301436, QC Sample No: BH82721 (BH83002)									
Semivolatiles - Soil									
1,1-Biphenyl	ND	85	80	6.1	77	77	0.0	30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	85	81	4.8	73	73	0.0	30 - 130	30
2,3,4,6-tetrachlorophenol	ND	94	91	3.2	83	86	3.6	30 - 130	30
2,4,5-Trichlorophenol	ND	89	86	3.4	80	82	2.5	30 - 130	30
2,4,6-Trichlorophenol	ND	92	88	4.4	81	81	0.0	30 - 130	30
2,4-Dichlorophenol	ND	88	85	3.5	74	75	1.3	30 - 130	30
2,4-Dimethylphenol	ND	81	79	2.5	56	56	0.0	30 - 130	30
2,4-Dinitrophenol	ND	47	41	13.6	43	47	8.9	30 - 130	30
2,4-Dinitrotoluene	ND	101	97	4.0	92	94	2.2	30 - 130	30
2,6-Dinitrotoluene	ND	96	91	5.3	88	89	1.1	30 - 130	30
2-Chloronaphthalene	ND	83	78	6.2	76	75	1.3	30 - 130	30
2-Chlorophenol	ND	82	77	6.3	75	75	0.0	30 - 130	30
2-Methylnaphthalene	ND	87	82	5.9	74	74	0.0	30 - 130	30
2-Methylphenol (o-cresol)	ND	82	76	7.6	69	71	2.9	30 - 130	30
2-Nitroaniline	ND	121	114	6.0	101	97	4.0	30 - 130	30
2-Nitrophenol	ND	92	88	4.4	77	79	2.6	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	84	79	6.1	72	71	1.4	30 - 130	30
3,3'-Dichlorobenzidine	ND	89	81	9.4	68	68	0.0	30 - 130	30
3-Nitroaniline	ND	104	97	7.0	92	88	4.4	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	90	81	10.5	95	96	1.0	30 - 130	30
4-Bromophenyl phenyl ether	ND	87	83	4.7	78	83	6.2	30 - 130	30
4-Chloro-3-methylphenol	ND	92	89	3.3	77	78	1.3	30 - 130	30
4-Chloroaniline	ND	80	74	7.8	65	62	4.7	30 - 130	30
4-Chlorophenyl phenyl ether	ND	85	81	4.8	78	80	2.5	30 - 130	30
4-Nitroaniline	ND	95	90	5.4	86	86	0.0	30 - 130	30
4-Nitrophenol	ND	98	92	6.3	86	84	2.4	30 - 130	30
Acenaphthene	ND	86	80	7.2	77	78	1.3	30 - 130	30
Acenaphthylene	ND	84	80	4.9	75	77	2.6	30 - 130	30
Acetophenone	ND	85	78	8.6	77	76	1.3	30 - 130	30
Anthracene	ND	89	84	5.8	81	82	1.2	30 - 130	30
Atrazine	ND	101	96	5.1	89	90	1.1	30 - 130	30
Benz(a)anthracene	ND	91	84	8.0	80	81	1.2	30 - 130	30
Benzaldehyde	ND	91	79	14.1	118	124	5.0	30 - 130	30
Benzo(a)pyrene	ND	90	83	8.1	79	80	1.3	30 - 130	30
Benzo(b)fluoranthene	ND	88	81	8.3	78	78	0.0	30 - 130	30
Benzo(ghi)perylene	ND	99	92	7.3	86	89	3.4	30 - 130	30
Benzo(k)fluoranthene	ND	86	80	7.2	78	77	1.3	30 - 130	30

QA/QC Data

SDG I.D.: GBH83002

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzyl butyl phthalate	ND	95	87	8.8	84	86	2.4	30 - 130	30
Bis(2-chloroethoxy)methane	ND	87	83	4.7	74	73	1.4	30 - 130	30
Bis(2-chloroethyl)ether	ND	68	62	9.2	62	61	1.6	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	75	69	8.3	68	68	0.0	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	91	83	9.2	79	81	2.5	30 - 130	30
Caprolactam	ND	85	82	3.6	73	74	1.4	30 - 130	30
Carbazole	ND	120	112	6.9	105	102	2.9	30 - 130	30
Chrysene	ND	98	90	8.5	87	88	1.1	30 - 130	30
Dibenz(a,h)anthracene	ND	97	90	7.5	85	87	2.3	30 - 130	30
Dibenzofuran	ND	89	83	7.0	79	80	1.3	30 - 130	30
Diethyl phthalate	ND	89	84	5.8	80	81	1.2	30 - 130	30
Dimethylphthalate	ND	88	83	5.8	79	80	1.3	30 - 130	30
Di-n-butylphthalate	ND	109	102	6.6	96	94	2.1	30 - 130	30
Di-n-octylphthalate	ND	83	77	7.5	71	74	4.1	30 - 130	30
Fluoranthene	ND	116	108	7.1	102	99	3.0	30 - 130	30
Fluorene	ND	87	82	5.9	79	80	1.3	30 - 130	30
Hexachlorobenzene	ND	83	78	6.2	74	78	5.3	30 - 130	30
Hexachlorobutadiene	ND	81	77	5.1	71	71	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	78	77	1.3	71	71	0.0	30 - 130	30
Hexachloroethane	ND	73	65	11.6	67	66	1.5	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	98	91	7.4	85	88	3.5	30 - 130	30
Isophorone	ND	81	77	5.1	69	69	0.0	30 - 130	30
Naphthalene	ND	81	77	5.1	70	70	0.0	30 - 130	30
Nitrobenzene	ND	81	74	9.0	74	74	0.0	30 - 130	30
N-Nitrosodimethylamine	ND	69	62	10.7	62	60	3.3	30 - 130	30
N-Nitrosodi-n-propylamine	ND	82	75	8.9	73	73	0.0	30 - 130	30
N-Nitrosodiphenylamine	ND	92	85	7.9	81	81	0.0	30 - 130	30
Pentachlorophenol	ND	92	87	5.6	80	83	3.7	30 - 130	30
Phenanthrene	ND	87	83	4.7	78	80	2.5	30 - 130	30
Phenol	ND	83	76	8.8	74	73	1.4	30 - 130	30
Pyrene	ND	118	111	6.1	104	101	2.9	30 - 130	30
% 2,4,6-Tribromophenol	76	84	78	7.4	74	74	0.0	30 - 130	30
% 2-Fluorobiphenyl	70	83	78	6.2	74	75	1.3	30 - 130	30
% 2-Fluorophenol	66	79	73	7.9	71	71	0.0	30 - 130	30
% Nitrobenzene-d5	70	80	74	7.8	74	73	1.4	30 - 130	30
% Phenol-d5	69	82	76	7.6	73	73	0.0	30 - 130	30
% Terphenyl-d14	94	129	119	8.1	112	109	2.7	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 301437, QC Sample No: BH82749 (BH83002)

Pesticides - Soil

4,4' -DDD	ND	102	95	7.1	79	81	2.5	40 - 140	30
4,4' -DDE	ND	96	91	5.3	71	72	1.4	40 - 140	30
4,4' -DDT	ND	83	80	3.7	65	65	0.0	40 - 140	30
a-BHC	ND	81	80	1.2	70	72	2.8	40 - 140	30
a-Chlordane	ND	84	82	2.4	67	67	0.0	40 - 140	30
Aldrin	ND	83	81	2.4	56	58	3.5	40 - 140	30
b-BHC	ND	80	82	2.5	74	77	4.0	40 - 140	30
Chlordane	ND	91	89	2.2	71	72	1.4	40 - 140	30
d-BHC	ND	78	80	2.5	75	77	2.6	40 - 140	30
Dieldrin	ND	100	96	4.1	88	89	1.1	40 - 140	30

QA/QC Data

SDG I.D.: GBH83002

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Endosulfan I	ND	82	81	1.2	72	72	0.0	40 - 140	30	
Endosulfan II	ND	79	79	0.0	79	81	2.5	40 - 140	30	
Endosulfan sulfate	ND	61	67	9.4	66	68	3.0	40 - 140	30	
Endrin	ND	95	93	2.1	78	81	3.8	40 - 140	30	
Endrin aldehyde	ND	47	55	15.7	59	61	3.3	40 - 140	30	
Endrin ketone	ND	71	77	8.1	69	73	5.6	40 - 140	30	
g-BHC	ND	80	80	0.0	76	80	5.1	40 - 140	30	
g-Chlordane	ND	91	89	2.2	71	72	1.4	40 - 140	30	
Heptachlor	ND	79	80	1.3	58	60	3.4	40 - 140	30	
Heptachlor epoxide	ND	81	79	2.5	67	67	0.0	40 - 140	30	
Methoxychlor	ND	81	81	0.0	79	78	1.3	40 - 140	30	
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	91	89	86	3.4	68	71	4.3	30 - 150	30	
% TCMX	76	82	79	3.7	50	52	3.9	30 - 150	30	
QA/QC Batch 301428, QC Sample No: BH82749 (BH83002)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	91	93	2.2	79	79	0.0	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	91	90	1.1	77	78	1.3	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	81	107	103	3.8	91	86	5.6	30 - 150	30	
% TCMX (Surrogate Rec)	76	99	100	1.0	82	78	5.0	30 - 150	30	
QA/QC Batch 301709, QC Sample No: BH83002 (BH83002)										
Gasoline Range Organics (C6C10) - Soil										
Gasoline Range Organics (C6-C10)	ND	70	77	9.5	48	55	13.6	60 - 120	30	m
QA/QC Batch 301567, QC Sample No: BH83002 (BH83002)										
TPH by GC - Soil										
Total Petroleum Hydrocarbon	ND	87	99	12.9				60 - 120	30	
% Chlorobenzene (surrogate)	55	53	60	12.4				60 - 120	30	l
% Pentacosane (surrogate)	76	63	74	16.1				50 - 150	30	
Comment:										
The MS/MSD could not be reported due to the presence of hydrocarbon material in the original sample. The LCS/LCSD were within QA/QC criteria.										
QA/QC Batch 301767, QC Sample No: BH83623 (BH83002 (1X, 50X))										
Volatiles (TCL) - Soil										
1,1,1-Trichloroethane	ND	89	97	8.6	75			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	112	8.4	86			70 - 130	30	
1,1,2-Trichloroethane	ND	88	98	10.8	79			70 - 130	30	
1,1-Dichloroethane	ND	87	96	9.8	74			70 - 130	30	
1,1-Dichloroethene	ND	86	95	9.9	43			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	89	95	6.5	73			70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	92	4.4	75			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	91	100	9.4	74			70 - 130	30	
1,2-Dibromoethane	ND	90	100	10.5	78			70 - 130	30	
1,2-Dichlorobenzene	ND	88	95	7.7	76			70 - 130	30	
1,2-Dichloroethane	ND	87	97	10.9	72			70 - 130	30	

QA/QC Data

SDG I.D.: GBH83002

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichloropropane	ND	86	94	8.9	74			70 - 130	30	
1,3-Dichlorobenzene	ND	86	94	8.9	74			70 - 130	30	
1,4-Dichlorobenzene	ND	86	93	7.8	75			70 - 130	30	
2-Hexanone	ND	73	80	9.2	63			70 - 130	30	m
4-Methyl-2-pentanone	ND	83	90	8.1	77			70 - 130	30	
Acetone	ND	63	66	4.7	29			70 - 130	30	l,m
Benzene	ND	89	98	9.6	76			70 - 130	30	
Bromochloromethane	ND	91	102	11.4	77			70 - 130	30	
Bromodichloromethane	ND	94	103	9.1	76			70 - 130	30	
Bromoform	ND	101	115	13.0	80			70 - 130	30	
Bromomethane	ND	89	96	7.6	43			70 - 130	30	m
Carbon Disulfide	ND	92	101	9.3	45			70 - 130	30	m
Carbon tetrachloride	ND	93	102	9.2	77			70 - 130	30	
Chlorobenzene	ND	87	96	9.8	73			70 - 130	30	
Chloroethane	ND	79	89	11.9	19			70 - 130	30	m
Chloroform	ND	86	98	13.0	66			70 - 130	30	m
Chloromethane	ND	81	89	9.4	71			70 - 130	30	
cis-1,2-Dichloroethene	ND	88	96	8.7	75			70 - 130	30	
cis-1,3-Dichloropropene	ND	94	104	10.1	78			70 - 130	30	
Cyclohexane	ND	81	90	10.5	75			70 - 130	30	
Dibromochloromethane	ND	100	111	10.4	79			70 - 130	30	
Dichlorodifluoromethane	ND	79	89	11.9	72			70 - 130	30	
Ethylbenzene	ND	90	99	9.5	75			70 - 130	30	
Isopropylbenzene	ND	87	97	10.9	75			70 - 130	30	
m&p-Xylene	ND	89	99	10.6	76			70 - 130	30	
Methyl ethyl ketone	ND	77	82	6.3	66			70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	84	93	10.2	69			70 - 130	30	m
Methylacetate	ND	92	103	11.3	76			70 - 130	30	
Methylcyclohexane	ND	86	96	11.0	76			70 - 130	30	
Methylene chloride	ND	81	90	10.5	65			70 - 130	30	m
o-Xylene	ND	90	100	10.5	77			70 - 130	30	
Styrene	ND	90	99	9.5	77			70 - 130	30	
Tetrachloroethene	ND	90	101	11.5	75			70 - 130	30	
Toluene	ND	88	96	8.7	77			70 - 130	30	
trans-1,2-Dichloroethene	ND	88	97	9.7	71			70 - 130	30	
trans-1,3-Dichloropropene	ND	95	106	10.9	78			70 - 130	30	
Trichloroethene	ND	86	96	11.0	74			70 - 130	30	
Trichlorofluoromethane	ND	89	96	7.6	16			70 - 130	30	m
Trichlorotrifluoroethane	ND	91	103	12.4	47			70 - 130	30	m
Vinyl chloride	ND	80	88	9.5	76			70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	102			70 - 130	30	
% Bromofluorobenzene	93	101	101	0.0	102			70 - 130	30	
% Dibromofluoromethane	106	104	106	1.9	103			70 - 130	30	
% Toluene-d8	99	99	99	0.0	100			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

QA/QC Data

SDG I.D.: GBH83002

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 19, 2015

Sample Criteria Exceedences Report

GBH83002 - HESNY-TUCK

Criteria: NJ: ISCC, NRC, RC; NY: 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH83002	$8270_TCLR	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	1200	530	600	200	ug/Kg
BH83002	$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH83002	$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1200	530	1000	1000	ug/Kg
BH83002	$8270_TCLR	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1600	530	600	200	ug/Kg
BH83002	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	530	1000	1000	ug/Kg
BH83002	$8270_TCLR	Benzo(a)pyrene	NJ / Soil Remediation Standard / Non Res. Direct Contact	1100	530	200	200	ug/Kg
BH83002	$8270_TCLR	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	1100	530	200	200	ug/Kg
BH83002	$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1100	530	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 19, 2015

SDG I.D.: GBH83002

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4°C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe NY
Report to: Tim Carr
Invoice to: ↗

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RG Date: 3/12/15

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

Analysis Request: See Attached

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	5g Encore	Soil VOA [ ]Methanol [ ]S. Bisulfate [ ]H2O	GL Soil container (8) oz.	GL Soil container (4) oz.	40 ml VOA Vial [ ]As is [ ]HCl	GL Amber 1000ml [ ]As is [ ]H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
83002	TB-5 (0-10)	S	3/11/2015	2:00	3		2	1							

Relinquished by:	Accepted by:	Date:	Time:
		3/12/15	12:20
		3/12/15	14:35
		3/12/15	16:16

Comments, Special Requirements or Regulations:
Running attached Clean Earth Protocol for NJ disposal approval (13 tests)

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☒ Res. Criteria
☒ Non-Res. Criteria
☒ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Clean Earth Sampling Protocol
Hybrid

PARAMETERS		TOTAL PETROLEUM HYDROCARBONS (TPHC): GRO & DRO - Expanded to C44 (GRAB SAMPLE)	EPH (Extractable Petroleum Hydrocarbon)	TOTAL VOLATILE ORGANICS (TCL+10 & NJDEP SCC List + NJDEP SRS List)	TOTAL SEMIVOLATILE ORGANICS (TCL+10 & NJDEP SCC List + NJDEP SRS List)	Total Pesticides (TCL + NJDEP SRS List)	TAL Metals & Hexavalent Chromium and Mercury	TCLP METALS RCRA + Cu, Ni, Zn	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TCLP VOLATILE ORGANICS (GRAB SAMPLE)	TCLP SEMI VOLATILE ORGANICS	TCLP HERBICIDES	TCLP PESTICIDES
METHODS		8015M (expanded to C44)	Extractable Petroleum Hydrocarbon /EPH	8260B - with EnCore sampling devices	8270D	8081A/ 8151A	6000/ 7000	1311/6010	1010A	9040C	SW846 CHAPTER 7.3	8082A	1311/ 8260B	1311/ 8270D	1311/ 8151A	1311/ 8081B
	FREQUENCY															
HISTORIC FILL/ CONSTRUCTION FILL	Grab Sample Every 250 tons	X														
	Grab - every 1000 tons			X												
	5 point composite - every 1000 tons				X	X	X	X	X	X	X	X		X	X	X

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc.

Protocol for sampling requires the screening of each of the five (5) grab samples with a PID. The highest PID grab sample for every 1,000 tons is to be submitted for the VOC portion of the testing utilizing an ENCORE sampling device. The five (5) grab samples are then to be composited for every 1,000 tons and submitted for the remaining parameters.

In addition, Clean Earth of Carteret requires 1 EPH analysis every 100 cy, which can be analyzed from incoming loads.
CEP facility requires 1 grab sample every 250 tons to be analyzed for TPH-DRO/GRO-Extended to C44, which can be analyzed once need arises.
CE requests that enough grabs for TPHs are collected and put on hold for further analysis as needed.

PHOENIX
Environmental Laboratories, Inc.

Monday, March 23, 2015

Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH82998 - BH83001

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 23, 2015

SDG I.D.: GBH82998

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	14:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH82998

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	03/13/15	LK	SW6010C
Aluminum	8830	53	mg/Kg	03/16/15	LK	SW6010C
Arsenic	2.0	0.7	mg/Kg	03/13/15	LK	SW6010C
Barium	57.5	0.35	mg/Kg	03/13/15	LK	SW6010C
Beryllium	0.29	0.28	mg/Kg	03/13/15	LK	SW6010C
Calcium	104000	53	mg/Kg	03/16/15	LK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	03/13/15	LK	SW6010C
Cobalt	6.29	0.35	mg/Kg	03/13/15	LK	SW6010C
Chromium	21.3	0.35	mg/Kg	03/13/15	LK	SW6010C
Copper	23.1	0.35	mg/kg	03/13/15	LK	SW6010C
Iron	13000	53	mg/Kg	03/16/15	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	03/13/15	RS	SW7471B
Potassium	2680	5.3	mg/Kg	03/13/15	LK	SW6010C
Magnesium	57600	530	mg/Kg	03/16/15	LK	SW6010C
Manganese	192	3.5	mg/Kg	03/16/15	LK	SW6010C
Sodium	140	5.3	mg/Kg	03/13/15	LK	SW6010C
Nickel	12.7	0.35	mg/Kg	03/13/15	LK	SW6010C
Lead	37.1	0.35	mg/Kg	03/13/15	LK	SW6010C
Antimony	< 3.5	3.5	mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	03/13/15	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	03/13/15	LK	SW6010C
Vanadium	25.7	0.35	mg/Kg	03/13/15	LK	SW6010C
Zinc	65.6	0.35	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	84		%	03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	< 0.60	0.60	mg/Kg	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed			03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/13/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1221	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1232	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1242	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1248	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1254	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1260	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1262	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1268	ND	77	ug/Kg	03/13/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	59		%	03/13/15	AW	30 - 150 %
% TCMX	64		%	03/13/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,1-Dichloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,1-Dichloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dibromoethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dichloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dichloropropane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
2-Hexanone	ND	50	ug/kg	03/14/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	50	ug/kg	03/14/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/14/15	JLI	SW8260C
Benzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Bromochloromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Bromodichloromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Bromoform	ND	10	ug/kg	03/14/15	JLI	SW8260C
Bromomethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Carbon Disulfide	ND	10	ug/kg	03/14/15	JLI	SW8260C
Carbon tetrachloride	ND	10	ug/kg	03/14/15	JLI	SW8260C
Chlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Chloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Chloroform	ND	10	ug/kg	03/14/15	JLI	SW8260C
Chloromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Cyclohexane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Dibromochloromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Dichlorodifluoromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Isopropylbenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
m&p-Xylene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Methyl ethyl ketone	ND	60	ug/kg	03/14/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	ug/kg	03/14/15	JLI	SW8260C
Methylacetate	ND	30	ug/kg	03/14/15	JLI	SW8260C
Methylcyclohexane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Methylene chloride	ND	10	ug/kg	03/14/15	JLI	SW8260C
o-Xylene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Styrene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Tetrachloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Toluene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Total Xylenes	ND	10	ug/kg	03/14/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Trichloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Trichlorofluoromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Vinyl chloride	ND	10	ug/kg	03/14/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	84		%	03/14/15	JLI	70 - 130 %
% Dibromofluoromethane	101		%	03/14/15	JLI	70 - 130 %
% Toluene-d8	89		%	03/14/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/14/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	540	ug/Kg	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND	1200	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2-Chlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2-Methylnaphthalene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/13/15	DD	SW8270D
2-Nitroaniline	ND	1200	ug/Kg	03/13/15	DD	SW8270D
2-Nitrophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	770	ug/Kg	03/13/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	930	ug/Kg	03/13/15	DD	SW8270D
3-Nitroaniline	ND	1200	ug/Kg	03/13/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	2200	ug/Kg	03/13/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	770	ug/Kg	03/13/15	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	540	ug/Kg	03/13/15	DD	SW8270D	
4-Chloroaniline	ND	540	ug/Kg	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	540	ug/Kg	03/13/15	DD	SW8270D	
4-Nitroaniline	ND	1200	ug/Kg	03/13/15	DD	SW8270D	
4-Nitrophenol	ND	2200	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthylene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Acetophenone	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Anthracene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Atrazine	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Benz(a)anthracene	980	540	ug/Kg	03/13/15	DD	SW8270D	
Benzaldehyde	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Benzo(a)pyrene	870	540	ug/Kg	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	1100	540	ug/Kg	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	770	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	540	ug/Kg	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Caprolactam	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Carbazole	ND	2200	ug/Kg	03/13/15	DD	SW8270D	
Chrysene	970	540	ug/Kg	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Dibenzofuran	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Diethyl phthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Dimethylphthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Fluoranthene	1400	540	ug/Kg	03/13/15	DD	SW8270D	
Fluorene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Hexachloroethane	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Isophorone	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Naphthalene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Nitrobenzene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	770	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	540	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	770	ug/Kg	03/13/15	DD	SW8270D	
Pentachlorophenol	ND	770	ug/Kg	03/13/15	DD	SW8270D	
Phenanthrene	1300	540	ug/Kg	03/13/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Pyrene	1100	540	ug/Kg	03/13/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	86		%	03/13/15	DD	30 - 130 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (0-2)

Phoenix I.D.: BH82998

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	68		%	03/13/15	DD	30 - 130 %
% 2-Fluorophenol	73		%	03/13/15	DD	30 - 130 %
% Nitrobenzene-d5	74		%	03/13/15	DD	30 - 130 %
% Phenol-d5	76		%	03/13/15	DD	30 - 130 %
% Terphenyl-d14	55		%	03/13/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

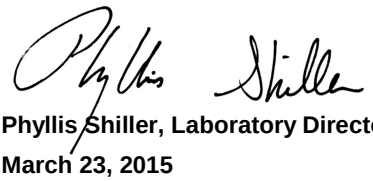
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 23, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

March 23, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	14:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH82999

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	03/13/15	LK	SW6010C
Aluminum	6520	56	mg/Kg	03/13/15	LK	SW6010C
Arsenic	1.5	0.8	mg/Kg	03/13/15	LK	SW6010C
Barium	33.2	0.38	mg/Kg	03/13/15	LK	SW6010C
Beryllium	< 0.30	0.30	mg/Kg	03/13/15	LK	SW6010C
Calcium	146000	560	mg/Kg	03/16/15	LK	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	03/13/15	LK	SW6010C
Cobalt	4.65	0.38	mg/Kg	03/13/15	LK	SW6010C
Chromium	12.1	0.38	mg/Kg	03/13/15	LK	SW6010C
Copper	15.7	0.38	mg/kg	03/13/15	LK	SW6010C
Iron	9010	56	mg/Kg	03/13/15	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	03/13/15	RS	SW7471B
Potassium	1820	5.6	mg/Kg	03/13/15	LK	SW6010C
Magnesium	91300	560	mg/Kg	03/16/15	LK	SW6010C
Manganese	166	3.8	mg/Kg	03/13/15	LK	SW6010C
Sodium	78.4	5.6	mg/Kg	03/13/15	LK	SW6010C
Nickel	8.72	0.38	mg/Kg	03/13/15	LK	SW6010C
Lead	14.9	0.38	mg/Kg	03/13/15	LK	SW6010C
Antimony	< 3.8	3.8	mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/13/15	LK	SW6010C
Thallium	< 3.4	3.4	mg/Kg	03/13/15	LK	SW6010C
Vanadium	16.3	0.38	mg/Kg	03/13/15	LK	SW6010C
Zinc	55.2	0.38	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	91		%	03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	1.49	0.55	mg/Kg	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed			03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/13/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1221	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1232	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1242	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1248	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1254	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1260	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1262	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1268	ND	72	ug/Kg	03/13/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	73		%	03/13/15	AW	30 - 150 %
% TCMX	77		%	03/13/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
2-Hexanone	ND	33	ug/kg	03/16/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	ug/kg	03/16/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/16/15	JLI	SW8260C
Benzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Bromochloromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Bromodichloromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Bromoform	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Bromomethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Carbon Disulfide	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Carbon tetrachloride	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Chlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Chloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Chloroform	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Chloromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Cyclohexane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Dibromochloromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Isopropylbenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
m&p-Xylene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Methyl ethyl ketone	ND	39	ug/kg	03/16/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/kg	03/16/15	JLI	SW8260C
Methylacetate	ND	15	ug/kg	03/16/15	JLI	SW8260C
Methylcyclohexane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Methylene chloride	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
o-Xylene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Styrene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Tetrachloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Toluene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Total Xylenes	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Trichloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Vinyl chloride	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/16/15	JLI	70 - 130 %
% Bromofluorobenzene	91		%	03/16/15	JLI	70 - 130 %
% Dibromofluoromethane	105		%	03/16/15	JLI	70 - 130 %
% Toluene-d8	99		%	03/16/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/16/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/16/15	JLI	70 - 130 %
% Bromofluorobenzene	94		%	03/16/15	JLI	70 - 130 %
% Toluene-d8	99		%	03/16/15	JLI	70 - 130 %
Semivolatiles						
1,1-Biphenyl	ND	500	ug/Kg	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND	1100	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND	500	ug/Kg	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND	500	ug/Kg	03/13/15	DD	SW8270D
2-Chlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2-Methylnaphthalene	810	500	ug/Kg	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/13/15	DD	SW8270D
2-Nitroaniline	ND	1100	ug/Kg	03/13/15	DD	SW8270D
2-Nitrophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	710	ug/Kg	03/13/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	850	ug/Kg	03/13/15	DD	SW8270D	
3-Nitroaniline	ND	1100	ug/Kg	03/13/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	2100	ug/Kg	03/13/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	710	ug/Kg	03/13/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	500	ug/Kg	03/13/15	DD	SW8270D	
4-Chloroaniline	ND	500	ug/Kg	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	500	ug/Kg	03/13/15	DD	SW8270D	
4-Nitroaniline	ND	1100	ug/Kg	03/13/15	DD	SW8270D	
4-Nitrophenol	ND	2100	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthylene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Acetophenone	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Anthracene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Atrazine	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Benz(a)anthracene	790	500	ug/Kg	03/13/15	DD	SW8270D	
Benzaldehyde	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Benzo(a)pyrene	700	500	ug/Kg	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	800	500	ug/Kg	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	710	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	500	ug/Kg	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Caprolactam	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Carbazole	ND	2100	ug/Kg	03/13/15	DD	SW8270D	
Chrysene	770	500	ug/Kg	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Dibenzofuran	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Diethyl phthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Dimethylphthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Fluoranthene	1300	500	ug/Kg	03/13/15	DD	SW8270D	
Fluorene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Hexachloroethane	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Isophorone	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Naphthalene	740	500	ug/Kg	03/13/15	DD	SW8270D	
Nitrobenzene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	710	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	500	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	710	ug/Kg	03/13/15	DD	SW8270D	
Pentachlorophenol	ND	710	ug/Kg	03/13/15	DD	SW8270D	
Phenanthrene	1400	500	ug/Kg	03/13/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Phenol	ND	330	ug/Kg	03/13/15	DD	SW8270D
Pyrene	1000	500	ug/Kg	03/13/15	DD	SW8270D
QA/QC Surrogates						
% 2,4,6-Tribromophenol	91		%	03/13/15	DD	30 - 130 %
% 2-Fluorobiphenyl	76		%	03/13/15	DD	30 - 130 %
% 2-Fluorophenol	76		%	03/13/15	DD	30 - 130 %
% Nitrobenzene-d5	80		%	03/13/15	DD	30 - 130 %
% Phenol-d5	80		%	03/13/15	DD	30 - 130 %
% Terphenyl-d14	63		%	03/13/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

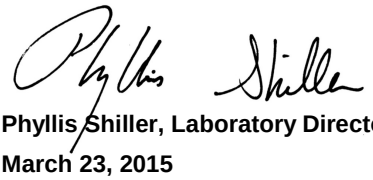
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 23, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	11:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH83000

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	03/13/15	LK	SW6010C
Aluminum	8980	62	mg/Kg	03/16/15	LK	SW6010C
Arsenic	3.5	0.8	mg/Kg	03/13/15	LK	SW6010C
Barium	50.3	0.41	mg/Kg	03/13/15	LK	SW6010C
Beryllium	< 0.33	0.33	mg/Kg	03/13/15	LK	SW6010C
Calcium	58000	62	mg/Kg	03/16/15	LK	SW6010C
Cadmium	0.96	0.41	mg/Kg	03/13/15	LK	SW6010C
Cobalt	4.25	0.41	mg/Kg	03/13/15	LK	SW6010C
Chromium	16.5	0.41	mg/Kg	03/13/15	LK	SW6010C
Copper	23.8	0.41	mg/kg	03/13/15	LK	SW6010C
Iron	9530	6.2	mg/Kg	03/13/15	LK	SW6010C
Mercury	0.05	0.03	mg/Kg	03/13/15	RS	SW7471B
Potassium	1370	6.2	mg/Kg	03/13/15	LK	SW6010C
Magnesium	20600	62	mg/Kg	03/16/15	LK	SW6010C
Manganese	130	0.41	mg/Kg	03/13/15	LK	SW6010C
Sodium	349	6.2	mg/Kg	03/13/15	LK	SW6010C
Nickel	11.4	0.41	mg/Kg	03/13/15	LK	SW6010C
Lead	162	0.41	mg/Kg	03/13/15	LK	SW6010C
Antimony	< 4.1	4.1	mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	03/13/15	LK	SW6010C
Thallium	< 3.7	3.7	mg/Kg	03/13/15	LK	SW6010C
Vanadium	27.1	0.41	mg/Kg	03/13/15	LK	SW6010C
Zinc	65.3	0.41	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	82		%	03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	< 0.61	0.61	mg/Kg	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed			03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/13/15	I/I	SW7471B

Parameter	Result		RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls							
PCB-1016	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1221	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1232	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1242	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1248	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1254	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1260	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1262	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1268	ND		80	ug/Kg	03/13/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Interference			%	03/13/15	AW	30 - 150 %
% TCMX	83			%	03/13/15	AW	30 - 150 %
Volatiles (TCL)							
1,1,1-Trichloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,1,2,2-Tetrachloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,1,2-Trichloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,1-Dichloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,1-Dichloroethene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,2,3-Trichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,2,4-Trichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,2-Dibromo-3-chloropropane	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,2-Dibromoethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichloropropane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,3-Dichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,4-Dichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
2-Hexanone	ND		38	ug/kg	03/14/15	J/P	SW8260C
4-Methyl-2-pentanone	ND		38	ug/kg	03/14/15	J/P	SW8260C
Acetone	ND		50	ug/kg	03/14/15	J/P	SW8260C
Benzene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Bromochloromethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Bromodichloromethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Bromoform	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Bromomethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Carbon Disulfide	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Carbon tetrachloride	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Chlorobenzene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Chloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Chloroform	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Chloromethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
cis-1,2-Dichloroethene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
cis-1,3-Dichloropropene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Cyclohexane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Dibromochloromethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Dichlorodifluoromethane	420	E	7.6	ug/kg	03/14/15	J/P	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	23	7.6	ug/kg	03/14/15	J/P	SW8260C
Isopropylbenzene	ND	290	ug/kg	03/14/15	J/P	SW8260C
m&p-Xylene	21	7.6	ug/kg	03/14/15	J/P	SW8260C
Methyl ethyl ketone	ND	46	ug/kg	03/14/15	J/P	SW8260C
Methyl t-butyl ether (MTBE)	ND	15	ug/kg	03/14/15	J/P	SW8260C
Methylacetate	ND	24	ug/kg	03/14/15	J/P	SW8260C
Methylcyclohexane	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Methylene chloride	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
o-Xylene	10	7.6	ug/kg	03/14/15	J/P	SW8260C
Styrene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Tetrachloroethene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Toluene	420	310	ug/kg	03/17/15	J/P	SW8260C
Total Xylenes	31	7.6	ug/kg	03/14/15	J/P	SW8260C
trans-1,2-Dichloroethene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
trans-1,3-Dichloropropene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Trichloroethene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Trichlorofluoromethane	75	7.6	ug/kg	03/14/15	J/P	SW8260C
Trichlorotrifluoroethane	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Vinyl chloride	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	100		%	03/14/15	J/P	70 - 130 %
% Bromofluorobenzene	93		%	03/14/15	J/P	70 - 130 %
% Dibromofluoromethane	126		%	03/14/15	J/P	70 - 130 %
% Toluene-d8	77		%	03/14/15	J/P	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/14/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	70		%	03/14/15	JLI	70 - 130 %
% Toluene-d8	78		%	03/14/15	JLI	70 - 130 %
Semivolatiles						
1,1-Biphenyl	ND	560	ug/Kg	03/15/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4-Dichlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4-Dimethylphenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/15/15	DD	SW8270D
2,4-Dinitrotoluene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,6-Dinitrotoluene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2-Chloronaphthalene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2-Chlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2-Methylnaphthalene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/15/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/15/15	DD	SW8270D
2-Nitrophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	800	ug/Kg	03/15/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Phoenix I.D.: BH83000

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	960	ug/Kg	03/15/15	DD	SW8270D	
3-Nitroaniline	ND	1300	ug/Kg	03/15/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	2300	ug/Kg	03/15/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	800	ug/Kg	03/15/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	560	ug/Kg	03/15/15	DD	SW8270D	
4-Chloroaniline	ND	560	ug/Kg	03/15/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	560	ug/Kg	03/15/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/15/15	DD	SW8270D	
4-Nitrophenol	ND	2300	ug/Kg	03/15/15	DD	SW8270D	
Acenaphthene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Acenaphthylene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Acetophenone	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Anthracene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Atrazine	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benz(a)anthracene	590	560	ug/Kg	03/15/15	DD	SW8270D	
Benzaldehyde	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzo(a)pyrene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzo(ghi)perylene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzyl butyl phthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	800	ug/Kg	03/15/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	560	ug/Kg	03/15/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	640	560	ug/Kg	03/15/15	DD	SW8270D	
Caprolactam	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Carbazole	ND	2300	ug/Kg	03/15/15	DD	SW8270D	
Chrysene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/15/15	DD	SW8270D	
Dibenzofuran	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Diethyl phthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Dimethylphthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Di-n-butylphthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Di-n-octylphthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Fluoranthene	860	560	ug/Kg	03/15/15	DD	SW8270D	
Fluorene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Hexachlorobenzene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Hexachlorobutadiene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Hexachloroethane	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	03/15/15	DD	SW8270D	
Isophorone	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Naphthalene	2600	560	ug/Kg	03/15/15	DD	SW8270D	
Nitrobenzene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	800	ug/Kg	03/15/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	560	ug/Kg	03/15/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	800	ug/Kg	03/15/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/15/15	DD	SW8270D	
Phenanthrene	1500	560	ug/Kg	03/15/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Phoenix I.D.: BH83000

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Phenol	ND	330	ug/Kg	03/15/15	DD	SW8270D
Pyrene	650	560	ug/Kg	03/15/15	DD	SW8270D
QA/QC Surrogates						
% 2,4,6-Tribromophenol	77		%	03/15/15	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	03/15/15	DD	30 - 130 %
% 2-Fluorophenol	63		%	03/15/15	DD	30 - 130 %
% Nitrobenzene-d5	67		%	03/15/15	DD	30 - 130 %
% Phenol-d5	68		%	03/15/15	DD	30 - 130 %
% Terphenyl-d14	58		%	03/15/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 23, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	11:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH83001

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	03/13/15	LK	SW6010C
Aluminum	6790	59	mg/Kg	03/13/15	LK	SW6010C
Arsenic	5.7	0.8	mg/Kg	03/13/15	LK	SW6010C
Barium	71.0	0.40	mg/Kg	03/13/15	LK	SW6010C
Beryllium	< 0.32	0.32	mg/Kg	03/13/15	LK	SW6010C
Calcium	75000	59	mg/Kg	03/13/15	LK	SW6010C
Cadmium	0.46	0.40	mg/Kg	03/13/15	LK	SW6010C
Cobalt	6.74	0.40	mg/Kg	03/13/15	LK	SW6010C
Chromium	24.1	0.40	mg/Kg	03/13/15	LK	SW6010C
Copper	61.0	0.40	mg/kg	03/13/15	LK	SW6010C
Iron	16100	59	mg/Kg	03/13/15	LK	SW6010C
Mercury	0.56	0.03	mg/Kg	03/13/15	RS	SW7471B
Potassium	1770	5.9	mg/Kg	03/13/15	LK	SW6010C
Magnesium	10400	59	mg/Kg	03/13/15	LK	SW6010C
Manganese	247	4.0	mg/Kg	03/13/15	LK	SW6010C
Sodium	257	5.9	mg/Kg	03/13/15	LK	SW6010C
Nickel	16.5	0.40	mg/Kg	03/13/15	LK	SW6010C
Lead	188	4.0	mg/Kg	03/13/15	LK	SW6010C
Antimony	< 4.0	4.0	mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	03/13/15	LK	SW6010C
Thallium	< 3.6	3.6	mg/Kg	03/13/15	LK	SW6010C
Vanadium	36.6	0.40	mg/Kg	03/13/15	LK	SW6010C
Zinc	146	0.40	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	80		%	03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	0.93	0.63	mg/Kg	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed			03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/13/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1221	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1232	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1242	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1248	1300	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1254	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1260	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1262	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1268	ND	410	ug/Kg	03/16/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	71		%	03/16/15	AW	30 - 150 %
% TCMX	93		%	03/16/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,1,2-Trichloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,1-Dichloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,1-Dichloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dibromoethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichloropropane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,3-Dichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,4-Dichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
2-Hexanone	ND	50	ug/kg	03/14/15	J/P	SW8260C
4-Methyl-2-pentanone	ND	29	ug/kg	03/14/15	J/P	SW8260C
Acetone	ND	50	ug/kg	03/16/15	J/P	SW8260C
Benzene	22	5.8	ug/kg	03/14/15	J/P	SW8260C
Bromochloromethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Bromodichloromethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Bromoform	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Bromomethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Carbon Disulfide	6.8	5.8	ug/kg	03/14/15	J/P	SW8260C
Carbon tetrachloride	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Chlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Chloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Chloroform	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Chloromethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
cis-1,2-Dichloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
cis-1,3-Dichloropropene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Cyclohexane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Dibromochloromethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Dichlorodifluoromethane	390	320	ug/kg	03/16/15	J/P	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Isopropylbenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
m&p-Xylene	31	5.8	ug/kg	03/14/15	J/P	SW8260C
Methyl ethyl ketone	ND	40	ug/kg	03/14/15	J/P	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	03/14/15	J/P	SW8260C
Methylacetate	ND	15	ug/kg	03/14/15	J/P	SW8260C
Methylcyclohexane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Methylene chloride	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
o-Xylene	16	5.8	ug/kg	03/14/15	J/P	SW8260C
Styrene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Tetrachloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Toluene	770	320	ug/kg	03/16/15	J/P	SW8260C
Total Xylenes	47	5.8	ug/kg	03/14/15	J/P	SW8260C
trans-1,2-Dichloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
trans-1,3-Dichloropropene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Trichloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Trichlorofluoromethane	46	5.8	ug/kg	03/14/15	J/P	SW8260C
Trichlorotrifluoroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Vinyl chloride	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/14/15	J/P	70 - 130 %
% Bromofluorobenzene	81		%	03/14/15	J/P	70 - 130 %
% Dibromofluoromethane	107		%	03/14/15	J/P	70 - 130 %
% Toluene-d8	86		%	03/14/15	J/P	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/14/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	87		%	03/14/15	JLI	70 - 130 %
% Toluene-d8	87		%	03/14/15	JLI	70 - 130 %
Semivolatiles						
1,1-Biphenyl	ND	570	ug/Kg	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2-Chlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2-Methylnaphthalene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/13/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/13/15	DD	SW8270D
2-Nitrophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	1200	820	ug/Kg	03/13/15	DD	SW8270D 1

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	980	ug/Kg	03/13/15	DD	SW8270D	
3-Nitroaniline	ND	1300	ug/Kg	03/13/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	2400	ug/Kg	03/13/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	820	ug/Kg	03/13/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	570	ug/Kg	03/13/15	DD	SW8270D	
4-Chloroaniline	ND	570	ug/Kg	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	570	ug/Kg	03/13/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/13/15	DD	SW8270D	
4-Nitrophenol	ND	2400	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthylene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Acetophenone	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Anthracene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Atrazine	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benz(a)anthracene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzaldehyde	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzo(a)pyrene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	590	570	ug/Kg	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	820	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	570	ug/Kg	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	900	570	ug/Kg	03/13/15	DD	SW8270D	
Caprolactam	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Carbazole	ND	2400	ug/Kg	03/13/15	DD	SW8270D	
Chrysene	580	570	ug/Kg	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Dibenzofuran	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Diethyl phthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Dimethylphthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Fluoranthene	930	570	ug/Kg	03/13/15	DD	SW8270D	
Fluorene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Hexachloroethane	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Isophorone	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Naphthalene	740	570	ug/Kg	03/13/15	DD	SW8270D	
Nitrobenzene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	820	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	570	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	820	ug/Kg	03/13/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/13/15	DD	SW8270D	
Phenanthrene	1400	570	ug/Kg	03/13/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Phenol	ND	330	ug/Kg	03/13/15	DD	SW8270D
Pyrene	750	570	ug/Kg	03/13/15	DD	SW8270D
QA/QC Surrogates						
% 2,4,6-Tribromophenol	94		%	03/13/15	DD	30 - 130 %
% 2-Fluorobiphenyl	75		%	03/13/15	DD	30 - 130 %
% 2-Fluorophenol	76		%	03/13/15	DD	30 - 130 %
% Nitrobenzene-d5	80		%	03/13/15	DD	30 - 130 %
% Phenol-d5	81		%	03/13/15	DD	30 - 130 %
% Terphenyl-d14	65		%	03/13/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

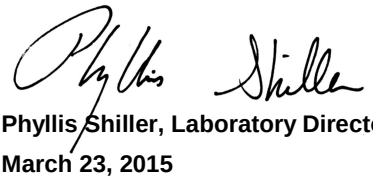
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 23, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-5 (0-2)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH82998

Sample wt/vol: 15.41 (g/mL) g Lab File ID: 0313_16.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 16 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.630	700	JN
000143-07-7	Dodecanoic acid	11.930	1500	JN
000544-63-8	Tetradecanoic acid	13.480	890	JN
000057-10-3	Hexadecanoic acid	14.920	4200	JN
000112-80-1	9-Octadecenoic acid (Z)-	16.070	1100	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-5 (12-14)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH82999

Sample wt/vol: 15.49 (g/mL) g Lab File ID: 0313_17.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 9 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.630	860	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	6.520	720	JN
000630-02-4	Octacosane	9.650	750	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-7 (6-8)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH83000

Sample wt/vol: 15.29 (g/mL) g Lab File ID: 0313_18.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 18 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 10

Injection Volume: 2 (uL)

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	13.030	4000	JN
	Unknown	13.500	13000	JN
000057-10-3	Hexadecanoic acid	15.000	140000	JN
000057-11-4	Octadecanoic acid	16.230	7600	JN
	Unknown	17.070	6000	JN
	Unknown	18.210	240000	JN
	Unknown	18.700	4100	JN
000050-53-3	Chlorpromazine	19.200	10000	JN
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	19.650	3300	JN
000630-07-9	Pentatriacontane	21.260	3700	JN
000630-06-8	Hexatriacontane	22.280	4200	JN
000058-95-7	Vitamin E acetate	22.800	4100	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-7 (10-12)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH83001

Sample wt/vol: 15.27 (g/mL) g Lab File ID: 0313_19.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 20 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.640	1200	JN
	Unknown	7.860	1000	JN
	Unknown	8.340	3100	JN
000334-48-5	Decanoic acid	9.340	4200	JN
	Unknown	10.250	2600	JN
000143-07-7	Dodecanoic acid	11.960	2500	JN
000544-63-8	Tetradecanoic acid	13.510	3400	JN
000057-10-3	Hexadecanoic acid	14.980	20000	JN
	Unknown	16.070	870	JN
000057-11-4	Octadecanoic acid	16.240	2500	JN
000050-33-9	Phenylbutazone	18.140	3500	JN
000050-53-3	Chlorpromazine	19.200	740	JN
000646-31-1	Tetracosane	21.270	1400	JN
000629-99-2	Pentacosane	22.290	990	JN

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 23, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 301433, QC Sample No: BH82721 (BH82998, BH82999, BH83000, BH83001)													
ICP Metals - Soil													
Aluminum	BRL	4660	5900	23.5	99.6	110	9.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.2	<3.3	NC	84.3	85.4	1.3	87.8	87.3	0.6	75 - 125	30	
Arsenic	BRL	1.0	1.07	NC	93.9	103	9.2	90.2	89.5	0.8	75 - 125	30	
Barium	BRL	26.3	29.2	10.5	107	114	6.3	105	106	0.9	75 - 125	30	
Beryllium	BRL	0.27	0.28	NC	99.8	105	5.1	96.5	96.3	0.2	75 - 125	30	
Cadmium	BRL	<0.32	<0.33	NC	89.7	92.1	2.6	92.6	92.3	0.3	75 - 125	30	
Calcium	BRL	474	469	1.10	98.9	107	7.9	>130	>130	NC	75 - 125	30	m
Chromium	BRL	11.0	12.7	14.3	102	107	4.8	101	99.2	1.8	75 - 125	30	
Cobalt	BRL	3.99	4.34	8.40	89.2	93.3	4.5	96.1	96.1	0.0	75 - 125	30	
Copper	BRL	8.90	10.7	18.4	97.6	99.3	1.7	104	102	1.9	75 - 125	30	
Iron	BRL	13600	14300	5.00	85.3	93.6	9.3	NC	NC	NC	75 - 125	30	
Lead	BRL	2.7	3.28	NC	87.9	93.4	6.1	91.0	91.0	0.0	75 - 125	30	
Magnesium	BRL	1350	1470	8.50	100	108	7.7	NC	NC	NC	75 - 125	30	
Manganese	BRL	176	186	5.50	105	111	5.6	65.6	54.4	18.7	75 - 125	30	m
Nickel	BRL	7.53	8.05	6.70	103	105	1.9	95.8	94.5	1.4	75 - 125	30	
Potassium	BRL	534	610	13.3	96.3	105	8.6	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.3	<1.3	NC	86.5	93.5	7.8	77.5	78.9	1.8	75 - 125	30	
Silver	BRL	<0.32	<0.33	NC	102	108	5.7	95.5	95.1	0.4	75 - 125	30	
Sodium	BRL	49.1	51.5	4.80	105	113	7.3	124	>130	NC	75 - 125	30	m
Thallium	BRL	<2.9	<2.9	NC	95.2	102	6.9	92.8	92.7	0.1	75 - 125	30	
Vanadium	BRL	15.7	17.4	10.3	110	117	6.2	99.1	97.7	1.4	75 - 125	30	
Zinc	BRL	11.6	15.0	25.6	90.2	94.9	5.1	92.7	91.6	1.2	75 - 125	30	
QA/QC Batch 301496, QC Sample No: BH83088 (BH82998, BH82999, BH83000, BH83001)													
Mercury - Soil	BRL	0.07	0.08	NC	89.6	86.9	3.1	81.9	85.9	4.8	70 - 130	30	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

m = This parameter is outside laboratory ms/msd specified recovery limits.

PHOENIX

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QA/QC Report

March 23, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301345, QC Sample No: BH80701 (BH82998, BH82999, BH83000, BH83001)												
Total Cyanide (SW9010C Distillation)	BRL	<0.52	<0.52	NC	94.0			100			85 - 115	30

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 23, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301436, QC Sample No: BH82721 (BH82998, BH82999, BH83000, BH83001)									
Semivolatiles - Solid									
1,1-Biphenyl	ND	85	80	6.1	77	77	0.0	30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	85	81	4.8	73	73	0.0	30 - 130	30
2,3,4,6-tetrachlorophenol	ND	94	91	3.2	83	86	3.6	30 - 130	30
2,4,5-Trichlorophenol	ND	89	86	3.4	80	82	2.5	30 - 130	30
2,4,6-Trichlorophenol	ND	92	88	4.4	81	81	0.0	30 - 130	30
2,4-Dichlorophenol	ND	88	85	3.5	74	75	1.3	30 - 130	30
2,4-Dimethylphenol	ND	81	79	2.5	56	56	0.0	30 - 130	30
2,4-Dinitrophenol	ND	47	41	13.6	43	47	8.9	30 - 130	30
2,4-Dinitrotoluene	ND	101	97	4.0	92	94	2.2	30 - 130	30
2,6-Dinitrotoluene	ND	96	91	5.3	88	89	1.1	30 - 130	30
2-Chloronaphthalene	ND	83	78	6.2	76	75	1.3	30 - 130	30
2-Chlorophenol	ND	82	77	6.3	75	75	0.0	30 - 130	30
2-Methylnaphthalene	ND	87	82	5.9	74	74	0.0	30 - 130	30
2-Methylphenol (o-cresol)	ND	82	76	7.6	69	71	2.9	30 - 130	30
2-Nitroaniline	ND	121	114	6.0	101	97	4.0	30 - 130	30
2-Nitrophenol	ND	92	88	4.4	77	79	2.6	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	84	79	6.1	72	71	1.4	30 - 130	30
3,3'-Dichlorobenzidine	ND	89	81	9.4	68	68	0.0	30 - 130	30
3-Nitroaniline	ND	104	97	7.0	92	88	4.4	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	90	81	10.5	95	96	1.0	30 - 130	30
4-Bromophenyl phenyl ether	ND	87	83	4.7	78	83	6.2	30 - 130	30
4-Chloro-3-methylphenol	ND	92	89	3.3	77	78	1.3	30 - 130	30
4-Chloroaniline	ND	80	74	7.8	65	62	4.7	30 - 130	30
4-Chlorophenyl phenyl ether	ND	85	81	4.8	78	80	2.5	30 - 130	30
4-Nitroaniline	ND	95	90	5.4	86	86	0.0	30 - 130	30
4-Nitrophenol	ND	98	92	6.3	86	84	2.4	30 - 130	30
Acenaphthene	ND	86	80	7.2	77	78	1.3	30 - 130	30
Acenaphthylene	ND	84	80	4.9	75	77	2.6	30 - 130	30
Acetophenone	ND	85	78	8.6	77	76	1.3	30 - 130	30
Anthracene	ND	89	84	5.8	81	82	1.2	30 - 130	30
Atrazine	ND	101	96	5.1	89	90	1.1	30 - 130	30
Benz(a)anthracene	ND	91	84	8.0	80	81	1.2	30 - 130	30
Benzaldehyde	ND	91	79	14.1	118	124	5.0	30 - 130	30
Benzo(a)pyrene	ND	90	83	8.1	79	80	1.3	30 - 130	30
Benzo(b)fluoranthene	ND	88	81	8.3	78	78	0.0	30 - 130	30
Benzo(ghi)perylene	ND	99	92	7.3	86	89	3.4	30 - 130	30
Benzo(k)fluoranthene	ND	86	80	7.2	78	77	1.3	30 - 130	30
Benzyl butyl phthalate	ND	95	87	8.8	84	86	2.4	30 - 130	30
Bis(2-chloroethoxy)methane	ND	87	83	4.7	74	73	1.4	30 - 130	30
Bis(2-chloroethyl)ether	ND	68	62	9.2	62	61	1.6	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	75	69	8.3	68	68	0.0	30 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bis(2-ethylhexyl)phthalate	ND	91	83	9.2	79	81	2.5	30 - 130	30
Caprolactam	ND	85	82	3.6	73	74	1.4	30 - 130	30
Carbazole	ND	120	112	6.9	105	102	2.9	30 - 130	30
Chrysene	ND	98	90	8.5	87	88	1.1	30 - 130	30
Dibenz(a,h)anthracene	ND	97	90	7.5	85	87	2.3	30 - 130	30
Dibenzofuran	ND	89	83	7.0	79	80	1.3	30 - 130	30
Diethyl phthalate	ND	89	84	5.8	80	81	1.2	30 - 130	30
Dimethylphthalate	ND	88	83	5.8	79	80	1.3	30 - 130	30
Di-n-butylphthalate	ND	109	102	6.6	96	94	2.1	30 - 130	30
Di-n-octylphthalate	ND	83	77	7.5	71	74	4.1	30 - 130	30
Fluoranthene	ND	116	108	7.1	102	99	3.0	30 - 130	30
Fluorene	ND	87	82	5.9	79	80	1.3	30 - 130	30
Hexachlorobenzene	ND	83	78	6.2	74	78	5.3	30 - 130	30
Hexachlorobutadiene	ND	81	77	5.1	71	71	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	78	77	1.3	71	71	0.0	30 - 130	30
Hexachloroethane	ND	73	65	11.6	67	66	1.5	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	98	91	7.4	85	88	3.5	30 - 130	30
Isophorone	ND	81	77	5.1	69	69	0.0	30 - 130	30
Naphthalene	ND	81	77	5.1	70	70	0.0	30 - 130	30
Nitrobenzene	ND	81	74	9.0	74	74	0.0	30 - 130	30
N-Nitrosodimethylamine	ND	69	62	10.7	62	60	3.3	30 - 130	30
N-Nitrosodi-n-propylamine	ND	82	75	8.9	73	73	0.0	30 - 130	30
N-Nitrosodiphenylamine	ND	92	85	7.9	81	81	0.0	30 - 130	30
Pentachlorophenol	ND	92	87	5.6	80	83	3.7	30 - 130	30
Phenanthrene	ND	87	83	4.7	78	80	2.5	30 - 130	30
Phenol	ND	83	76	8.8	74	73	1.4	30 - 130	30
Pyrene	ND	118	111	6.1	104	101	2.9	30 - 130	30
% 2,4,6-Tribromophenol	76	84	78	7.4	74	74	0.0	30 - 130	30
% 2-Fluorobiphenyl	70	83	78	6.2	74	75	1.3	30 - 130	30
% 2-Fluorophenol	66	79	73	7.9	71	71	0.0	30 - 130	30
% Nitrobenzene-d5	70	80	74	7.8	74	73	1.4	30 - 130	30
% Phenol-d5	69	82	76	7.6	73	73	0.0	30 - 130	30
% Terphenyl-d14	94	129	119	8.1	112	109	2.7	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 301428, QC Sample No: BH82749 (BH82998, BH82999, BH83000, BH83001)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	91	93	2.2	79	79	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	91	90	1.1	77	78	1.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	81	107	103	3.8	91	86	5.6	30 - 150	30
% TCMX (Surrogate Rec)	76	99	100	1.0	82	78	5.0	30 - 150	30

QA/QC Batch 301658, QC Sample No: BH83614 (BH82998, BH83000, BH83001)

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	95	97	2.1	93	91	2.2	70 - 130	30

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2,2-Tetrachloroethane	ND	102	100	2.0	93	93	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	96	95	1.0	94	94	0.0	70 - 130	30	
1,1-Dichloroethane	ND	96	96	0.0	95	94	1.1	70 - 130	30	
1,1-Dichloroethene	ND	102	101	1.0	73	73	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	101	1.0	96	95	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	101	2.0	96	93	3.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	90	92	2.2	82	83	1.2	70 - 130	30	
1,2-Dibromoethane	ND	97	97	0.0	95	93	2.1	70 - 130	30	
1,2-Dichlorobenzene	ND	101	99	2.0	99	97	2.0	70 - 130	30	
1,2-Dichloroethane	ND	97	96	1.0	94	93	1.1	70 - 130	30	
1,2-Dichloropropane	ND	97	96	1.0	96	95	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	101	99	2.0	98	96	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	100	98	2.0	97	96	1.0	70 - 130	30	
1,4-dioxane	ND	105	120	13.3	109	104	4.7	70 - 130	30	
2-Hexanone	ND	86	85	1.2	83	82	1.2	70 - 130	30	
4-Methyl-2-pentanone	ND	91	92	1.1	89	88	1.1	70 - 130	30	
Acetone	ND	91	90	1.1	63	62	1.6	70 - 130	30	m
Benzene	ND	99	98	1.0	97	95	2.1	70 - 130	30	
Bromochloromethane	ND	99	99	0.0	96	97	1.0	70 - 130	30	
Bromodichloromethane	ND	100	99	1.0	90	90	0.0	70 - 130	30	
Bromoform	ND	92	93	1.1	80	80	0.0	70 - 130	30	
Bromomethane	ND	99	97	2.0	62	68	9.2	70 - 130	30	m
Carbon Disulfide	ND	101	101	0.0	70	69	1.4	70 - 130	30	m
Carbon tetrachloride	ND	95	95	0.0	89	88	1.1	70 - 130	30	
Chlorobenzene	ND	101	100	1.0	99	97	2.0	70 - 130	30	
Chloroethane	ND	87	84	3.5	33	33	0.0	70 - 130	30	m
Chloroform	ND	97	96	1.0	86	87	1.2	70 - 130	30	
Chloromethane	ND	87	86	1.2	90	88	2.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	99	99	0.0	97	97	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	99	2.0	92	92	0.0	70 - 130	30	
Cyclohexane	ND	88	88	0.0	94	94	0.0	70 - 130	30	
Dibromochloromethane	ND	100	97	3.0	86	87	1.2	70 - 130	30	
Dichlorodifluoromethane	ND	73	74	1.4	79	78	1.3	70 - 130	30	
Ethylbenzene	ND	102	100	2.0	98	97	1.0	70 - 130	30	
Isopropylbenzene	ND	99	97	2.0	98	97	1.0	70 - 130	30	
m&p-Xylene	ND	100	100	0.0	98	97	1.0	70 - 130	30	
Methyl ethyl ketone	ND	89	90	1.1	85	84	1.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	100	98	2.0	93	92	1.1	70 - 130	30	
Methylacetate	ND	99	101	2.0	97	97	0.0	70 - 130	30	
Methylcyclohexane	ND	95	96	1.0	97	95	2.1	70 - 130	30	
Methylene chloride	ND	97	95	2.1	91	90	1.1	70 - 130	30	
o-Xylene	ND	101	98	3.0	97	97	0.0	70 - 130	30	
Styrene	ND	100	98	2.0	98	98	0.0	70 - 130	30	
Tetrachloroethene	ND	102	99	3.0	97	96	1.0	70 - 130	30	
Toluene	ND	100	99	1.0	98	97	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	101	102	1.0	95	94	1.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	100	100	0.0	90	90	0.0	70 - 130	30	
Trichloroethene	ND	100	100	0.0	99	97	2.0	70 - 130	30	
Trichlorofluoromethane	ND	96	94	2.1	27	26	3.8	70 - 130	30	m
Trichlorotrifluoroethane	ND	101	100	1.0	78	75	3.9	70 - 130	30	
Vinyl chloride	ND	87	87	0.0	95	94	1.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	101	1.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	93	99	99	0.0	99	99	0.0	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Dibromofluoromethane	100	99	98	1.0	96	98	2.1	70 - 130	30	
% Toluene-d8	93	99	99	0.0	98	98	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301653, QC Sample No: BH83614 (BH83000, BH83001)

Volatiles - Solid

% 1,2-dichlorobenzene-d4	101	100	101	1.0	101	101	0.0	70 - 130	30	
% Bromofluorobenzene	96	99	99	0.0	100	99	1.0	70 - 130	30	
% Toluene-d8	94	100	100	0.0	100	99	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301767, QC Sample No: BH83623 (BH82999, BH83001 (38X))

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	89	97	8.6	75			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	112	8.4	86			70 - 130	30	
1,1,2-Trichloroethane	ND	88	98	10.8	79			70 - 130	30	
1,1-Dichloroethane	ND	87	96	9.8	74			70 - 130	30	
1,1-Dichloroethene	ND	86	95	9.9	43			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	89	95	6.5	73			70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	92	4.4	75			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	91	100	9.4	74			70 - 130	30	
1,2-Dibromoethane	ND	90	100	10.5	78			70 - 130	30	
1,2-Dichlorobenzene	ND	88	95	7.7	76			70 - 130	30	
1,2-Dichloroethane	ND	87	97	10.9	72			70 - 130	30	
1,2-Dichloropropane	ND	86	94	8.9	74			70 - 130	30	
1,3-Dichlorobenzene	ND	86	94	8.9	74			70 - 130	30	
1,4-Dichlorobenzene	ND	86	93	7.8	75			70 - 130	30	
1,4-dioxane	ND	111	108	2.7	77			70 - 130	30	
2-Hexanone	ND	73	80	9.2	63			70 - 130	30	m
4-Methyl-2-pentanone	ND	83	90	8.1	77			70 - 130	30	
Acetone	ND	63	66	4.7	29			70 - 130	30	l,m
Benzene	ND	89	98	9.6	76			70 - 130	30	
Bromochloromethane	ND	91	102	11.4	77			70 - 130	30	
Bromodichloromethane	ND	94	103	9.1	76			70 - 130	30	
Bromoform	ND	101	115	13.0	80			70 - 130	30	
Bromomethane	ND	89	96	7.6	43			70 - 130	30	m
Carbon Disulfide	ND	92	101	9.3	45			70 - 130	30	m
Carbon tetrachloride	ND	93	102	9.2	77			70 - 130	30	
Chlorobenzene	ND	87	96	9.8	73			70 - 130	30	
Chloroethane	ND	79	89	11.9	19			70 - 130	30	m
Chloroform	ND	86	98	13.0	66			70 - 130	30	m
Chloromethane	ND	81	89	9.4	71			70 - 130	30	
cis-1,2-Dichloroethene	ND	88	96	8.7	75			70 - 130	30	
cis-1,3-Dichloropropene	ND	94	104	10.1	78			70 - 130	30	
Cyclohexane	ND	81	90	10.5	75			70 - 130	30	
Dibromochloromethane	ND	100	111	10.4	79			70 - 130	30	
Dichlorodifluoromethane	ND	79	89	11.9	72			70 - 130	30	
Ethylbenzene	ND	90	99	9.5	75			70 - 130	30	
Isopropylbenzene	ND	87	97	10.9	75			70 - 130	30	
m&p-Xylene	ND	89	99	10.6	76			70 - 130	30	
Methyl ethyl ketone	ND	77	82	6.3	66			70 - 130	30	m

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl t-butyl ether (MTBE)	ND	84	93	10.2	69			70 - 130	30	m
Methylacetate	ND	92	103	11.3	76			70 - 130	30	
Methylcyclohexane	ND	86	96	11.0	76			70 - 130	30	
Methylene chloride	ND	81	90	10.5	65			70 - 130	30	m
o-Xylene	ND	90	100	10.5	77			70 - 130	30	
Styrene	ND	90	99	9.5	77			70 - 130	30	
Tetrachloroethene	ND	90	101	11.5	75			70 - 130	30	
Toluene	ND	88	96	8.7	77			70 - 130	30	
trans-1,2-Dichloroethene	ND	88	97	9.7	71			70 - 130	30	
trans-1,3-Dichloropropene	ND	95	106	10.9	78			70 - 130	30	
Trichloroethene	ND	86	96	11.0	74			70 - 130	30	
Trichlorofluoromethane	ND	89	96	7.6	16			70 - 130	30	m
Trichlorotrifluoroethane	ND	91	103	12.4	47			70 - 130	30	m
Vinyl chloride	ND	80	88	9.5	76			70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	102			70 - 130	30	
% Bromofluorobenzene	93	101	101	0.0	102			70 - 130	30	
% Dibromofluoromethane	106	104	106	1.9	103			70 - 130	30	
% Toluene-d8	99	99	99	0.0	100			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301765, QC Sample No: BH83623 (BH82999)

Volatiles - Solid

% 1,2-dichlorobenzene-d4	101	100	100	0.0	102	100	2.0	70 - 130	30	
% Bromofluorobenzene	96	100	100	0.0	103	102	1.0	70 - 130	30	
% Toluene-d8	99	100	99	1.0	100	101	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301935, QC Sample No: BH83891 (BH83000 (45X))

Volatiles (TCL) - Solid

Toluene	ND	103	106	2.9	89	80	10.7	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 23, 2015

Sample Criteria Exceedences Report

GBH82998 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH82998	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	540	1000	1000	ug/Kg
BH82998	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	540	1000	1000	ug/Kg
BH82998	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	540	1000	1000	ug/Kg
BH83000	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	162	0.41	63	63	mg/Kg
BH83001	$8260_TCL_SM	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	770	320	700	700	ug/kg
BH83001	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Residential	1300	410	1000	1000	ug/Kg
BH83001	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1300	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	61.0	0.40	50	50	mg/kg
BH83001	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.56	0.03	0.18	0.18	mg/Kg
BH83001	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	188	4.0	63	63	mg/Kg
BH83001	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	146	0.40	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 23, 2015

SDG I.D.: GBH82998

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4°C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to:

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RGriffin Date: 3/12/15

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

Analysis Request:

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA ☒ Methanol [ ]S. Bisulfate ☒ H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ]As is [ ]HCl	GL Amber 1000ml [ ]As is [ ]H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
82998	TB-5 (0-2)	S	3/11/15	2:00							3	2								
82999	TB-5 (12-14)			2:00																
83000	TB-7 (6-8)			11:00																
83001	TB-7 (10-12)			11:00																

Relinquished by:	Accepted by:	Date:	Time:
		3/12/15	1220
		3/12/15	14:35
		3/12/15	16:16

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Monday, March 23, 2015

Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH82998 - BH83001

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

March 23, 2015

SDG I.D.: GBH82998

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	14:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH82998

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	03/13/15	LK	SW6010C
Aluminum	8830	53	mg/Kg	03/16/15	LK	SW6010C
Arsenic	2.0	0.7	mg/Kg	03/13/15	LK	SW6010C
Barium	57.5	0.35	mg/Kg	03/13/15	LK	SW6010C
Beryllium	0.29	0.28	mg/Kg	03/13/15	LK	SW6010C
Calcium	104000	53	mg/Kg	03/16/15	LK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	03/13/15	LK	SW6010C
Cobalt	6.29	0.35	mg/Kg	03/13/15	LK	SW6010C
Chromium	21.3	0.35	mg/Kg	03/13/15	LK	SW6010C
Copper	23.1	0.35	mg/kg	03/13/15	LK	SW6010C
Iron	13000	53	mg/Kg	03/16/15	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	03/13/15	RS	SW7471B
Potassium	2680	5.3	mg/Kg	03/13/15	LK	SW6010C
Magnesium	57600	530	mg/Kg	03/16/15	LK	SW6010C
Manganese	192	3.5	mg/Kg	03/16/15	LK	SW6010C
Sodium	140	5.3	mg/Kg	03/13/15	LK	SW6010C
Nickel	12.7	0.35	mg/Kg	03/13/15	LK	SW6010C
Lead	37.1	0.35	mg/Kg	03/13/15	LK	SW6010C
Antimony	< 3.5	3.5	mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	03/13/15	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	03/13/15	LK	SW6010C
Vanadium	25.7	0.35	mg/Kg	03/13/15	LK	SW6010C
Zinc	65.6	0.35	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	84		%	03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	< 0.60	0.60	mg/Kg	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed			03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/13/15	I/I	SW7471B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1221	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1232	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1242	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1248	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1254	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1260	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1262	ND	77	ug/Kg	03/13/15	AW	SW8082A
PCB-1268	ND	77	ug/Kg	03/13/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	59		%	03/13/15	AW	30 - 150 %
% TCMX	64		%	03/13/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,1-Dichloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,1-Dichloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dibromoethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dichloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,2-Dichloropropane	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
2-Hexanone	ND	50	ug/kg	03/14/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	50	ug/kg	03/14/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/14/15	JLI	SW8260C
Benzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Bromochloromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Bromodichloromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Bromoform	ND	10	ug/kg	03/14/15	JLI	SW8260C
Bromomethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Carbon Disulfide	ND	10	ug/kg	03/14/15	JLI	SW8260C
Carbon tetrachloride	ND	10	ug/kg	03/14/15	JLI	SW8260C
Chlorobenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Chloroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Chloroform	ND	10	ug/kg	03/14/15	JLI	SW8260C
Chloromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Cyclohexane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Dibromochloromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Dichlorodifluoromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Isopropylbenzene	ND	10	ug/kg	03/14/15	JLI	SW8260C
m&p-Xylene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Methyl ethyl ketone	ND	60	ug/kg	03/14/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	20	ug/kg	03/14/15	JLI	SW8260C
Methylacetate	ND	30	ug/kg	03/14/15	JLI	SW8260C
Methylcyclohexane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Methylene chloride	ND	10	ug/kg	03/14/15	JLI	SW8260C
o-Xylene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Styrene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Tetrachloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Toluene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Total Xylenes	ND	10	ug/kg	03/14/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Trichloroethene	ND	10	ug/kg	03/14/15	JLI	SW8260C
Trichlorofluoromethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	10	ug/kg	03/14/15	JLI	SW8260C
Vinyl chloride	ND	10	ug/kg	03/14/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	97		%	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	84		%	03/14/15	JLI	70 - 130 %
% Dibromofluoromethane	101		%	03/14/15	JLI	70 - 130 %
% Toluene-d8	89		%	03/14/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/14/15	JLI	SW8260C
Semivolatiles						
1,1-Biphenyl	ND	540	ug/Kg	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND	1200	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2-Chlorophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
2-Methylnaphthalene	ND	540	ug/Kg	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/13/15	DD	SW8270D
2-Nitroaniline	ND	1200	ug/Kg	03/13/15	DD	SW8270D
2-Nitrophenol	ND	540	ug/Kg	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	770	ug/Kg	03/13/15	DD	SW8270D 1
3,3'-Dichlorobenzidine	ND	930	ug/Kg	03/13/15	DD	SW8270D
3-Nitroaniline	ND	1200	ug/Kg	03/13/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	2200	ug/Kg	03/13/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	770	ug/Kg	03/13/15	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	540	ug/Kg	03/13/15	DD	SW8270D	
4-Chloroaniline	ND	540	ug/Kg	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	540	ug/Kg	03/13/15	DD	SW8270D	
4-Nitroaniline	ND	1200	ug/Kg	03/13/15	DD	SW8270D	
4-Nitrophenol	ND	2200	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthylene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Acetophenone	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Anthracene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Atrazine	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Benz(a)anthracene	980	540	ug/Kg	03/13/15	DD	SW8270D	
Benzaldehyde	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Benzo(a)pyrene	870	540	ug/Kg	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	1100	540	ug/Kg	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	770	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	540	ug/Kg	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Caprolactam	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Carbazole	ND	2200	ug/Kg	03/13/15	DD	SW8270D	
Chrysene	970	540	ug/Kg	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Dibenzofuran	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Diethyl phthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Dimethylphthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Fluoranthene	1400	540	ug/Kg	03/13/15	DD	SW8270D	
Fluorene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Hexachloroethane	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Isophorone	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Naphthalene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
Nitrobenzene	ND	540	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	770	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	540	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	770	ug/Kg	03/13/15	DD	SW8270D	
Pentachlorophenol	ND	770	ug/Kg	03/13/15	DD	SW8270D	
Phenanthrene	1300	540	ug/Kg	03/13/15	DD	SW8270D	
Phenol	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Pyrene	1100	540	ug/Kg	03/13/15	DD	SW8270D	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	86		%	03/13/15	DD	30 - 130 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (0-2)

Phoenix I.D.: BH82998

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	68		%	03/13/15	DD	30 - 130 %
% 2-Fluorophenol	73		%	03/13/15	DD	30 - 130 %
% Nitrobenzene-d5	74		%	03/13/15	DD	30 - 130 %
% Phenol-d5	76		%	03/13/15	DD	30 - 130 %
% Terphenyl-d14	55		%	03/13/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

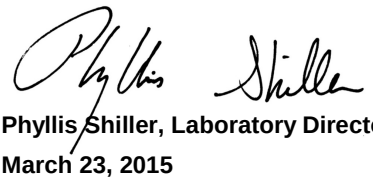
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
March 23, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

March 23, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	14:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH82999

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	03/13/15	LK	SW6010C
Aluminum	6520	56	mg/Kg	03/13/15	LK	SW6010C
Arsenic	1.5	0.8	mg/Kg	03/13/15	LK	SW6010C
Barium	33.2	0.38	mg/Kg	03/13/15	LK	SW6010C
Beryllium	< 0.30	0.30	mg/Kg	03/13/15	LK	SW6010C
Calcium	146000	560	mg/Kg	03/16/15	LK	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	03/13/15	LK	SW6010C
Cobalt	4.65	0.38	mg/Kg	03/13/15	LK	SW6010C
Chromium	12.1	0.38	mg/Kg	03/13/15	LK	SW6010C
Copper	15.7	0.38	mg/kg	03/13/15	LK	SW6010C
Iron	9010	56	mg/Kg	03/13/15	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	03/13/15	RS	SW7471B
Potassium	1820	5.6	mg/Kg	03/13/15	LK	SW6010C
Magnesium	91300	560	mg/Kg	03/16/15	LK	SW6010C
Manganese	166	3.8	mg/Kg	03/13/15	LK	SW6010C
Sodium	78.4	5.6	mg/Kg	03/13/15	LK	SW6010C
Nickel	8.72	0.38	mg/Kg	03/13/15	LK	SW6010C
Lead	14.9	0.38	mg/Kg	03/13/15	LK	SW6010C
Antimony	< 3.8	3.8	mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	03/13/15	LK	SW6010C
Thallium	< 3.4	3.4	mg/Kg	03/13/15	LK	SW6010C
Vanadium	16.3	0.38	mg/Kg	03/13/15	LK	SW6010C
Zinc	55.2	0.38	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	91		%	03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	1.49	0.55	mg/Kg	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed			03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/13/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1221	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1232	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1242	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1248	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1254	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1260	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1262	ND	72	ug/Kg	03/13/15	AW	SW8082A
PCB-1268	ND	72	ug/Kg	03/13/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	73		%	03/13/15	AW	30 - 150 %
% TCMX	77		%	03/13/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
2-Hexanone	ND	33	ug/kg	03/16/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	ug/kg	03/16/15	JLI	SW8260C
Acetone	ND	50	ug/kg	03/16/15	JLI	SW8260C
Benzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Bromochloromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Bromodichloromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Bromoform	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Bromomethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Carbon Disulfide	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Carbon tetrachloride	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Chlorobenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Chloroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Chloroform	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Chloromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Cyclohexane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Dibromochloromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Isopropylbenzene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
m&p-Xylene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Methyl ethyl ketone	ND	39	ug/kg	03/16/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/kg	03/16/15	JLI	SW8260C
Methylacetate	ND	15	ug/kg	03/16/15	JLI	SW8260C
Methylcyclohexane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Methylene chloride	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
o-Xylene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Styrene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Tetrachloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Toluene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Total Xylenes	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Trichloroethene	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
Vinyl chloride	ND	6.5	ug/kg	03/16/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/16/15	JLI	70 - 130 %
% Bromofluorobenzene	91		%	03/16/15	JLI	70 - 130 %
% Dibromofluoromethane	105		%	03/16/15	JLI	70 - 130 %
% Toluene-d8	99		%	03/16/15	JLI	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/16/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/16/15	JLI	70 - 130 %
% Bromofluorobenzene	94		%	03/16/15	JLI	70 - 130 %
% Toluene-d8	99		%	03/16/15	JLI	70 - 130 %
Semivolatiles						
1,1-Biphenyl	ND	500	ug/Kg	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND	1100	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND	500	ug/Kg	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND	500	ug/Kg	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND	500	ug/Kg	03/13/15	DD	SW8270D
2-Chlorophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
2-Methylnaphthalene	810	500	ug/Kg	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/13/15	DD	SW8270D
2-Nitroaniline	ND	1100	ug/Kg	03/13/15	DD	SW8270D
2-Nitrophenol	ND	500	ug/Kg	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	710	ug/Kg	03/13/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	850	ug/Kg	03/13/15	DD	SW8270D	
3-Nitroaniline	ND	1100	ug/Kg	03/13/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	2100	ug/Kg	03/13/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	710	ug/Kg	03/13/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	500	ug/Kg	03/13/15	DD	SW8270D	
4-Chloroaniline	ND	500	ug/Kg	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	500	ug/Kg	03/13/15	DD	SW8270D	
4-Nitroaniline	ND	1100	ug/Kg	03/13/15	DD	SW8270D	
4-Nitrophenol	ND	2100	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthylene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Acetophenone	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Anthracene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Atrazine	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Benz(a)anthracene	790	500	ug/Kg	03/13/15	DD	SW8270D	
Benzaldehyde	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Benzo(a)pyrene	700	500	ug/Kg	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	800	500	ug/Kg	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	710	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	500	ug/Kg	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Caprolactam	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Carbazole	ND	2100	ug/Kg	03/13/15	DD	SW8270D	
Chrysene	770	500	ug/Kg	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Dibenzofuran	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Diethyl phthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Dimethylphthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Fluoranthene	1300	500	ug/Kg	03/13/15	DD	SW8270D	
Fluorene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Hexachloroethane	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Isophorone	ND	500	ug/Kg	03/13/15	DD	SW8270D	
Naphthalene	740	500	ug/Kg	03/13/15	DD	SW8270D	
Nitrobenzene	ND	500	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	710	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	500	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	710	ug/Kg	03/13/15	DD	SW8270D	
Pentachlorophenol	ND	710	ug/Kg	03/13/15	DD	SW8270D	
Phenanthrene	1400	500	ug/Kg	03/13/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Phenol	ND	330	ug/Kg	03/13/15	DD	SW8270D
Pyrene	1000	500	ug/Kg	03/13/15	DD	SW8270D
QA/QC Surrogates						
% 2,4,6-Tribromophenol	91		%	03/13/15	DD	30 - 130 %
% 2-Fluorobiphenyl	76		%	03/13/15	DD	30 - 130 %
% 2-Fluorophenol	76		%	03/13/15	DD	30 - 130 %
% Nitrobenzene-d5	80		%	03/13/15	DD	30 - 130 %
% Phenol-d5	80		%	03/13/15	DD	30 - 130 %
% Terphenyl-d14	63		%	03/13/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

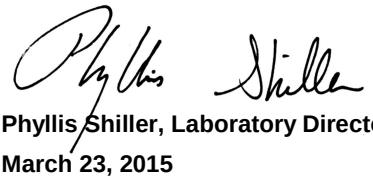
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 23, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	11:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH83000

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	03/13/15	LK	SW6010C
Aluminum	8980	62	mg/Kg	03/16/15	LK	SW6010C
Arsenic	3.5	0.8	mg/Kg	03/13/15	LK	SW6010C
Barium	50.3	0.41	mg/Kg	03/13/15	LK	SW6010C
Beryllium	< 0.33	0.33	mg/Kg	03/13/15	LK	SW6010C
Calcium	58000	62	mg/Kg	03/16/15	LK	SW6010C
Cadmium	0.96	0.41	mg/Kg	03/13/15	LK	SW6010C
Cobalt	4.25	0.41	mg/Kg	03/13/15	LK	SW6010C
Chromium	16.5	0.41	mg/Kg	03/13/15	LK	SW6010C
Copper	23.8	0.41	mg/kg	03/13/15	LK	SW6010C
Iron	9530	6.2	mg/Kg	03/13/15	LK	SW6010C
Mercury	0.05	0.03	mg/Kg	03/13/15	RS	SW7471B
Potassium	1370	6.2	mg/Kg	03/13/15	LK	SW6010C
Magnesium	20600	62	mg/Kg	03/16/15	LK	SW6010C
Manganese	130	0.41	mg/Kg	03/13/15	LK	SW6010C
Sodium	349	6.2	mg/Kg	03/13/15	LK	SW6010C
Nickel	11.4	0.41	mg/Kg	03/13/15	LK	SW6010C
Lead	162	0.41	mg/Kg	03/13/15	LK	SW6010C
Antimony	< 4.1	4.1	mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	03/13/15	LK	SW6010C
Thallium	< 3.7	3.7	mg/Kg	03/13/15	LK	SW6010C
Vanadium	27.1	0.41	mg/Kg	03/13/15	LK	SW6010C
Zinc	65.3	0.41	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	82		%	03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	< 0.61	0.61	mg/Kg	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed			03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/13/15	I/I	SW7471B

Parameter	Result		RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls							
PCB-1016	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1221	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1232	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1242	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1248	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1254	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1260	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1262	ND		80	ug/Kg	03/13/15	AW	SW8082A
PCB-1268	ND		80	ug/Kg	03/13/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Interference			%	03/13/15	AW	30 - 150 %
% TCMX	83			%	03/13/15	AW	30 - 150 %
Volatiles (TCL)							
1,1,1-Trichloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,1,2,2-Tetrachloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,1,2-Trichloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,1-Dichloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,1-Dichloroethene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,2,3-Trichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,2,4-Trichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,2-Dibromo-3-chloropropane	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,2-Dibromoethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichloropropane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
1,3-Dichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
1,4-Dichlorobenzene	ND		290	ug/kg	03/14/15	J/P	SW8260C
2-Hexanone	ND		38	ug/kg	03/14/15	J/P	SW8260C
4-Methyl-2-pentanone	ND		38	ug/kg	03/14/15	J/P	SW8260C
Acetone	ND		50	ug/kg	03/14/15	J/P	SW8260C
Benzene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Bromochloromethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Bromodichloromethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Bromoform	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Bromomethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Carbon Disulfide	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Carbon tetrachloride	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Chlorobenzene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Chloroethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Chloroform	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Chloromethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
cis-1,2-Dichloroethene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
cis-1,3-Dichloropropene	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Cyclohexane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Dibromochloromethane	ND		7.6	ug/kg	03/14/15	J/P	SW8260C
Dichlorodifluoromethane	420	E	7.6	ug/kg	03/14/15	J/P	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	23	7.6	ug/kg	03/14/15	J/P	SW8260C
Isopropylbenzene	ND	290	ug/kg	03/14/15	J/P	SW8260C
m&p-Xylene	21	7.6	ug/kg	03/14/15	J/P	SW8260C
Methyl ethyl ketone	ND	46	ug/kg	03/14/15	J/P	SW8260C
Methyl t-butyl ether (MTBE)	ND	15	ug/kg	03/14/15	J/P	SW8260C
Methylacetate	ND	24	ug/kg	03/14/15	J/P	SW8260C
Methylcyclohexane	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Methylene chloride	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
o-Xylene	10	7.6	ug/kg	03/14/15	J/P	SW8260C
Styrene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Tetrachloroethene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Toluene	420	310	ug/kg	03/17/15	J/P	SW8260C
Total Xylenes	31	7.6	ug/kg	03/14/15	J/P	SW8260C
trans-1,2-Dichloroethene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
trans-1,3-Dichloropropene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Trichloroethene	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Trichlorofluoromethane	75	7.6	ug/kg	03/14/15	J/P	SW8260C
Trichlorotrifluoroethane	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
Vinyl chloride	ND	7.6	ug/kg	03/14/15	J/P	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	100		%	03/14/15	J/P	70 - 130 %
% Bromofluorobenzene	93		%	03/14/15	J/P	70 - 130 %
% Dibromofluoromethane	126		%	03/14/15	J/P	70 - 130 %
% Toluene-d8	77		%	03/14/15	J/P	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/14/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	70		%	03/14/15	JLI	70 - 130 %
% Toluene-d8	78		%	03/14/15	JLI	70 - 130 %
Semivolatiles						
1,1-Biphenyl	ND	560	ug/Kg	03/15/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4-Dichlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4-Dimethylphenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/15/15	DD	SW8270D
2,4-Dinitrotoluene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2,6-Dinitrotoluene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2-Chloronaphthalene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2-Chlorophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
2-Methylnaphthalene	ND	560	ug/Kg	03/15/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/15/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/15/15	DD	SW8270D
2-Nitrophenol	ND	560	ug/Kg	03/15/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	800	ug/Kg	03/15/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Phoenix I.D.: BH83000

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	960	ug/Kg	03/15/15	DD	SW8270D	
3-Nitroaniline	ND	1300	ug/Kg	03/15/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	2300	ug/Kg	03/15/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	800	ug/Kg	03/15/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	560	ug/Kg	03/15/15	DD	SW8270D	
4-Chloroaniline	ND	560	ug/Kg	03/15/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	560	ug/Kg	03/15/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/15/15	DD	SW8270D	
4-Nitrophenol	ND	2300	ug/Kg	03/15/15	DD	SW8270D	
Acenaphthene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Acenaphthylene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Acetophenone	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Anthracene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Atrazine	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benz(a)anthracene	590	560	ug/Kg	03/15/15	DD	SW8270D	
Benzaldehyde	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzo(a)pyrene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzo(ghi)perylene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Benzyl butyl phthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	800	ug/Kg	03/15/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	560	ug/Kg	03/15/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	640	560	ug/Kg	03/15/15	DD	SW8270D	
Caprolactam	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Carbazole	ND	2300	ug/Kg	03/15/15	DD	SW8270D	
Chrysene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/15/15	DD	SW8270D	
Dibenzofuran	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Diethyl phthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Dimethylphthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Di-n-butylphthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Di-n-octylphthalate	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Fluoranthene	860	560	ug/Kg	03/15/15	DD	SW8270D	
Fluorene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Hexachlorobenzene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Hexachlorobutadiene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Hexachloroethane	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	03/15/15	DD	SW8270D	
Isophorone	ND	560	ug/Kg	03/15/15	DD	SW8270D	
Naphthalene	2600	560	ug/Kg	03/15/15	DD	SW8270D	
Nitrobenzene	ND	560	ug/Kg	03/15/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	800	ug/Kg	03/15/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	560	ug/Kg	03/15/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	800	ug/Kg	03/15/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/15/15	DD	SW8270D	
Phenanthrene	1500	560	ug/Kg	03/15/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Phoenix I.D.: BH83000

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Phenol	ND	330	ug/Kg	03/15/15	DD	SW8270D
Pyrene	650	560	ug/Kg	03/15/15	DD	SW8270D
QA/QC Surrogates						
% 2,4,6-Tribromophenol	77		%	03/15/15	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	03/15/15	DD	30 - 130 %
% 2-Fluorophenol	63		%	03/15/15	DD	30 - 130 %
% Nitrobenzene-d5	67		%	03/15/15	DD	30 - 130 %
% Phenol-d5	68		%	03/15/15	DD	30 - 130 %
% Terphenyl-d14	58		%	03/15/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 23, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 23, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	11:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH83001

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	03/13/15	LK	SW6010C
Aluminum	6790	59	mg/Kg	03/13/15	LK	SW6010C
Arsenic	5.7	0.8	mg/Kg	03/13/15	LK	SW6010C
Barium	71.0	0.40	mg/Kg	03/13/15	LK	SW6010C
Beryllium	< 0.32	0.32	mg/Kg	03/13/15	LK	SW6010C
Calcium	75000	59	mg/Kg	03/13/15	LK	SW6010C
Cadmium	0.46	0.40	mg/Kg	03/13/15	LK	SW6010C
Cobalt	6.74	0.40	mg/Kg	03/13/15	LK	SW6010C
Chromium	24.1	0.40	mg/Kg	03/13/15	LK	SW6010C
Copper	61.0	0.40	mg/kg	03/13/15	LK	SW6010C
Iron	16100	59	mg/Kg	03/13/15	LK	SW6010C
Mercury	0.56	0.03	mg/Kg	03/13/15	RS	SW7471B
Potassium	1770	5.9	mg/Kg	03/13/15	LK	SW6010C
Magnesium	10400	59	mg/Kg	03/13/15	LK	SW6010C
Manganese	247	4.0	mg/Kg	03/13/15	LK	SW6010C
Sodium	257	5.9	mg/Kg	03/13/15	LK	SW6010C
Nickel	16.5	0.40	mg/Kg	03/13/15	LK	SW6010C
Lead	188	4.0	mg/Kg	03/13/15	LK	SW6010C
Antimony	< 4.0	4.0	mg/Kg	03/13/15	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	03/13/15	LK	SW6010C
Thallium	< 3.6	3.6	mg/Kg	03/13/15	LK	SW6010C
Vanadium	36.6	0.40	mg/Kg	03/13/15	LK	SW6010C
Zinc	146	0.40	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	80		%	03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	0.93	0.63	mg/Kg	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed			03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed			03/13/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Total Metals Digest	Completed			03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1221	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1232	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1242	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1248	1300	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1254	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1260	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1262	ND	410	ug/Kg	03/16/15	AW	SW8082A
PCB-1268	ND	410	ug/Kg	03/16/15	AW	SW8082A
QA/QC Surrogates						
% DCBP	71		%	03/16/15	AW	30 - 150 %
% TCMX	93		%	03/16/15	AW	30 - 150 %
Volatiles (TCL)						
1,1,1-Trichloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,1,2-Trichloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,1-Dichloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,1-Dichloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dibromoethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,2-Dichloropropane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,3-Dichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
1,4-Dichlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
2-Hexanone	ND	50	ug/kg	03/14/15	J/P	SW8260C
4-Methyl-2-pentanone	ND	29	ug/kg	03/14/15	J/P	SW8260C
Acetone	ND	50	ug/kg	03/16/15	J/P	SW8260C
Benzene	22	5.8	ug/kg	03/14/15	J/P	SW8260C
Bromochloromethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Bromodichloromethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Bromoform	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Bromomethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Carbon Disulfide	6.8	5.8	ug/kg	03/14/15	J/P	SW8260C
Carbon tetrachloride	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Chlorobenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Chloroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Chloroform	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Chloromethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
cis-1,2-Dichloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
cis-1,3-Dichloropropene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Cyclohexane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Dibromochloromethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Dichlorodifluoromethane	390	320	ug/kg	03/16/15	J/P	SW8260C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Ethylbenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Isopropylbenzene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
m&p-Xylene	31	5.8	ug/kg	03/14/15	J/P	SW8260C
Methyl ethyl ketone	ND	40	ug/kg	03/14/15	J/P	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	03/14/15	J/P	SW8260C
Methylacetate	ND	15	ug/kg	03/14/15	J/P	SW8260C
Methylcyclohexane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Methylene chloride	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
o-Xylene	16	5.8	ug/kg	03/14/15	J/P	SW8260C
Styrene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Tetrachloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Toluene	770	320	ug/kg	03/16/15	J/P	SW8260C
Total Xylenes	47	5.8	ug/kg	03/14/15	J/P	SW8260C
trans-1,2-Dichloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
trans-1,3-Dichloropropene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Trichloroethene	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Trichlorofluoromethane	46	5.8	ug/kg	03/14/15	J/P	SW8260C
Trichlorotrifluoroethane	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
Vinyl chloride	ND	5.8	ug/kg	03/14/15	J/P	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/14/15	J/P	70 - 130 %
% Bromofluorobenzene	81		%	03/14/15	J/P	70 - 130 %
% Dibromofluoromethane	107		%	03/14/15	J/P	70 - 130 %
% Toluene-d8	86		%	03/14/15	J/P	70 - 130 %
1,4-dioxane						
1,4-dioxane	ND	100	ug/kg	03/14/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	87		%	03/14/15	JLI	70 - 130 %
% Toluene-d8	87		%	03/14/15	JLI	70 - 130 %
Semivolatiles						
1,1-Biphenyl	ND	570	ug/Kg	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND	1300	ug/Kg	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2-Chlorophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
2-Methylnaphthalene	ND	570	ug/Kg	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	03/13/15	DD	SW8270D
2-Nitroaniline	ND	1300	ug/Kg	03/13/15	DD	SW8270D
2-Nitrophenol	ND	570	ug/Kg	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	1200	820	ug/Kg	03/13/15	DD	SW8270D 1

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	980	ug/Kg	03/13/15	DD	SW8270D	
3-Nitroaniline	ND	1300	ug/Kg	03/13/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	2400	ug/Kg	03/13/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	820	ug/Kg	03/13/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	570	ug/Kg	03/13/15	DD	SW8270D	
4-Chloroaniline	ND	570	ug/Kg	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	570	ug/Kg	03/13/15	DD	SW8270D	
4-Nitroaniline	ND	1300	ug/Kg	03/13/15	DD	SW8270D	
4-Nitrophenol	ND	2400	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Acenaphthylene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Acetophenone	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Anthracene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Atrazine	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benz(a)anthracene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzaldehyde	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzo(a)pyrene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	590	570	ug/Kg	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	820	ug/Kg	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	570	ug/Kg	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	900	570	ug/Kg	03/13/15	DD	SW8270D	
Caprolactam	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Carbazole	ND	2400	ug/Kg	03/13/15	DD	SW8270D	
Chrysene	580	570	ug/Kg	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Dibenzofuran	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Diethyl phthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Dimethylphthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Fluoranthene	930	570	ug/Kg	03/13/15	DD	SW8270D	
Fluorene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Hexachloroethane	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	03/13/15	DD	SW8270D	
Isophorone	ND	570	ug/Kg	03/13/15	DD	SW8270D	
Naphthalene	740	570	ug/Kg	03/13/15	DD	SW8270D	
Nitrobenzene	ND	570	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	820	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	570	ug/Kg	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	820	ug/Kg	03/13/15	DD	SW8270D	
Pentachlorophenol	ND	800	ug/Kg	03/13/15	DD	SW8270D	
Phenanthrene	1400	570	ug/Kg	03/13/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Phenol	ND	330	ug/Kg	03/13/15	DD	SW8270D
Pyrene	750	570	ug/Kg	03/13/15	DD	SW8270D
QA/QC Surrogates						
% 2,4,6-Tribromophenol	94		%	03/13/15	DD	30 - 130 %
% 2-Fluorobiphenyl	75		%	03/13/15	DD	30 - 130 %
% 2-Fluorophenol	76		%	03/13/15	DD	30 - 130 %
% Nitrobenzene-d5	80		%	03/13/15	DD	30 - 130 %
% Phenol-d5	81		%	03/13/15	DD	30 - 130 %
% Terphenyl-d14	65		%	03/13/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed			03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

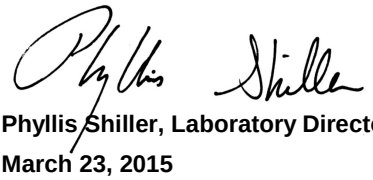
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 23, 2015
Reviewed and Released by: Phyllis Shiller, Laboratory Director

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-5 (0-2)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH82998

Sample wt/vol: 15.41 (g/mL) g Lab File ID: 0313_16.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 16 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.630	700	JN
000143-07-7	Dodecanoic acid	11.930	1500	JN
000544-63-8	Tetradecanoic acid	13.480	890	JN
000057-10-3	Hexadecanoic acid	14.920	4200	JN
000112-80-1	9-Octadecenoic acid (Z)-	16.070	1100	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TB-5 (12-14)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH82999

Sample wt/vol: 15.49 (g/mL) g Lab File ID: 0313_17.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 9 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.630	860	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	6.520	720	JN
000630-02-4	Octacosane	9.650	750	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-7 (6-8)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH83000

Sample wt/vol: 15.29 (g/mL) g Lab File ID: 0313_18.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 18 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 10

Injection Volume: 2 (uL)

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	13.030	4000	JN
	Unknown	13.500	13000	JN
000057-10-3	Hexadecanoic acid	15.000	140000	JN
000057-11-4	Octadecanoic acid	16.230	7600	JN
	Unknown	17.070	6000	JN
	Unknown	18.210	240000	JN
	Unknown	18.700	4100	JN
000050-53-3	Chlorpromazine	19.200	10000	JN
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	19.650	3300	JN
000630-07-9	Pentatriacontane	21.260	3700	JN
000630-06-8	Hexatriacontane	22.280	4200	JN
000058-95-7	Vitamin E acetate	22.800	4100	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-7 (10-12)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH83001

Sample wt/vol: 15.27 (g/mL) g Lab File ID: 0313_19.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 20 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.640	1200	JN
	Unknown	7.860	1000	JN
	Unknown	8.340	3100	JN
000334-48-5	Decanoic acid	9.340	4200	JN
	Unknown	10.250	2600	JN
000143-07-7	Dodecanoic acid	11.960	2500	JN
000544-63-8	Tetradecanoic acid	13.510	3400	JN
000057-10-3	Hexadecanoic acid	14.980	20000	JN
	Unknown	16.070	870	JN
000057-11-4	Octadecanoic acid	16.240	2500	JN
000050-33-9	Phenylbutazone	18.140	3500	JN
000050-53-3	Chlorpromazine	19.200	740	JN
000646-31-1	Tetracosane	21.270	1400	JN
000629-99-2	Pentacosane	22.290	990	JN

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 23, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 301433, QC Sample No: BH82721 (BH82998, BH82999, BH83000, BH83001)													
ICP Metals - Soil													
Aluminum	BRL	4660	5900	23.5	99.6	110	9.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.2	<3.3	NC	84.3	85.4	1.3	87.8	87.3	0.6	75 - 125	30	
Arsenic	BRL	1.0	1.07	NC	93.9	103	9.2	90.2	89.5	0.8	75 - 125	30	
Barium	BRL	26.3	29.2	10.5	107	114	6.3	105	106	0.9	75 - 125	30	
Beryllium	BRL	0.27	0.28	NC	99.8	105	5.1	96.5	96.3	0.2	75 - 125	30	
Cadmium	BRL	<0.32	<0.33	NC	89.7	92.1	2.6	92.6	92.3	0.3	75 - 125	30	
Calcium	BRL	474	469	1.10	98.9	107	7.9	>130	>130	NC	75 - 125	30	m
Chromium	BRL	11.0	12.7	14.3	102	107	4.8	101	99.2	1.8	75 - 125	30	
Cobalt	BRL	3.99	4.34	8.40	89.2	93.3	4.5	96.1	96.1	0.0	75 - 125	30	
Copper	BRL	8.90	10.7	18.4	97.6	99.3	1.7	104	102	1.9	75 - 125	30	
Iron	BRL	13600	14300	5.00	85.3	93.6	9.3	NC	NC	NC	75 - 125	30	
Lead	BRL	2.7	3.28	NC	87.9	93.4	6.1	91.0	91.0	0.0	75 - 125	30	
Magnesium	BRL	1350	1470	8.50	100	108	7.7	NC	NC	NC	75 - 125	30	
Manganese	BRL	176	186	5.50	105	111	5.6	65.6	54.4	18.7	75 - 125	30	m
Nickel	BRL	7.53	8.05	6.70	103	105	1.9	95.8	94.5	1.4	75 - 125	30	
Potassium	BRL	534	610	13.3	96.3	105	8.6	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.3	<1.3	NC	86.5	93.5	7.8	77.5	78.9	1.8	75 - 125	30	
Silver	BRL	<0.32	<0.33	NC	102	108	5.7	95.5	95.1	0.4	75 - 125	30	
Sodium	BRL	49.1	51.5	4.80	105	113	7.3	124	>130	NC	75 - 125	30	m
Thallium	BRL	<2.9	<2.9	NC	95.2	102	6.9	92.8	92.7	0.1	75 - 125	30	
Vanadium	BRL	15.7	17.4	10.3	110	117	6.2	99.1	97.7	1.4	75 - 125	30	
Zinc	BRL	11.6	15.0	25.6	90.2	94.9	5.1	92.7	91.6	1.2	75 - 125	30	
QA/QC Batch 301496, QC Sample No: BH83088 (BH82998, BH82999, BH83000, BH83001)													
Mercury - Soil	BRL	0.07	0.08	NC	89.6	86.9	3.1	81.9	85.9	4.8	70 - 130	30	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

m = This parameter is outside laboratory ms/msd specified recovery limits.

PHOENIX

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QA/QC Report

March 23, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301345, QC Sample No: BH80701 (BH82998, BH82999, BH83000, BH83001)												
Total Cyanide (SW9010C Distillation)	BRL	<0.52	<0.52	NC	94.0			100			85 - 115	30

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QA/QC Report

March 23, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301436, QC Sample No: BH82721 (BH82998, BH82999, BH83000, BH83001)									
Semivolatiles - Solid									
1,1-Biphenyl	ND	85	80	6.1	77	77	0.0	30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	85	81	4.8	73	73	0.0	30 - 130	30
2,3,4,6-tetrachlorophenol	ND	94	91	3.2	83	86	3.6	30 - 130	30
2,4,5-Trichlorophenol	ND	89	86	3.4	80	82	2.5	30 - 130	30
2,4,6-Trichlorophenol	ND	92	88	4.4	81	81	0.0	30 - 130	30
2,4-Dichlorophenol	ND	88	85	3.5	74	75	1.3	30 - 130	30
2,4-Dimethylphenol	ND	81	79	2.5	56	56	0.0	30 - 130	30
2,4-Dinitrophenol	ND	47	41	13.6	43	47	8.9	30 - 130	30
2,4-Dinitrotoluene	ND	101	97	4.0	92	94	2.2	30 - 130	30
2,6-Dinitrotoluene	ND	96	91	5.3	88	89	1.1	30 - 130	30
2-Chloronaphthalene	ND	83	78	6.2	76	75	1.3	30 - 130	30
2-Chlorophenol	ND	82	77	6.3	75	75	0.0	30 - 130	30
2-Methylnaphthalene	ND	87	82	5.9	74	74	0.0	30 - 130	30
2-Methylphenol (o-cresol)	ND	82	76	7.6	69	71	2.9	30 - 130	30
2-Nitroaniline	ND	121	114	6.0	101	97	4.0	30 - 130	30
2-Nitrophenol	ND	92	88	4.4	77	79	2.6	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	84	79	6.1	72	71	1.4	30 - 130	30
3,3'-Dichlorobenzidine	ND	89	81	9.4	68	68	0.0	30 - 130	30
3-Nitroaniline	ND	104	97	7.0	92	88	4.4	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	90	81	10.5	95	96	1.0	30 - 130	30
4-Bromophenyl phenyl ether	ND	87	83	4.7	78	83	6.2	30 - 130	30
4-Chloro-3-methylphenol	ND	92	89	3.3	77	78	1.3	30 - 130	30
4-Chloroaniline	ND	80	74	7.8	65	62	4.7	30 - 130	30
4-Chlorophenyl phenyl ether	ND	85	81	4.8	78	80	2.5	30 - 130	30
4-Nitroaniline	ND	95	90	5.4	86	86	0.0	30 - 130	30
4-Nitrophenol	ND	98	92	6.3	86	84	2.4	30 - 130	30
Acenaphthene	ND	86	80	7.2	77	78	1.3	30 - 130	30
Acenaphthylene	ND	84	80	4.9	75	77	2.6	30 - 130	30
Acetophenone	ND	85	78	8.6	77	76	1.3	30 - 130	30
Anthracene	ND	89	84	5.8	81	82	1.2	30 - 130	30
Atrazine	ND	101	96	5.1	89	90	1.1	30 - 130	30
Benz(a)anthracene	ND	91	84	8.0	80	81	1.2	30 - 130	30
Benzaldehyde	ND	91	79	14.1	118	124	5.0	30 - 130	30
Benzo(a)pyrene	ND	90	83	8.1	79	80	1.3	30 - 130	30
Benzo(b)fluoranthene	ND	88	81	8.3	78	78	0.0	30 - 130	30
Benzo(ghi)perylene	ND	99	92	7.3	86	89	3.4	30 - 130	30
Benzo(k)fluoranthene	ND	86	80	7.2	78	77	1.3	30 - 130	30
Benzyl butyl phthalate	ND	95	87	8.8	84	86	2.4	30 - 130	30
Bis(2-chloroethoxy)methane	ND	87	83	4.7	74	73	1.4	30 - 130	30
Bis(2-chloroethyl)ether	ND	68	62	9.2	62	61	1.6	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	75	69	8.3	68	68	0.0	30 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bis(2-ethylhexyl)phthalate	ND	91	83	9.2	79	81	2.5	30 - 130	30
Caprolactam	ND	85	82	3.6	73	74	1.4	30 - 130	30
Carbazole	ND	120	112	6.9	105	102	2.9	30 - 130	30
Chrysene	ND	98	90	8.5	87	88	1.1	30 - 130	30
Dibenz(a,h)anthracene	ND	97	90	7.5	85	87	2.3	30 - 130	30
Dibenzofuran	ND	89	83	7.0	79	80	1.3	30 - 130	30
Diethyl phthalate	ND	89	84	5.8	80	81	1.2	30 - 130	30
Dimethylphthalate	ND	88	83	5.8	79	80	1.3	30 - 130	30
Di-n-butylphthalate	ND	109	102	6.6	96	94	2.1	30 - 130	30
Di-n-octylphthalate	ND	83	77	7.5	71	74	4.1	30 - 130	30
Fluoranthene	ND	116	108	7.1	102	99	3.0	30 - 130	30
Fluorene	ND	87	82	5.9	79	80	1.3	30 - 130	30
Hexachlorobenzene	ND	83	78	6.2	74	78	5.3	30 - 130	30
Hexachlorobutadiene	ND	81	77	5.1	71	71	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	78	77	1.3	71	71	0.0	30 - 130	30
Hexachloroethane	ND	73	65	11.6	67	66	1.5	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	98	91	7.4	85	88	3.5	30 - 130	30
Isophorone	ND	81	77	5.1	69	69	0.0	30 - 130	30
Naphthalene	ND	81	77	5.1	70	70	0.0	30 - 130	30
Nitrobenzene	ND	81	74	9.0	74	74	0.0	30 - 130	30
N-Nitrosodimethylamine	ND	69	62	10.7	62	60	3.3	30 - 130	30
N-Nitrosodi-n-propylamine	ND	82	75	8.9	73	73	0.0	30 - 130	30
N-Nitrosodiphenylamine	ND	92	85	7.9	81	81	0.0	30 - 130	30
Pentachlorophenol	ND	92	87	5.6	80	83	3.7	30 - 130	30
Phenanthrene	ND	87	83	4.7	78	80	2.5	30 - 130	30
Phenol	ND	83	76	8.8	74	73	1.4	30 - 130	30
Pyrene	ND	118	111	6.1	104	101	2.9	30 - 130	30
% 2,4,6-Tribromophenol	76	84	78	7.4	74	74	0.0	30 - 130	30
% 2-Fluorobiphenyl	70	83	78	6.2	74	75	1.3	30 - 130	30
% 2-Fluorophenol	66	79	73	7.9	71	71	0.0	30 - 130	30
% Nitrobenzene-d5	70	80	74	7.8	74	73	1.4	30 - 130	30
% Phenol-d5	69	82	76	7.6	73	73	0.0	30 - 130	30
% Terphenyl-d14	94	129	119	8.1	112	109	2.7	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 301428, QC Sample No: BH82749 (BH82998, BH82999, BH83000, BH83001)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	91	93	2.2	79	79	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	91	90	1.1	77	78	1.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	81	107	103	3.8	91	86	5.6	30 - 150	30
% TCMX (Surrogate Rec)	76	99	100	1.0	82	78	5.0	30 - 150	30

QA/QC Batch 301658, QC Sample No: BH83614 (BH82998, BH83000, BH83001)

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	95	97	2.1	93	91	2.2	70 - 130	30

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2,2-Tetrachloroethane	ND	102	100	2.0	93	93	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	96	95	1.0	94	94	0.0	70 - 130	30	
1,1-Dichloroethane	ND	96	96	0.0	95	94	1.1	70 - 130	30	
1,1-Dichloroethene	ND	102	101	1.0	73	73	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	101	1.0	96	95	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	101	2.0	96	93	3.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	90	92	2.2	82	83	1.2	70 - 130	30	
1,2-Dibromoethane	ND	97	97	0.0	95	93	2.1	70 - 130	30	
1,2-Dichlorobenzene	ND	101	99	2.0	99	97	2.0	70 - 130	30	
1,2-Dichloroethane	ND	97	96	1.0	94	93	1.1	70 - 130	30	
1,2-Dichloropropane	ND	97	96	1.0	96	95	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	101	99	2.0	98	96	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	100	98	2.0	97	96	1.0	70 - 130	30	
1,4-dioxane	ND	105	120	13.3	109	104	4.7	70 - 130	30	
2-Hexanone	ND	86	85	1.2	83	82	1.2	70 - 130	30	
4-Methyl-2-pentanone	ND	91	92	1.1	89	88	1.1	70 - 130	30	
Acetone	ND	91	90	1.1	63	62	1.6	70 - 130	30	m
Benzene	ND	99	98	1.0	97	95	2.1	70 - 130	30	
Bromochloromethane	ND	99	99	0.0	96	97	1.0	70 - 130	30	
Bromodichloromethane	ND	100	99	1.0	90	90	0.0	70 - 130	30	
Bromoform	ND	92	93	1.1	80	80	0.0	70 - 130	30	
Bromomethane	ND	99	97	2.0	62	68	9.2	70 - 130	30	m
Carbon Disulfide	ND	101	101	0.0	70	69	1.4	70 - 130	30	m
Carbon tetrachloride	ND	95	95	0.0	89	88	1.1	70 - 130	30	
Chlorobenzene	ND	101	100	1.0	99	97	2.0	70 - 130	30	
Chloroethane	ND	87	84	3.5	33	33	0.0	70 - 130	30	m
Chloroform	ND	97	96	1.0	86	87	1.2	70 - 130	30	
Chloromethane	ND	87	86	1.2	90	88	2.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	99	99	0.0	97	97	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	99	2.0	92	92	0.0	70 - 130	30	
Cyclohexane	ND	88	88	0.0	94	94	0.0	70 - 130	30	
Dibromochloromethane	ND	100	97	3.0	86	87	1.2	70 - 130	30	
Dichlorodifluoromethane	ND	73	74	1.4	79	78	1.3	70 - 130	30	
Ethylbenzene	ND	102	100	2.0	98	97	1.0	70 - 130	30	
Isopropylbenzene	ND	99	97	2.0	98	97	1.0	70 - 130	30	
m&p-Xylene	ND	100	100	0.0	98	97	1.0	70 - 130	30	
Methyl ethyl ketone	ND	89	90	1.1	85	84	1.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	100	98	2.0	93	92	1.1	70 - 130	30	
Methylacetate	ND	99	101	2.0	97	97	0.0	70 - 130	30	
Methylcyclohexane	ND	95	96	1.0	97	95	2.1	70 - 130	30	
Methylene chloride	ND	97	95	2.1	91	90	1.1	70 - 130	30	
o-Xylene	ND	101	98	3.0	97	97	0.0	70 - 130	30	
Styrene	ND	100	98	2.0	98	98	0.0	70 - 130	30	
Tetrachloroethene	ND	102	99	3.0	97	96	1.0	70 - 130	30	
Toluene	ND	100	99	1.0	98	97	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	101	102	1.0	95	94	1.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	100	100	0.0	90	90	0.0	70 - 130	30	
Trichloroethene	ND	100	100	0.0	99	97	2.0	70 - 130	30	
Trichlorofluoromethane	ND	96	94	2.1	27	26	3.8	70 - 130	30	m
Trichlorotrifluoroethane	ND	101	100	1.0	78	75	3.9	70 - 130	30	
Vinyl chloride	ND	87	87	0.0	95	94	1.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	101	1.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	93	99	99	0.0	99	99	0.0	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Dibromofluoromethane	100	99	98	1.0	96	98	2.1	70 - 130	30	
% Toluene-d8	93	99	99	0.0	98	98	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301653, QC Sample No: BH83614 (BH83000, BH83001)

Volatiles - Solid

% 1,2-dichlorobenzene-d4	101	100	101	1.0	101	101	0.0	70 - 130	30	
% Bromofluorobenzene	96	99	99	0.0	100	99	1.0	70 - 130	30	
% Toluene-d8	94	100	100	0.0	100	99	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301767, QC Sample No: BH83623 (BH82999, BH83001 (38X))

Volatiles (TCL) - Solid

1,1,1-Trichloroethane	ND	89	97	8.6	75			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	112	8.4	86			70 - 130	30	
1,1,2-Trichloroethane	ND	88	98	10.8	79			70 - 130	30	
1,1-Dichloroethane	ND	87	96	9.8	74			70 - 130	30	
1,1-Dichloroethene	ND	86	95	9.9	43			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	89	95	6.5	73			70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	92	4.4	75			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	91	100	9.4	74			70 - 130	30	
1,2-Dibromoethane	ND	90	100	10.5	78			70 - 130	30	
1,2-Dichlorobenzene	ND	88	95	7.7	76			70 - 130	30	
1,2-Dichloroethane	ND	87	97	10.9	72			70 - 130	30	
1,2-Dichloropropane	ND	86	94	8.9	74			70 - 130	30	
1,3-Dichlorobenzene	ND	86	94	8.9	74			70 - 130	30	
1,4-Dichlorobenzene	ND	86	93	7.8	75			70 - 130	30	
1,4-dioxane	ND	111	108	2.7	77			70 - 130	30	
2-Hexanone	ND	73	80	9.2	63			70 - 130	30	m
4-Methyl-2-pentanone	ND	83	90	8.1	77			70 - 130	30	
Acetone	ND	63	66	4.7	29			70 - 130	30	l,m
Benzene	ND	89	98	9.6	76			70 - 130	30	
Bromochloromethane	ND	91	102	11.4	77			70 - 130	30	
Bromodichloromethane	ND	94	103	9.1	76			70 - 130	30	
Bromoform	ND	101	115	13.0	80			70 - 130	30	
Bromomethane	ND	89	96	7.6	43			70 - 130	30	m
Carbon Disulfide	ND	92	101	9.3	45			70 - 130	30	m
Carbon tetrachloride	ND	93	102	9.2	77			70 - 130	30	
Chlorobenzene	ND	87	96	9.8	73			70 - 130	30	
Chloroethane	ND	79	89	11.9	19			70 - 130	30	m
Chloroform	ND	86	98	13.0	66			70 - 130	30	m
Chloromethane	ND	81	89	9.4	71			70 - 130	30	
cis-1,2-Dichloroethene	ND	88	96	8.7	75			70 - 130	30	
cis-1,3-Dichloropropene	ND	94	104	10.1	78			70 - 130	30	
Cyclohexane	ND	81	90	10.5	75			70 - 130	30	
Dibromochloromethane	ND	100	111	10.4	79			70 - 130	30	
Dichlorodifluoromethane	ND	79	89	11.9	72			70 - 130	30	
Ethylbenzene	ND	90	99	9.5	75			70 - 130	30	
Isopropylbenzene	ND	87	97	10.9	75			70 - 130	30	
m&p-Xylene	ND	89	99	10.6	76			70 - 130	30	
Methyl ethyl ketone	ND	77	82	6.3	66			70 - 130	30	m

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl t-butyl ether (MTBE)	ND	84	93	10.2	69			70 - 130	30	m
Methylacetate	ND	92	103	11.3	76			70 - 130	30	
Methylcyclohexane	ND	86	96	11.0	76			70 - 130	30	
Methylene chloride	ND	81	90	10.5	65			70 - 130	30	m
o-Xylene	ND	90	100	10.5	77			70 - 130	30	
Styrene	ND	90	99	9.5	77			70 - 130	30	
Tetrachloroethene	ND	90	101	11.5	75			70 - 130	30	
Toluene	ND	88	96	8.7	77			70 - 130	30	
trans-1,2-Dichloroethene	ND	88	97	9.7	71			70 - 130	30	
trans-1,3-Dichloropropene	ND	95	106	10.9	78			70 - 130	30	
Trichloroethene	ND	86	96	11.0	74			70 - 130	30	
Trichlorofluoromethane	ND	89	96	7.6	16			70 - 130	30	m
Trichlorotrifluoroethane	ND	91	103	12.4	47			70 - 130	30	m
Vinyl chloride	ND	80	88	9.5	76			70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	102			70 - 130	30	
% Bromofluorobenzene	93	101	101	0.0	102			70 - 130	30	
% Dibromofluoromethane	106	104	106	1.9	103			70 - 130	30	
% Toluene-d8	99	99	99	0.0	100			70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301765, QC Sample No: BH83623 (BH82999)

Volatiles - Solid

% 1,2-dichlorobenzene-d4	101	100	100	0.0	102	100	2.0	70 - 130	30	
% Bromofluorobenzene	96	100	100	0.0	103	102	1.0	70 - 130	30	
% Toluene-d8	99	100	99	1.0	100	101	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 301935, QC Sample No: BH83891 (BH83000 (45X))

Volatiles (TCL) - Solid

Toluene	ND	103	106	2.9	89	80	10.7	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 23, 2015

Sample Criteria Exceedences Report

GBH82998 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH82998	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	540	1000	1000	ug/Kg
BH82998	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	540	1000	1000	ug/Kg
BH82998	$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	540	1000	1000	ug/Kg
BH83000	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	162	0.41	63	63	mg/Kg
BH83001	$8260_TCL_SM	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	770	320	700	700	ug/kg
BH83001	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Residential	1300	410	1000	1000	ug/Kg
BH83001	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1300	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	61.0	0.40	50	50	mg/kg
BH83001	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.56	0.03	0.18	0.18	mg/Kg
BH83001	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	188	4.0	63	63	mg/Kg
BH83001	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	146	0.40	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 23, 2015

SDG I.D.: GBH82998

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4°C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to:

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RGriffin Date: 3/12/15

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

Analysis Request:

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA ☒ Methanol [ ]S. Bisulfate ☒ H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ]As is [ ]HCl	GL Amber 1000ml [ ]As is [ ]H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
82998	TB-5 (0-2)	S	3/11/15	2:00							3	2								
82999	TB-5 (12-14)			2:00																
83000	TB-7 (6-8)			11:00																
83001	TB-7 (10-12)			11:00																

Relinquished by:	Accepted by:	Date:	Time:
		3/12/15	1220
		3/12/15	14:35
		3/12/15	16:16

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Wednesday, April 29, 2015

Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BH82998 - BH83001

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

April 29, 2015

SDG I.D.: GBH82998

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: HydroEnvironmental Solutions, Inc.

Project: 109 MARBLEDALE RD TUCKAHOE NY

Laboratory Project: GBH82998

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NY Analytical Services Protocol Format

April 29, 2015 **SDG I.D.: GBH82998**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Methodology Summary

Volatiles

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update V, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
TB-5 (0-2)	BH82998	SOLID
TB-5 (12-14)	BH82999	SOLID
TB-7 (6-8)	BH83000	SOLID
TB-7 (10-12)	BH83001	SOLID

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April 29, 2015 **SDG I.D.: GBH82998**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BH82998	1,4-dioxane	03/11/15	03/14/15	03/14/15	JLI	Y
BH82998	Aluminum	03/11/15	03/12/15	03/16/15	LK	Y
BH82998	Antimony	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Arsenic	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Barium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Beryllium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Cadmium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Calcium	03/11/15	03/12/15	03/16/15	LK	Y
BH82998	Chromium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Cobalt	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Copper	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Iron	03/11/15	03/12/15	03/16/15	LK	Y
BH82998	Lead	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Magnesium	03/11/15	03/12/15	03/16/15	LK	Y
BH82998	Manganese	03/11/15	03/12/15	03/16/15	LK	Y
BH82998	Mercury	03/11/15	03/13/15	03/13/15	RS	Y
BH82998	Nickel	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Polychlorinated Biphenyls	03/11/15	03/12/15	03/13/15	AW	Y
BH82998	Potassium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Selenium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Semivolatiles	03/11/15	03/12/15	03/13/15	DD	Y
BH82998	Silver	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Sodium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Thallium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Total Cyanide (SW9010C Distillation)	03/11/15	03/12/15	03/12/15	O/E/G	Y
BH82998	Vanadium	03/11/15	03/12/15	03/13/15	LK	Y
BH82998	Volatiles	03/11/15	03/14/15	03/14/15	JLI	Y
BH82998	Zinc	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	1,4-dioxane	03/11/15	03/16/15	03/16/15	JLI	Y
BH82999	Aluminum	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Antimony	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Arsenic	03/11/15	03/12/15	03/13/15	LK	Y

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HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BH82999	Barium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Beryllium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Cadmium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Calcium	03/11/15	03/12/15	03/16/15	LK	Y
BH82999	Chromium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Cobalt	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Copper	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Iron	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Lead	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Magnesium	03/11/15	03/12/15	03/16/15	LK	Y
BH82999	Manganese	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Mercury	03/11/15	03/13/15	03/13/15	RS	Y
BH82999	Nickel	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Polychlorinated Biphenyls	03/11/15	03/12/15	03/13/15	AW	Y
BH82999	Potassium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Selenium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Semivolatiles	03/11/15	03/12/15	03/13/15	DD	Y
BH82999	Silver	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Sodium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Thallium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Total Cyanide (SW9010C Distillation)	03/11/15	03/12/15	03/12/15	O/E/G	Y
BH82999	Vanadium	03/11/15	03/12/15	03/13/15	LK	Y
BH82999	Volatiles	03/11/15	03/16/15	03/16/15	JLI	Y
BH82999	Zinc	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	1,4-dioxane	03/11/15	03/14/15	03/14/15	JLI	Y
BH83000	Aluminum	03/11/15	03/12/15	03/16/15	LK	Y
BH83000	Antimony	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Arsenic	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Barium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Beryllium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Cadmium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Calcium	03/11/15	03/12/15	03/16/15	LK	Y
BH83000	Chromium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Cobalt	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Copper	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Iron	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Lead	03/11/15	03/12/15	03/13/15	LK	Y

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April 29, 2015 **SDG I.D.: GBH82998**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BH83000	Magnesium	03/11/15	03/12/15	03/16/15	LK	Y
BH83000	Manganese	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Mercury	03/11/15	03/13/15	03/13/15	RS	Y
BH83000	Nickel	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Polychlorinated Biphenyls	03/11/15	03/12/15	03/13/15	AW	Y
BH83000	Potassium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Selenium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Semivolatiles	03/11/15	03/12/15	03/13/15	DD	Y
BH83000	Silver	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Sodium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Thallium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Total Cyanide (SW9010C Distillation)	03/11/15	03/12/15	03/12/15	O/E/G	Y
BH83000	Vanadium	03/11/15	03/12/15	03/13/15	LK	Y
BH83000	Volatiles	03/11/15	03/17/15	03/17/15	JLI	Y
BH83000	Zinc	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	1,4-dioxane	03/11/15	03/14/15	03/14/15	JLI	Y
BH83001	Aluminum	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Antimony	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Arsenic	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Barium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Beryllium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Cadmium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Calcium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Chromium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Cobalt	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Copper	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Iron	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Lead	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Magnesium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Manganese	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Mercury	03/11/15	03/13/15	03/13/15	RS	Y
BH83001	Nickel	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Polychlorinated Biphenyls	03/11/15	03/12/15	03/16/15	AW	Y
BH83001	Potassium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Selenium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Semivolatiles	03/11/15	03/12/15	03/13/15	DD	Y
BH83001	Silver	03/11/15	03/12/15	03/13/15	LK	Y

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NY Analytical Services Protocol Format

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HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BH83001	Sodium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Thallium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Total Cyanide (SW9010C Distillation)	03/11/15	03/12/15	03/12/15	O/E/G	Y
BH83001	Vanadium	03/11/15	03/12/15	03/13/15	LK	Y
BH83001	Volatiles	03/11/15	03/16/15	03/16/15	JLI	Y
BH83001	Zinc	03/11/15	03/12/15	03/13/15	LK	Y

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Analysis Report

April 29, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	14:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH82998

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (0-2)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	1	03/13/15	LK	SW6010C
Aluminum	8830		35	7.0	mg/Kg	10	03/16/15	LK	SW6010C
Arsenic	2.0		0.7	0.70	mg/Kg	1	03/13/15	LK	SW6010C
Barium	57.5		0.7	0.35	mg/Kg	1	03/13/15	LK	SW6010C
Beryllium	0.29		0.28	0.14	mg/Kg	1	03/13/15	LK	SW6010C
Calcium	104000	N	35	32	mg/Kg	10	03/16/15	LK	SW6010C
Cadmium	< 0.35		0.35	0.14	mg/Kg	1	03/13/15	LK	SW6010C
Cobalt	6.29		0.35	0.35	mg/Kg	1	03/13/15	LK	SW6010C
Chromium	21.3		0.35	0.35	mg/Kg	1	03/13/15	LK	SW6010C
Copper	23.1		0.35	0.35	mg/kg	1	03/13/15	LK	SW6010C
Iron	13000		35	35	mg/Kg	10	03/16/15	LK	SW6010C
Mercury	< 0.03		0.03	0.02	mg/Kg	1	03/13/15	RS	SW7471B
Potassium	2680	N	7	2.7	mg/Kg	1	03/13/15	LK	SW6010C
Magnesium	57600		350	350	mg/Kg	100	03/16/15	LK	SW6010C
Manganese	192	N	3.5	3.5	mg/Kg	10	03/16/15	LK	SW6010C
Sodium	140		7	3.0	mg/Kg	1	03/13/15	LK	SW6010C
Nickel	12.7		0.35	0.35	mg/Kg	1	03/13/15	LK	SW6010C
Lead	37.1		0.7	0.35	mg/Kg	1	03/13/15	LK	SW6010C
Antimony	< 1.8		1.8	1.8	mg/Kg	1	03/13/15	LK	SW6010C
Selenium	< 1.4		1.4	1.2	mg/Kg	1	03/13/15	LK	SW6010C
Thallium	< 1.4		1.4	1.4	mg/Kg	1	03/13/15	LK	SW6010C
Vanadium	25.7		0.4	0.35	mg/Kg	1	03/13/15	LK	SW6010C
Zinc	65.6		0.7	0.35	mg/Kg	1	03/13/15	LK	SW6010C
Percent Solid	84				%		03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	< 0.60		0.60	0.30	mg/Kg	1	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed						03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed						03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/13/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (0-2)

Phoenix I.D.: BH82998

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1221	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1232	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1242	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1248	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1254	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1260	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1262	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1268	ND	77	77	ug/Kg	2	03/13/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	59			%	2	03/13/15	AW	30 - 150 %
% TCMX	64			%	2	03/13/15	AW	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	100	80	ug/kg	1	03/14/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,1-Dichloroethane	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,1-Dichloroethene	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dibromoethane	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dichloroethane	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dichloropropane	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
2-Hexanone	ND	50	10	ug/Kg	1	03/14/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	50	10	ug/Kg	1	03/14/15	JLI	SW8260C
Acetone	ND	100	10	ug/Kg	1	03/14/15	JLI	SW8260C
Benzene	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Bromochloromethane	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Bromodichloromethane	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Bromoform	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Bromomethane	ND	10	4.0	ug/Kg	1	03/14/15	JLI	SW8260C
Carbon Disulfide	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Carbon tetrachloride	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Chlorobenzene	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Chloroethane	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Chloroform	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Chloromethane	ND	10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Dibromochloromethane	ND		10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Dichlorodifluoromethane	1.3	J	10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Ethylbenzene	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Isopropylbenzene	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
m&p-Xylene	ND		10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Methyl ethyl ketone	ND		60	10	ug/Kg	1	03/14/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		20	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Methylacetate	ND		10	5.0	ug/Kg	1	03/14/15	JLI	SW8260C
Methylcyclohexane	ND		10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Methylene chloride	ND		10	10	ug/Kg	1	03/14/15	JLI	SW8260C
o-Xylene	ND		10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Styrene	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Tetrachloroethene	ND		10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Toluene	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Total Xylenes	ND		10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Trichloroethene	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Trichlorofluoromethane	ND		10	2.0	ug/Kg	1	03/14/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
Vinyl chloride	ND		10	1.0	ug/Kg	1	03/14/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	1	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	84				%	1	03/14/15	JLI	70 - 130 %
% Dibromofluoromethane	101				%	1	03/14/15	JLI	70 - 130 %
% Toluene-d8	89				%	1	03/14/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		540	240	ug/Kg	2	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		540	270	ug/Kg	2	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		540	360	ug/Kg	2	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		540	420	ug/Kg	2	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		310	250	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND		310	270	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND		540	190	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND		540	540	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND		310	300	ug/Kg	2	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND		310	240	ug/Kg	2	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND		540	220	ug/Kg	2	03/13/15	DD	SW8270D
2-Chlorophenol	ND		540	220	ug/Kg	2	03/13/15	DD	SW8270D
2-Methylnaphthalene	290	J	540	230	ug/Kg	2	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		540	360	ug/Kg	2	03/13/15	DD	SW8270D
2-Nitroaniline	ND		3900	780	ug/Kg	2	03/13/15	DD	SW8270D
2-Nitrophenol	ND		540	490	ug/Kg	2	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		540	300	ug/Kg	2	03/13/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		310	310	ug/Kg	2	03/13/15	DD	SW8270D
3-Nitroaniline	ND		3900	1700	ug/Kg	2	03/13/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		540	540	ug/Kg	2	03/13/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		540	230	ug/Kg	2	03/13/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (0-2)

Phoenix I.D.: BH82998

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND		540	270	ug/Kg	2	03/13/15	DD	SW8270D	
4-Chloroaniline	ND		1500	360	ug/Kg	2	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		540	260	ug/Kg	2	03/13/15	DD	SW8270D	
4-Nitroaniline	ND		3900	260	ug/Kg	2	03/13/15	DD	SW8270D	
4-Nitrophenol	ND		3900	350	ug/Kg	2	03/13/15	DD	SW8270D	
Acenaphthene	ND		540	230	ug/Kg	2	03/13/15	DD	SW8270D	
Acenaphthylene	ND		310	220	ug/Kg	2	03/13/15	DD	SW8270D	
Acetophenone	ND		540	240	ug/Kg	2	03/13/15	DD	SW8270D	
Anthracene	410	J	540	250	ug/Kg	2	03/13/15	DD	SW8270D	
Atrazine	ND		310	310	ug/Kg	2	03/13/15	DD	SW8270D	
Benz(a)anthracene	980		540	260	ug/Kg	2	03/13/15	DD	SW8270D	
Benzaldehyde	ND		540	230	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(a)pyrene	870		310	250	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	1100		540	260	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	370	J	540	250	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	410	J	540	260	ug/Kg	2	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND		540	200	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		540	210	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		310	210	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		540	210	ug/Kg	2	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	480	J	540	220	ug/Kg	2	03/13/15	DD	SW8270D	
Caprolactam	ND		540	540	ug/Kg	2	03/13/15	DD	SW8270D	
Carbazole	ND		3900	590	ug/Kg	2	03/13/15	DD	SW8270D	
Chrysene	970		540	260	ug/Kg	2	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		310	250	ug/Kg	2	03/13/15	DD	SW8270D	
Dibenzofuran	ND		540	230	ug/Kg	2	03/13/15	DD	SW8270D	
Diethyl phthalate	ND		540	240	ug/Kg	2	03/13/15	DD	SW8270D	
Dimethylphthalate	ND		540	240	ug/Kg	2	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND		540	210	ug/Kg	2	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND		540	200	ug/Kg	2	03/13/15	DD	SW8270D	
Fluoranthene	1400		540	250	ug/Kg	2	03/13/15	DD	SW8270D	
Fluorene	ND		540	250	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND		310	230	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND		540	280	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		540	240	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachloroethane	ND		310	230	ug/Kg	2	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	360	J	540	260	ug/Kg	2	03/13/15	DD	SW8270D	
Isophorone	ND		310	220	ug/Kg	2	03/13/15	DD	SW8270D	
Naphthalene	340	J	540	220	ug/Kg	2	03/13/15	DD	SW8270D	
Nitrobenzene	ND		310	270	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		540	220	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		310	250	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		310	300	ug/Kg	2	03/13/15	DD	SW8270D	
Pentachlorophenol	ND		540	290	ug/Kg	2	03/13/15	DD	SW8270D	
Phenanthrene	1300		310	220	ug/Kg	2	03/13/15	DD	SW8270D	
Phenol	ND		540	250	ug/Kg	2	03/13/15	DD	SW8270D	
Pyrene	1100		540	270	ug/Kg	2	03/13/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	86				%	2	03/13/15	DD	19 - 122 %	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (0-2)

Phoenix I.D.: BH82998

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	68			%	2	03/13/15	DD	30 - 115 %
% 2-Fluorophenol	73			%	2	03/13/15	DD	25 - 121 %
% Nitrobenzene-d5	74			%	2	03/13/15	DD	23 - 120 %
% Phenol-d5	76			%	2	03/13/15	DD	24 - 113 %
% Terphenyl-d14	55			%	2	03/13/15	DD	18 - 137 %
SVOA Library Search Top 15	Completed					03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 29, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	14:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH82999

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38		0.38	0.38	mg/Kg	1	03/13/15	LK	SW6010C
Aluminum	6520		38	7.5	mg/Kg	10	03/13/15	LK	SW6010C
Arsenic	1.5		0.8	0.75	mg/Kg	1	03/13/15	LK	SW6010C
Barium	33.2		0.8	0.38	mg/Kg	1	03/13/15	LK	SW6010C
Beryllium	< 0.30		0.30	0.15	mg/Kg	1	03/13/15	LK	SW6010C
Calcium	146000	N	380	350	mg/Kg	100	03/16/15	LK	SW6010C
Cadmium	< 0.38		0.38	0.15	mg/Kg	1	03/13/15	LK	SW6010C
Cobalt	4.65		0.38	0.38	mg/Kg	1	03/13/15	LK	SW6010C
Chromium	12.1		0.38	0.38	mg/Kg	1	03/13/15	LK	SW6010C
Copper	15.7		0.38	0.38	mg/kg	1	03/13/15	LK	SW6010C
Iron	9010		38	38	mg/Kg	10	03/13/15	LK	SW6010C
Mercury	< 0.03		0.03	0.02	mg/Kg	1	03/13/15	RS	SW7471B
Potassium	1820	N	8	2.9	mg/Kg	1	03/13/15	LK	SW6010C
Magnesium	91300		380	380	mg/Kg	100	03/16/15	LK	SW6010C
Manganese	166	N	3.8	3.8	mg/Kg	10	03/13/15	LK	SW6010C
Sodium	78		8	3.2	mg/Kg	1	03/13/15	LK	SW6010C
Nickel	8.72		0.38	0.38	mg/Kg	1	03/13/15	LK	SW6010C
Lead	14.9		0.8	0.38	mg/Kg	1	03/13/15	LK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	03/13/15	LK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	03/13/15	LK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	03/13/15	LK	SW6010C
Vanadium	16.3		0.4	0.38	mg/Kg	1	03/13/15	LK	SW6010C
Zinc	55.2		0.8	0.38	mg/Kg	1	03/13/15	LK	SW6010C
Percent Solid	91				%		03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	1.49		0.55	0.27	mg/Kg	1	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed						03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed						03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/13/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	03/13/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	73			%	2	03/13/15	AW	30 - 150 %
% TCMX	77			%	2	03/13/15	AW	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	100	52	ug/kg	1	03/16/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	03/16/15	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/16/15	JLI	70 - 130 %
% Toluene-d8	99			%	1	03/16/15	JLI	70 - 130 %
Volatiles								
1,1,1-Trichloroethane	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
2-Hexanone	ND	33	6.5	ug/Kg	1	03/16/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	6.5	ug/Kg	1	03/16/15	JLI	SW8260C
Acetone	ND	65	6.5	ug/Kg	1	03/16/15	JLI	SW8260C
Benzene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Bromochloromethane	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Bromodichloromethane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Bromoform	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Bromomethane	ND	6.5	2.6	ug/Kg	1	03/16/15	JLI	SW8260C
Carbon Disulfide	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Carbon tetrachloride	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Chlorobenzene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Chloroethane	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Chloromethane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Cyclohexane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Dibromochloromethane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Ethylbenzene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Isopropylbenzene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
m&p-Xylene	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Methyl ethyl ketone	ND	39	6.5	ug/Kg	1	03/16/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Methylacetate	ND	6.5	3.3	ug/Kg	1	03/16/15	JLI	SW8260C
Methylcyclohexane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Methylene chloride	ND	6.5	6.5	ug/Kg	1	03/16/15	JLI	SW8260C
o-Xylene	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Styrene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Tetrachloroethene	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Toluene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Total Xylenes	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Trichloroethene	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	1.3	ug/Kg	1	03/16/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
Vinyl chloride	ND	6.5	0.65	ug/Kg	1	03/16/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	03/16/15	JLI	70 - 130 %
% Bromofluorobenzene	91			%	1	03/16/15	JLI	70 - 130 %
% Dibromofluoromethane	105			%	1	03/16/15	JLI	70 - 130 %
% Toluene-d8	99			%	1	03/16/15	JLI	70 - 130 %
Semivolatiles								
1,1-Biphenyl	ND	500	220	ug/Kg	2	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	500	250	ug/Kg	2	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	500	330	ug/Kg	2	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	500	390	ug/Kg	2	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	280	230	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND	280	250	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND	500	180	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND	500	500	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND	280	280	ug/Kg	2	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND	280	220	ug/Kg	2	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND	500	200	ug/Kg	2	03/13/15	DD	SW8270D
2-Chlorophenol	ND	500	200	ug/Kg	2	03/13/15	DD	SW8270D
2-Methylnaphthalene	810	500	210	ug/Kg	2	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	500	330	ug/Kg	2	03/13/15	DD	SW8270D
2-Nitroaniline	ND	3500	720	ug/Kg	2	03/13/15	DD	SW8270D
2-Nitrophenol	ND	500	450	ug/Kg	2	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	500	280	ug/Kg	2	03/13/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND		280	280	ug/Kg	2	03/13/15	DD	SW8270D	
3-Nitroaniline	ND		3500	1500	ug/Kg	2	03/13/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		500	500	ug/Kg	2	03/13/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		500	210	ug/Kg	2	03/13/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND		500	250	ug/Kg	2	03/13/15	DD	SW8270D	
4-Chloroaniline	ND		1400	330	ug/Kg	2	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		500	240	ug/Kg	2	03/13/15	DD	SW8270D	
4-Nitroaniline	ND		3500	240	ug/Kg	2	03/13/15	DD	SW8270D	
4-Nitrophenol	ND		3500	320	ug/Kg	2	03/13/15	DD	SW8270D	
Acenaphthene	ND		500	220	ug/Kg	2	03/13/15	DD	SW8270D	
Acenaphthylene	ND		280	200	ug/Kg	2	03/13/15	DD	SW8270D	
Acetophenone	ND		500	220	ug/Kg	2	03/13/15	DD	SW8270D	
Anthracene	430	J	500	230	ug/Kg	2	03/13/15	DD	SW8270D	
Atrazine	ND		280	280	ug/Kg	2	03/13/15	DD	SW8270D	
Benz(a)anthracene	790		500	240	ug/Kg	2	03/13/15	DD	SW8270D	
Benzaldehyde	ND		500	210	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(a)pyrene	700		280	230	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	800		500	240	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	280	J	500	230	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	290	J	500	240	ug/Kg	2	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND		500	180	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		500	200	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		280	190	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		500	200	ug/Kg	2	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		500	200	ug/Kg	2	03/13/15	DD	SW8270D	
Caprolactam	ND		500	500	ug/Kg	2	03/13/15	DD	SW8270D	
Carbazole	ND		3500	540	ug/Kg	2	03/13/15	DD	SW8270D	
Chrysene	770		500	240	ug/Kg	2	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		280	230	ug/Kg	2	03/13/15	DD	SW8270D	
Dibenzofuran	ND		500	210	ug/Kg	2	03/13/15	DD	SW8270D	
Diethyl phthalate	ND		500	220	ug/Kg	2	03/13/15	DD	SW8270D	
Dimethylphthalate	ND		500	220	ug/Kg	2	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND		500	190	ug/Kg	2	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND		500	180	ug/Kg	2	03/13/15	DD	SW8270D	
Fluoranthene	1300		500	230	ug/Kg	2	03/13/15	DD	SW8270D	
Fluorene	ND		500	230	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND		280	210	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND		500	260	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		500	220	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachloroethane	ND		280	210	ug/Kg	2	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	290	J	500	240	ug/Kg	2	03/13/15	DD	SW8270D	
Isophorone	ND		280	200	ug/Kg	2	03/13/15	DD	SW8270D	
Naphthalene	740		500	200	ug/Kg	2	03/13/15	DD	SW8270D	
Nitrobenzene	ND		280	250	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		500	200	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		280	230	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		280	270	ug/Kg	2	03/13/15	DD	SW8270D	
Pentachlorophenol	ND		500	270	ug/Kg	2	03/13/15	DD	SW8270D	
Phenanthrene	1400		280	200	ug/Kg	2	03/13/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-5 (12-14)

Phoenix I.D.: BH82999

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	500	230	ug/Kg	2	03/13/15	DD	SW8270D
Pyrene	1000	500	240	ug/Kg	2	03/13/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	91			%	2	03/13/15	DD	19 - 122 %
% 2-Fluorobiphenyl	76			%	2	03/13/15	DD	30 - 115 %
% 2-Fluorophenol	76			%	2	03/13/15	DD	25 - 121 %
% Nitrobenzene-d5	80			%	2	03/13/15	DD	23 - 120 %
% Phenol-d5	80			%	2	03/13/15	DD	24 - 113 %
% Terphenyl-d14	63			%	2	03/13/15	DD	18 - 137 %
SVOA Library Search Top 15	Completed					03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 29, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	11:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH83000

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41		0.41	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Aluminum	8980		41	8.2	mg/Kg	10	03/16/15	LK	SW6010C
Arsenic	3.5		0.8	0.82	mg/Kg	1	03/13/15	LK	SW6010C
Barium	50.3		0.8	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Beryllium	< 0.33		0.33	0.16	mg/Kg	1	03/13/15	LK	SW6010C
Calcium	58000	N	41	38	mg/Kg	10	03/16/15	LK	SW6010C
Cadmium	0.96		0.41	0.16	mg/Kg	1	03/13/15	LK	SW6010C
Cobalt	4.25		0.41	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Chromium	16.5		0.41	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Copper	23.8		0.41	0.41	mg/kg	1	03/13/15	LK	SW6010C
Iron	9530		4.1	4.1	mg/Kg	1	03/13/15	LK	SW6010C
Mercury	0.05		0.03	0.02	mg/Kg	1	03/13/15	RS	SW7471B
Potassium	1370	N	8	3.2	mg/Kg	1	03/13/15	LK	SW6010C
Magnesium	20600		41	41	mg/Kg	10	03/16/15	LK	SW6010C
Manganese	130	N	0.41	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Sodium	349		8	3.5	mg/Kg	1	03/13/15	LK	SW6010C
Nickel	11.4		0.41	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Lead	162		0.8	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Antimony	< 2.1		2.1	2.1	mg/Kg	1	03/13/15	LK	SW6010C
Selenium	< 1.6		1.6	1.4	mg/Kg	1	03/13/15	LK	SW6010C
Thallium	< 1.6		1.6	1.6	mg/Kg	1	03/13/15	LK	SW6010C
Vanadium	27.1		0.4	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Zinc	65.3		0.8	0.41	mg/Kg	1	03/13/15	LK	SW6010C
Percent Solid	82				%		03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	< 0.61		0.61	0.30	mg/Kg	1	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed						03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed						03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/13/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Phoenix I.D.: BH83000

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1221	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1232	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1242	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1248	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1254	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1260	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1262	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
PCB-1268	ND		80	80	ug/Kg	2	03/13/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	Interference				%	2	03/13/15	AW	30 - 150 %
% TCMX	83				%	2	03/13/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	61	ug/kg	1	03/14/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	1	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	70				%	1	03/14/15	JLI	70 - 130 %
% Toluene-d8	78				%	1	03/14/15	JLI	70 - 130 %
Volatiles									
1,1,1-Trichloroethane	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
1,1-Dichloroethane	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
1,1-Dichloroethene	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		310	62	ug/Kg	45	03/17/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		310	62	ug/Kg	45	03/17/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		310	62	ug/Kg	45	03/17/15	JLI	SW8260C
1,2-Dibromoethane	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		310	31	ug/Kg	45	03/17/15	JLI	SW8260C
1,2-Dichloroethane	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dichloropropane	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		310	31	ug/Kg	45	03/17/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		310	31	ug/Kg	45	03/17/15	JLI	SW8260C
2-Hexanone	ND		38	7.6	ug/Kg	1	03/14/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		38	7.6	ug/Kg	1	03/14/15	JLI	SW8260C
Acetone	380	BS	76	7.6	ug/Kg	1	03/14/15	JLI	SW8260C
Benzene	6.7	J	7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Bromochloromethane	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Bromodichloromethane	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Bromoform	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Bromomethane	ND		7.6	3.0	ug/Kg	1	03/14/15	JLI	SW8260C
Carbon Disulfide	7.6	J	7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Carbon tetrachloride	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Chlorobenzene	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Chloroethane	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Phoenix I.D.: BH83000

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	1.1	J	7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Chloromethane	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Cyclohexane	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Dibromochloromethane	ND		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Dichlorodifluoromethane	420	E	7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Ethylbenzene	23		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Isopropylbenzene	ND		310	31	ug/Kg	45	03/17/15	JLI	SW8260C
m&p-Xylene	21		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Methyl ethyl ketone	ND		46	7.6	ug/Kg	1	03/14/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		15	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Methylacetate	19		7.6	3.8	ug/Kg	1	03/14/15	JLI	SW8260C
Methylcyclohexane	2.8	J	7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Methylene chloride	ND		7.6	7.6	ug/Kg	1	03/14/15	JLI	SW8260C
o-Xylene	10		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Styrene	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Tetrachloroethene	4.3	J	7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Toluene	420	D	310	31	ug/Kg	45	03/17/15	JLI	SW8260C
Total Xylenes	31		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Trichloroethene	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Trichlorofluoromethane	75		7.6	1.5	ug/Kg	1	03/14/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
Vinyl chloride	ND		7.6	0.76	ug/Kg	1	03/14/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96				%	45	03/17/15	JLI	70 - 130 %
% Bromofluorobenzene	94				%	45	03/17/15	JLI	70 - 130 %
% Dibromofluoromethane	126				%	1	03/14/15	JLI	70 - 130 %
% Toluene-d8	77				%	1	03/14/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		2800	1400	ug/Kg	10	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		2800	1900	ug/Kg	10	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		2800	2200	ug/Kg	10	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		1600	1300	ug/Kg	10	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND		1600	1400	ug/Kg	10	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND		2800	990	ug/Kg	10	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND		2800	2800	ug/Kg	10	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND		1600	1600	ug/Kg	10	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND		1600	1300	ug/Kg	10	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND		2800	1100	ug/Kg	10	03/13/15	DD	SW8270D
2-Chlorophenol	ND		2800	1100	ug/Kg	10	03/13/15	DD	SW8270D
2-Methylnaphthalene	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		2800	1900	ug/Kg	10	03/13/15	DD	SW8270D
2-Nitroaniline	ND		20000	4000	ug/Kg	10	03/13/15	DD	SW8270D
2-Nitrophenol	ND		2800	2500	ug/Kg	10	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		2800	1600	ug/Kg	10	03/13/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Phoenix I.D.: BH83000

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND		1600	1600	ug/Kg	10	03/13/15	DD	SW8270D	
3-Nitroaniline	ND		20000	8700	ug/Kg	10	03/13/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		2800	2800	ug/Kg	10	03/13/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND		2800	1400	ug/Kg	10	03/13/15	DD	SW8270D	
4-Chloroaniline	ND		8000	1900	ug/Kg	10	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
4-Nitroaniline	ND		20000	1300	ug/Kg	10	03/13/15	DD	SW8270D	
4-Nitrophenol	ND		20000	1800	ug/Kg	10	03/13/15	DD	SW8270D	
Acenaphthene	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D	
Acenaphthylene	ND		1600	1100	ug/Kg	10	03/13/15	DD	SW8270D	
Acetophenone	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D	
Anthracene	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Atrazine	ND		1600	1600	ug/Kg	10	03/13/15	DD	SW8270D	
Benz(a)anthracene	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Benzaldehyde	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D	
Benzo(a)pyrene	ND		1600	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	ND		2800	1400	ug/Kg	10	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND		2800	1000	ug/Kg	10	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		2800	1100	ug/Kg	10	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		1600	1100	ug/Kg	10	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		2800	1100	ug/Kg	10	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		2800	1100	ug/Kg	10	03/13/15	DD	SW8270D	
Caprolactam	ND		2800	2800	ug/Kg	10	03/13/15	DD	SW8270D	
Carbazole	ND		20000	3000	ug/Kg	10	03/13/15	DD	SW8270D	
Chrysene	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		1600	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Dibenzofuran	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D	
Diethyl phthalate	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Dimethylphthalate	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND		2800	1100	ug/Kg	10	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND		2800	1000	ug/Kg	10	03/13/15	DD	SW8270D	
Fluoranthene	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Fluorene	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND		1600	1200	ug/Kg	10	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND		2800	1400	ug/Kg	10	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		2800	1200	ug/Kg	10	03/13/15	DD	SW8270D	
Hexachloroethane	ND		1600	1200	ug/Kg	10	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND		2800	1300	ug/Kg	10	03/13/15	DD	SW8270D	
Isophorone	ND		1600	1100	ug/Kg	10	03/13/15	DD	SW8270D	
Naphthalene	2700	J	2800	1100	ug/Kg	10	03/13/15	DD	SW8270D	
Nitrobenzene	ND		1600	1400	ug/Kg	10	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		2800	1100	ug/Kg	10	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		1600	1300	ug/Kg	10	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		1600	1500	ug/Kg	10	03/13/15	DD	SW8270D	
Pentachlorophenol	ND		2800	1500	ug/Kg	10	03/13/15	DD	SW8270D	
Phenanthrene	1600		1600	1100	ug/Kg	10	03/13/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (6-8)

Phoenix I.D.: BH83000

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	2800	1300	ug/Kg	10	03/13/15	DD	SW8270D
Pyrene	ND	2800	1400	ug/Kg	10	03/13/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	86			%	10	03/13/15	DD	19 - 122 %
% 2-Fluorobiphenyl	67			%	10	03/13/15	DD	30 - 115 %
% 2-Fluorophenol	63			%	10	03/13/15	DD	25 - 121 %
% Nitrobenzene-d5	66			%	10	03/13/15	DD	23 - 120 %
% Phenol-d5	71			%	10	03/13/15	DD	24 - 113 %
% Terphenyl-d14	59			%	10	03/13/15	DD	18 - 137 %
SVOA Library Search Top 15	Completed					03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Volatile Comment:
E = Estimated value. Sample result was above the calibration range. Subsequent dilution did not correlate well with original analysis results.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 29, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/11/15	11:00
Location Code:	HESNY-TUCK	Received by:	SW	03/12/15	16:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH82998
Phoenix ID: BH83001

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40		0.40	0.40	mg/Kg	1	03/13/15	LK	SW6010C
Aluminum	6790		40	7.9	mg/Kg	10	03/13/15	LK	SW6010C
Arsenic	5.7		0.8	0.79	mg/Kg	1	03/13/15	LK	SW6010C
Barium	71.0		0.8	0.40	mg/Kg	1	03/13/15	LK	SW6010C
Beryllium	< 0.32		0.32	0.16	mg/Kg	1	03/13/15	LK	SW6010C
Calcium	75000	N	40	36	mg/Kg	10	03/13/15	LK	SW6010C
Cadmium	0.46		0.40	0.16	mg/Kg	1	03/13/15	LK	SW6010C
Cobalt	6.74		0.40	0.40	mg/Kg	1	03/13/15	LK	SW6010C
Chromium	24.1		0.40	0.40	mg/Kg	1	03/13/15	LK	SW6010C
Copper	61.0		0.40	0.40	mg/kg	1	03/13/15	LK	SW6010C
Iron	16100		40	40	mg/Kg	10	03/13/15	LK	SW6010C
Mercury	0.56		0.03	0.02	mg/Kg	1	03/13/15	RS	SW7471B
Potassium	1770	N	8	3.1	mg/Kg	1	03/13/15	LK	SW6010C
Magnesium	10400		40	40	mg/Kg	10	03/13/15	LK	SW6010C
Manganese	247	N	4.0	4.0	mg/Kg	10	03/13/15	LK	SW6010C
Sodium	257		8	3.4	mg/Kg	1	03/13/15	LK	SW6010C
Nickel	16.5		0.40	0.40	mg/Kg	1	03/13/15	LK	SW6010C
Lead	188		7.9	4.0	mg/Kg	10	03/13/15	LK	SW6010C
Antimony	< 2.0		2.0	2.0	mg/Kg	1	03/13/15	LK	SW6010C
Selenium	< 1.6		1.6	1.3	mg/Kg	1	03/13/15	LK	SW6010C
Thallium	< 1.6		1.6	1.6	mg/Kg	1	03/13/15	LK	SW6010C
Vanadium	36.6		0.4	0.40	mg/Kg	1	03/13/15	LK	SW6010C
Zinc	146		0.8	0.40	mg/Kg	1	03/13/15	LK	SW6010C
Percent Solid	80				%		03/12/15	I	SW846-%Solid
Total Cyanide (SW9010C Distillation)	0.93		0.63	0.31	mg/Kg	1	03/12/15	O/E/G	SW9012B
Soil Extraction for PCB	Completed						03/12/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed						03/12/15	JJ/VH	SW3545A
Mercury Digestion	Completed						03/13/15	I/I	SW7471B

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						03/12/15	CB/AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		410	410	ug/Kg	10	03/16/15	AW	SW8082A
PCB-1221	ND		410	410	ug/Kg	10	03/16/15	AW	SW8082A
PCB-1232	ND		410	410	ug/Kg	10	03/16/15	AW	SW8082A
PCB-1242	ND		410	410	ug/Kg	10	03/16/15	AW	SW8082A
PCB-1248	1300		410	410	ug/Kg	10	03/16/15	AW	SW8082A
PCB-1254	ND		410	410	ug/Kg	10	03/16/15	AW	SW8082A
PCB-1260	ND		410	410	ug/Kg	10	03/16/15	AW	SW8082A
PCB-1262	ND		410	410	ug/Kg	10	03/16/15	AW	SW8082A
PCB-1268	ND		410	410	ug/Kg	10	03/16/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	75				%	10	03/16/15	AW	30 - 150 %
% TCMX	84				%	10	03/16/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	47	ug/kg	1	03/14/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	87				%	1	03/14/15	JLI	70 - 130 %
% Toluene-d8	87				%	1	03/14/15	JLI	70 - 130 %
Volatiles									
1,1,1-Trichloroethane	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
1,4-Dichlorobenzene	45	JD	320	32	ug/Kg	38	03/16/15	JLI	SW8260C
2-Hexanone	40		29	5.8	ug/Kg	1	03/14/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		29	5.8	ug/Kg	1	03/14/15	JLI	SW8260C
Acetone	97	BS	58	5.8	ug/Kg	1	03/14/15	JLI	SW8260C
Benzene	120	JD	320	32	ug/Kg	38	03/16/15	JLI	SW8260C
Bromochloromethane	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Bromodichloromethane	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Bromoform	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Bromomethane	ND		5.8	2.3	ug/Kg	1	03/14/15	JLI	SW8260C
Carbon Disulfide	6.8		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Carbon tetrachloride	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Chlorobenzene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Chloroethane	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chloroform	0.65	J	5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Chloromethane	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Cyclohexane	1.6	J	5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Dibromochloromethane	ND		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Dichlorodifluoromethane	550		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Ethylbenzene	47	JD	320	32	ug/Kg	38	03/16/15	JLI	SW8260C
Isopropylbenzene	3.1	J	5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
m&p-Xylene	230	JD	320	65	ug/Kg	38	03/16/15	JLI	SW8260C
Methyl ethyl ketone	37		35	5.8	ug/Kg	1	03/14/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Methylacetate	ND		5.8	2.9	ug/Kg	1	03/14/15	JLI	SW8260C
Methylcyclohexane	3.7	J	5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Methylene chloride	ND		5.8	5.8	ug/Kg	1	03/14/15	JLI	SW8260C
o-Xylene	110	JD	320	65	ug/Kg	38	03/16/15	JLI	SW8260C
Styrene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Tetrachloroethene	2.5	J	5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Toluene	770	D	320	32	ug/Kg	38	03/16/15	JLI	SW8260C
Total Xylenes	340		320	65	ug/Kg	38	03/16/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Trichloroethene	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Trichlorofluoromethane	46		5.8	1.2	ug/Kg	1	03/14/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
Vinyl chloride	1.4	J	5.8	0.58	ug/Kg	1	03/14/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	03/14/15	JLI	70 - 130 %
% Bromofluorobenzene	81				%	1	03/14/15	JLI	70 - 130 %
% Dibromofluoromethane	107				%	1	03/14/15	JLI	70 - 130 %
% Toluene-d8	86				%	1	03/14/15	JLI	70 - 130 %
Semivolatiles									
1,1-Biphenyl	ND		570	250	ug/Kg	2	03/13/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		570	290	ug/Kg	2	03/13/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		570	380	ug/Kg	2	03/13/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		570	450	ug/Kg	2	03/13/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		330	260	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dichlorophenol	ND		330	290	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dimethylphenol	ND		570	200	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dinitrophenol	ND		570	570	ug/Kg	2	03/13/15	DD	SW8270D
2,4-Dinitrotoluene	ND		330	320	ug/Kg	2	03/13/15	DD	SW8270D
2,6-Dinitrotoluene	ND		330	260	ug/Kg	2	03/13/15	DD	SW8270D
2-Chloronaphthalene	ND		570	230	ug/Kg	2	03/13/15	DD	SW8270D
2-Chlorophenol	ND		570	230	ug/Kg	2	03/13/15	DD	SW8270D
2-Methylnaphthalene	330	J	570	240	ug/Kg	2	03/13/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		570	380	ug/Kg	2	03/13/15	DD	SW8270D
2-Nitroaniline	ND		4100	830	ug/Kg	2	03/13/15	DD	SW8270D
2-Nitrophenol	ND		570	520	ug/Kg	2	03/13/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	1200		570	320	ug/Kg	2	03/13/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND		330	330	ug/Kg	2	03/13/15	DD	SW8270D	
3-Nitroaniline	ND		4100	1800	ug/Kg	2	03/13/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		570	570	ug/Kg	2	03/13/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		570	240	ug/Kg	2	03/13/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND		570	290	ug/Kg	2	03/13/15	DD	SW8270D	
4-Chloroaniline	ND		1600	380	ug/Kg	2	03/13/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		570	280	ug/Kg	2	03/13/15	DD	SW8270D	
4-Nitroaniline	ND		4100	270	ug/Kg	2	03/13/15	DD	SW8270D	
4-Nitrophenol	ND		4100	370	ug/Kg	2	03/13/15	DD	SW8270D	
Acenaphthene	ND		570	250	ug/Kg	2	03/13/15	DD	SW8270D	
Acenaphthylene	ND		330	230	ug/Kg	2	03/13/15	DD	SW8270D	
Acetophenone	ND		570	260	ug/Kg	2	03/13/15	DD	SW8270D	
Anthracene	380	J	570	270	ug/Kg	2	03/13/15	DD	SW8270D	
Atrazine	ND		330	330	ug/Kg	2	03/13/15	DD	SW8270D	
Benz(a)anthracene	520	J	570	280	ug/Kg	2	03/13/15	DD	SW8270D	
Benzaldehyde	ND		570	240	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(a)pyrene	420		330	270	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(b)fluoranthene	590		570	280	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(ghi)perylene	ND		570	270	ug/Kg	2	03/13/15	DD	SW8270D	
Benzo(k)fluoranthene	290	J	570	270	ug/Kg	2	03/13/15	DD	SW8270D	
Benzyl butyl phthalate	ND		570	210	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		570	230	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		330	220	ug/Kg	2	03/13/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		570	230	ug/Kg	2	03/13/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	900		570	240	ug/Kg	2	03/13/15	DD	SW8270D	
Caprolactam	ND		570	570	ug/Kg	2	03/13/15	DD	SW8270D	
Carbazole	ND		4100	620	ug/Kg	2	03/13/15	DD	SW8270D	
Chrysene	580		570	280	ug/Kg	2	03/13/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		330	270	ug/Kg	2	03/13/15	DD	SW8270D	
Dibenzofuran	ND		570	240	ug/Kg	2	03/13/15	DD	SW8270D	
Diethyl phthalate	ND		570	260	ug/Kg	2	03/13/15	DD	SW8270D	
Dimethylphthalate	ND		570	250	ug/Kg	2	03/13/15	DD	SW8270D	
Di-n-butylphthalate	ND		570	220	ug/Kg	2	03/13/15	DD	SW8270D	
Di-n-octylphthalate	ND		570	210	ug/Kg	2	03/13/15	DD	SW8270D	
Fluoranthene	930		570	270	ug/Kg	2	03/13/15	DD	SW8270D	
Fluorene	360	J	570	270	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorobenzene	ND		330	240	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorobutadiene	ND		570	300	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		570	250	ug/Kg	2	03/13/15	DD	SW8270D	
Hexachloroethane	ND		330	250	ug/Kg	2	03/13/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND		570	270	ug/Kg	2	03/13/15	DD	SW8270D	
Isophorone	ND		330	230	ug/Kg	2	03/13/15	DD	SW8270D	
Naphthalene	740		570	240	ug/Kg	2	03/13/15	DD	SW8270D	
Nitrobenzene	ND		330	290	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		570	230	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		330	270	ug/Kg	2	03/13/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		330	310	ug/Kg	2	03/13/15	DD	SW8270D	
Pentachlorophenol	ND		570	310	ug/Kg	2	03/13/15	DD	SW8270D	
Phenanthrene	1400		330	230	ug/Kg	2	03/13/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-7 (10-12)

Phoenix I.D.: BH83001

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	570	260	ug/Kg	2	03/13/15	DD	SW8270D
Pyrene	750	570	280	ug/Kg	2	03/13/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	94			%	2	03/13/15	DD	19 - 122 %
% 2-Fluorobiphenyl	75			%	2	03/13/15	DD	30 - 115 %
% 2-Fluorophenol	76			%	2	03/13/15	DD	25 - 121 %
% Nitrobenzene-d5	80			%	2	03/13/15	DD	23 - 120 %
% Phenol-d5	81			%	2	03/13/15	DD	24 - 113 %
% Terphenyl-d14	65			%	2	03/13/15	DD	18 - 137 %
SVOA Library Search Top 15	Completed					03/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Tina Covensky

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-5 (0-2)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH82998

Sample wt/vol: 15.41 (g/mL) g Lab File ID: 0313_16.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 16 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.630	700	JN
000143-07-7	Dodecanoic acid	11.930	1500	JN
000544-63-8	Tetradecanoic acid	13.480	890	JN
000057-10-3	Hexadecanoic acid	14.920	4200	JN
000112-80-1	9-Octadecenoic acid (Z)-	16.070	1100	JN

FORM I SEMIVOA-TIC

1F

CLIENT ID

TB-5 (12-14)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH82999

Sample wt/vol: 15.49 (g/mL) g Lab File ID: 0313_17.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 9 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.630	860	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	6.520	720	JN
000630-02-4	Octacosane	9.650	750	JN

1F

CLIENT ID

TB-7 (6-8)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water) SOIL Lab Sample ID: BH83000

Sample wt/vol: 15.29 (g/mL) g Lab File ID: 0313_18.D

Level: (low/med) Low Date Received: 03/12/15

% Moisture: not dec. 18 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 10

Injection Volume: 2 (uL)

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	13.030	4000	JN
	Unknown	13.500	13000	JN
000057-10-3	Hexadecanoic acid	15.000	140000	JN
000057-11-4	Octadecanoic acid	16.230	7600	JN
	Unknown	17.070	6000	JN
	Unknown	18.210	240000	JN
	Unknown	18.700	4100	JN
000050-53-3	Chlorpromazine	19.200	10000	JN
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	19.650	3300	JN
000630-07-9	Pentatriacontane	21.260	3700	JN
000630-06-8	Hexatriacontane	22.280	4200	JN
000058-95-7	Vitamin E acetate	22.800	4100	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TB-7 (10-12)

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBH82998

Matrix:(soil/water): SOIL Lab Sample ID: BH83001

Sample wt/vol: 15.27 (g/mL) g Lab File ID: 0313_19.D

Level: (low/med): Low Date Received: 03/12/15

% Moisture: not dec. 20 decanted:(Y/N) NA Date Extracted: 03/13/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 3/13/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 2

Injection Volume: 2 (uL)

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.640	1200	JN
	Unknown	7.860	1000	JN
	Unknown	8.340	3100	JN
000334-48-5	Decanoic acid	9.340	4200	JN
	Unknown	10.250	2600	JN
000143-07-7	Dodecanoic acid	11.960	2500	JN
000544-63-8	Tetradecanoic acid	13.510	3400	JN
000057-10-3	Hexadecanoic acid	14.980	20000	JN
	Unknown	16.070	870	JN
000057-11-4	Octadecanoic acid	16.240	2500	JN
000050-33-9	Phenylbutazone	18.140	3500	JN
000050-53-3	Chlorpromazine	19.200	740	JN
000646-31-1	Tetracosane	21.270	1400	JN
000629-99-2	Pentacosane	22.290	990	JN

Environmental Laboratories, Inc.
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QA/QC Report

April 29, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 301433 (mg/kg), QC Sample No: BH82721 (BH82998, BH82999, BH83000, BH83001)													
ICP Metals - Soil													
Aluminum	BRL	4660	5900	23.5	99.6	110	9.9	NC	NC	NC	80 - 120	30	
Antimony	BRL	<3.2	<3.3	NC	84.3	85.4	1.3	87.8	87.3	0.6	70 - 130	30	
Arsenic	BRL	1.0	1.07	NC	93.9	103	9.2	90.2	89.5	0.8	80 - 120	30	
Barium	BRL	26.3	29.2	10.5	107	114	6.3	105	106	0.9	80 - 120	30	
Beryllium	BRL	0.27	0.28	NC	99.8	105	5.1	96.5	96.3	0.2	80 - 120	30	
Cadmium	BRL	<0.32	<0.33	NC	89.7	92.1	2.6	92.6	92.3	0.3	80 - 120	30	
Calcium	BRL	474	469	1.10	98.9	107	7.9	>130	>130	NC	80 - 120	30	m
Chromium	BRL	11.0	12.7	14.3	102	107	4.8	101	99.2	1.8	80 - 120	30	
Cobalt	BRL	3.99	4.34	8.40	89.2	93.3	4.5	96.1	96.1	0.0	80 - 120	30	
Copper	BRL	8.90	10.7	18.4	97.6	99.3	1.7	104	102	1.9	80 - 120	30	
Iron	BRL	13600	14300	5.00	85.3	93.6	9.3	NC	NC	NC	80 - 120	30	
Lead	BRL	2.7	3.28	NC	87.9	93.4	6.1	91.0	91.0	0.0	80 - 120	30	
Magnesium	BRL	1350	1470	8.50	100	108	7.7	NC	NC	NC	80 - 120	30	
Manganese	BRL	176	186	5.50	105	111	5.6	65.6	54.4	18.7	80 - 120	30	m
Nickel	BRL	7.53	8.05	6.70	103	105	1.9	95.8	94.5	1.4	80 - 120	30	
Potassium	BRL	534	610	13.3	96.3	105	8.6	>130	>130	NC	80 - 120	30	m
Selenium	BRL	<1.3	<1.3	NC	86.5	93.5	7.8	77.5	78.9	1.8	80 - 120	30	
Silver	BRL	<0.32	<0.33	NC	102	108	5.7	95.5	95.1	0.4	70 - 130	30	
Sodium	BRL	49.1	51.5	4.80	105	113	7.3	124	>130	NC	80 - 120	30	m
Thallium	BRL	<2.9	<2.9	NC	95.2	102	6.9	92.8	92.7	0.1	80 - 120	30	
Vanadium	BRL	15.7	17.4	10.3	110	117	6.2	99.1	97.7	1.4	80 - 120	30	
Zinc	BRL	11.6	15.0	25.6	90.2	94.9	5.1	92.7	91.6	1.2	80 - 120	30	
QA/QC Batch 301496 (mg/kg), QC Sample No: BH83088 (BH82998, BH82999, BH83000, BH83001)													
Mercury - Soil	BRL	0.07	0.08	NC	89.6	86.9	3.1	81.9	85.9	4.8	75 - 125	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.

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QA/QC Report

April 29, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301345 (mg/Kg), QC Sample No: BH80701 (BH82998, BH82999, BH83000, BH83001)												
Total Cyanide (SW9010C Distillatio	BRL	<0.52	<0.52	NC	94.0			100			85 - 115	30

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QA/QC Report

April 29, 2015

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301436 (ug/Kg), QC Sample No: BH82721 (BH82998, BH82999, BH83000, BH83001)									
Semivolatiles - Solid									
1,1-Biphenyl	ND	85	80	6.1	77	77	0.0	30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	85	81	4.8	73	73	0.0	30 - 130	30
2,3,4,6-tetrachlorophenol	ND	94	91	3.2	83	86	3.6	30 - 130	30
2,4,5-Trichlorophenol	ND	89	86	3.4	80	82	2.5	30 - 130	30
2,4,6-Trichlorophenol	ND	92	88	4.4	81	81	0.0	30 - 130	30
2,4-Dichlorophenol	ND	88	85	3.5	74	75	1.3	30 - 130	30
2,4-Dimethylphenol	ND	81	79	2.5	56	56	0.0	30 - 130	30
2,4-Dinitrophenol	ND	47	41	13.6	43	47	8.9	30 - 130	30
2,4-Dinitrotoluene	ND	101	97	4.0	92	94	2.2	30 - 130	30
2,6-Dinitrotoluene	ND	96	91	5.3	88	89	1.1	30 - 130	30
2-Chloronaphthalene	ND	83	78	6.2	76	75	1.3	30 - 130	30
2-Chlorophenol	ND	82	77	6.3	75	75	0.0	30 - 130	30
2-Methylnaphthalene	ND	87	82	5.9	74	74	0.0	30 - 130	30
2-Methylphenol (o-cresol)	ND	82	76	7.6	69	71	2.9	30 - 130	30
2-Nitroaniline	ND	121	114	6.0	101	97	4.0	30 - 130	30
2-Nitrophenol	ND	92	88	4.4	77	79	2.6	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	84	79	6.1	72	71	1.4	30 - 130	30
3,3'-Dichlorobenzidine	ND	89	81	9.4	68	68	0.0	30 - 130	30
3-Nitroaniline	ND	104	97	7.0	92	88	4.4	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	90	81	10.5	95	96	1.0	30 - 130	30
4-Bromophenyl phenyl ether	ND	87	83	4.7	78	83	6.2	30 - 130	30
4-Chloro-3-methylphenol	ND	92	89	3.3	77	78	1.3	30 - 130	30
4-Chloroaniline	ND	80	74	7.8	65	62	4.7	30 - 130	30
4-Chlorophenyl phenyl ether	ND	85	81	4.8	78	80	2.5	30 - 130	30
4-Nitroaniline	ND	95	90	5.4	86	86	0.0	30 - 130	30
4-Nitrophenol	ND	98	92	6.3	86	84	2.4	30 - 130	30
Acenaphthene	ND	86	80	7.2	77	78	1.3	30 - 130	30
Acenaphthylene	ND	84	80	4.9	75	77	2.6	30 - 130	30
Acetophenone	ND	85	78	8.6	77	76	1.3	30 - 130	30
Anthracene	ND	89	84	5.8	81	82	1.2	30 - 130	30
Atrazine	ND	101	96	5.1	89	90	1.1	30 - 130	30
Benz(a)anthracene	ND	91	84	8.0	80	81	1.2	30 - 130	30
Benzaldehyde	ND	91	79	14.1	118	124	5.0	30 - 130	30
Benzo(a)pyrene	ND	90	83	8.1	79	80	1.3	30 - 130	30
Benzo(b)fluoranthene	ND	88	81	8.3	78	78	0.0	30 - 130	30
Benzo(ghi)perylene	ND	99	92	7.3	86	89	3.4	30 - 130	30
Benzo(k)fluoranthene	ND	86	80	7.2	78	77	1.3	30 - 130	30
Benzyl butyl phthalate	ND	95	87	8.8	84	86	2.4	30 - 130	30
Bis(2-chloroethoxy)methane	ND	87	83	4.7	74	73	1.4	30 - 130	30
Bis(2-chloroethyl)ether	ND	68	62	9.2	62	61	1.6	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	75	69	8.3	68	68	0.0	30 - 130	30

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bis(2-ethylhexyl)phthalate	ND	91	83	9.2	79	81	2.5	30 - 130	30
Caprolactam	ND	85	82	3.6	73	74	1.4	30 - 130	30
Carbazole	ND	120	112	6.9	105	102	2.9	30 - 130	30
Chrysene	ND	98	90	8.5	87	88	1.1	30 - 130	30
Dibenz(a,h)anthracene	ND	97	90	7.5	85	87	2.3	30 - 130	30
Dibenzofuran	ND	89	83	7.0	79	80	1.3	30 - 130	30
Diethyl phthalate	ND	89	84	5.8	80	81	1.2	30 - 130	30
Dimethylphthalate	ND	88	83	5.8	79	80	1.3	30 - 130	30
Di-n-butylphthalate	ND	109	102	6.6	96	94	2.1	30 - 130	30
Di-n-octylphthalate	ND	83	77	7.5	71	74	4.1	30 - 130	30
Fluoranthene	ND	116	108	7.1	102	99	3.0	30 - 130	30
Fluorene	ND	87	82	5.9	79	80	1.3	30 - 130	30
Hexachlorobenzene	ND	83	78	6.2	74	78	5.3	30 - 130	30
Hexachlorobutadiene	ND	81	77	5.1	71	71	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	78	77	1.3	71	71	0.0	30 - 130	30
Hexachloroethane	ND	73	65	11.6	67	66	1.5	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	98	91	7.4	85	88	3.5	30 - 130	30
Isophorone	ND	81	77	5.1	69	69	0.0	30 - 130	30
Naphthalene	ND	81	77	5.1	70	70	0.0	30 - 130	30
Nitrobenzene	ND	81	74	9.0	74	74	0.0	30 - 130	30
N-Nitrosodimethylamine	ND	69	62	10.7	62	60	3.3	30 - 130	30
N-Nitrosodi-n-propylamine	ND	82	75	8.9	73	73	0.0	30 - 130	30
N-Nitrosodiphenylamine	ND	92	85	7.9	81	81	0.0	30 - 130	30
Pentachlorophenol	ND	92	87	5.6	80	83	3.7	30 - 130	30
Phenanthrene	ND	87	83	4.7	78	80	2.5	30 - 130	30
Phenol	ND	83	76	8.8	74	73	1.4	30 - 130	30
Pyrene	ND	118	111	6.1	104	101	2.9	30 - 130	30
% 2,4,6-Tribromophenol	76	84	78	7.4	74	74	0.0	30 - 130	30
% 2-Fluorobiphenyl	70	83	78	6.2	74	75	1.3	30 - 115	30
% 2-Fluorophenol	66	79	73	7.9	71	71	0.0	30 - 130	30
% Nitrobenzene-d5	70	80	74	7.8	74	73	1.4	23 - 120	30
% Phenol-d5	69	82	76	7.6	73	73	0.0	30 - 130	30
% Terphenyl-d14	94	129	119	8.1	112	109	2.7	18 - 137	30
QA/QC Batch 301428 (ug/Kg), QC Sample No: BH82749 2X (BH82998, BH82999, BH83000, BH83001)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	91	93	2.2	79	79	0.0	30 - 120	15
PCB-1221	ND							30 - 150	30
PCB-1232	ND							30 - 150	30
PCB-1242	ND							30 - 150	30
PCB-1248	ND							30 - 150	30
PCB-1254	ND							30 - 150	30
PCB-1260	ND	91	90	1.1	77	78	1.3	30 - 150	20
PCB-1262	ND							30 - 150	30
PCB-1268	ND							30 - 150	30
% DCBP (Surrogate Rec)	81	107	103	3.8	91	86	5.6	30 - 150	20
% TCMX (Surrogate Rec)	76	99	100	1.0	82	78	5.0	30 - 150	20
QA/QC Batch 301658 (ug/kg), QC Sample No: BH83614 (BH82998, BH83000, BH83001)									
Volatiles (TCL) - Solid									
1,1,1-Trichloroethane	ND	95	97	2.1	93	91	2.2	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	102	100	2.0	93	93	0.0	70 - 130	30
1,1,2-Trichloroethane	ND	96	95	1.0	94	94	0.0	70 - 130	30
1,1-Dichloroethane	ND	96	96	0.0	95	94	1.1	70 - 130	30

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloroethene	ND	102	101	1.0	73	73	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	101	1.0	96	95	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	101	2.0	96	93	3.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	90	92	2.2	82	83	1.2	70 - 130	30	
1,2-Dibromoethane	ND	97	97	0.0	95	93	2.1	70 - 130	30	
1,2-Dichlorobenzene	ND	101	99	2.0	99	97	2.0	70 - 130	30	
1,2-Dichloroethane	ND	97	96	1.0	94	93	1.1	70 - 130	30	
1,2-Dichloropropane	ND	97	96	1.0	96	95	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	101	99	2.0	98	96	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	100	98	2.0	97	96	1.0	70 - 130	30	
1,4-dioxane	ND	105	120	13.3	109	104	4.7	70 - 130	30	
2-Hexanone	ND	86	85	1.2	83	82	1.2	70 - 130	30	
4-Methyl-2-pentanone	ND	91	92	1.1	89	88	1.1	70 - 130	30	
Acetone	ND	91	90	1.1	63	62	1.6	70 - 130	30	m
Benzene	ND	99	98	1.0	97	95	2.1	70 - 130	30	
Bromochloromethane	ND	99	99	0.0	96	97	1.0	70 - 130	30	
Bromodichloromethane	ND	100	99	1.0	90	90	0.0	70 - 130	30	
Bromoform	ND	92	93	1.1	80	80	0.0	70 - 130	30	
Bromomethane	ND	99	97	2.0	62	68	9.2	70 - 130	30	m
Carbon Disulfide	ND	101	101	0.0	70	69	1.4	70 - 130	30	m
Carbon tetrachloride	ND	95	95	0.0	89	88	1.1	70 - 130	30	
Chlorobenzene	ND	101	100	1.0	99	97	2.0	70 - 130	30	
Chloroethane	ND	87	84	3.5	33	33	0.0	70 - 130	30	m
Chloroform	ND	97	96	1.0	86	87	1.2	70 - 130	30	
Chloromethane	ND	87	86	1.2	90	88	2.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	99	99	0.0	97	97	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	99	2.0	92	92	0.0	70 - 130	30	
Cyclohexane	ND	88	88	0.0	94	94	0.0	70 - 130	30	
Dibromochloromethane	ND	100	97	3.0	86	87	1.2	70 - 130	30	
Dichlorodifluoromethane	ND	73	74	1.4	79	78	1.3	70 - 130	30	
Ethylbenzene	ND	102	100	2.0	98	97	1.0	70 - 130	30	
Isopropylbenzene	ND	99	97	2.0	98	97	1.0	70 - 130	30	
m&p-Xylene	ND	100	100	0.0	98	97	1.0	70 - 130	30	
Methyl ethyl ketone	ND	89	90	1.1	85	84	1.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	100	98	2.0	93	92	1.1	70 - 130	30	
Methylacetate	ND	99	101	2.0	97	97	0.0	70 - 130	30	
Methylcyclohexane	ND	95	96	1.0	97	95	2.1	70 - 130	30	
Methylene chloride	ND	97	95	2.1	91	90	1.1	70 - 130	30	
o-Xylene	ND	101	98	3.0	97	97	0.0	70 - 130	30	
Styrene	ND	100	98	2.0	98	98	0.0	70 - 130	30	
Tetrachloroethene	ND	102	99	3.0	97	96	1.0	70 - 130	30	
Toluene	ND	100	99	1.0	98	97	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	101	102	1.0	95	94	1.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	100	100	0.0	90	90	0.0	70 - 130	30	
Trichloroethene	ND	100	100	0.0	99	97	2.0	70 - 130	30	
Trichlorofluoromethane	ND	96	94	2.1	27	26	3.8	70 - 130	30	m
Trichlorotrifluoroethane	ND	101	100	1.0	78	75	3.9	70 - 130	30	
Vinyl chloride	ND	87	87	0.0	95	94	1.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	101	1.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	93	99	99	0.0	99	99	0.0	70 - 130	30	
% Dibromofluoromethane	100	99	98	1.0	96	98	2.1	70 - 130	30	
% Toluene-d8	93	99	99	0.0	98	98	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 301653 (ug/kg), QC Sample No: BH83614 (BH83000, BH83001)										
Volatiles - Solid										
% 1,2-dichlorobenzene-d4	101	100	101	1.0	101	101	0.0	70 - 130	30	
% Bromofluorobenzene	96	99	99	0.0	100	99	1.0	70 - 130	30	
% Toluene-d8	94	100	100	0.0	100	99	1.0	70 - 130	30	
QA/QC Batch 301767 (ug/kg), QC Sample No: BH83623 (BH82999, BH83001 (38X))										
Volatiles (TCL) - Solid										
1,1,1-Trichloroethane	ND	89	97	8.6	75			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	112	8.4	86			70 - 130	30	
1,1,2-Trichloroethane	ND	88	98	10.8	79			70 - 130	30	
1,1-Dichloroethane	ND	87	96	9.8	74			70 - 130	30	
1,1-Dichloroethene	ND	86	95	9.9	43			70 - 130	30	m
1,2,3-Trichlorobenzene	ND	89	95	6.5	73			70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	92	4.4	75			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	91	100	9.4	74			70 - 130	30	
1,2-Dibromoethane	ND	90	100	10.5	78			70 - 130	30	
1,2-Dichlorobenzene	ND	88	95	7.7	76			70 - 130	30	
1,2-Dichloroethane	ND	87	97	10.9	72			70 - 130	30	
1,2-Dichloropropane	ND	86	94	8.9	74			70 - 130	30	
1,3-Dichlorobenzene	ND	86	94	8.9	74			70 - 130	30	
1,4-Dichlorobenzene	ND	86	93	7.8	75			70 - 130	30	
1,4-dioxane	ND	111	108	2.7	77			70 - 130	30	
2-Hexanone	ND	73	80	9.2	63			70 - 130	30	m
4-Methyl-2-pentanone	ND	83	90	8.1	77			70 - 130	30	
Acetone	ND	63	66	4.7	29			70 - 130	30	l,m
Benzene	ND	89	98	9.6	76			70 - 130	30	
Bromochloromethane	ND	91	102	11.4	77			70 - 130	30	
Bromodichloromethane	ND	94	103	9.1	76			70 - 130	30	
Bromoform	ND	101	115	13.0	80			70 - 130	30	
Bromomethane	ND	89	96	7.6	43			70 - 130	30	m
Carbon Disulfide	ND	92	101	9.3	45			70 - 130	30	m
Carbon tetrachloride	ND	93	102	9.2	77			70 - 130	30	
Chlorobenzene	ND	87	96	9.8	73			70 - 130	30	
Chloroethane	ND	79	89	11.9	19			70 - 130	30	m
Chloroform	ND	86	98	13.0	66			70 - 130	30	m
Chloromethane	ND	81	89	9.4	71			70 - 130	30	
cis-1,2-Dichloroethene	ND	88	96	8.7	75			70 - 130	30	
cis-1,3-Dichloropropene	ND	94	104	10.1	78			70 - 130	30	
Cyclohexane	ND	81	90	10.5	75			70 - 130	30	
Dibromochloromethane	ND	100	111	10.4	79			70 - 130	30	
Dichlorodifluoromethane	ND	79	89	11.9	72			70 - 130	30	
Ethylbenzene	ND	90	99	9.5	75			70 - 130	30	
Isopropylbenzene	ND	87	97	10.9	75			70 - 130	30	
m&p-Xylene	ND	89	99	10.6	76			70 - 130	30	
Methyl ethyl ketone	ND	77	82	6.3	66			70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	84	93	10.2	69			70 - 130	30	m
Methylacetate	ND	92	103	11.3	76			70 - 130	30	
Methylcyclohexane	ND	86	96	11.0	76			70 - 130	30	
Methylene chloride	ND	81	90	10.5	65			70 - 130	30	m
o-Xylene	ND	90	100	10.5	77			70 - 130	30	
Styrene	ND	90	99	9.5	77			70 - 130	30	
Tetrachloroethene	ND	90	101	11.5	75			70 - 130	30	

QA/QC Data

SDG I.D.: GBH82998

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Toluene	ND	88	96	8.7	77			70 - 130	30	
trans-1,2-Dichloroethene	ND	88	97	9.7	71			70 - 130	30	
trans-1,3-Dichloropropene	ND	95	106	10.9	78			70 - 130	30	
Trichloroethene	ND	86	96	11.0	74			70 - 130	30	
Trichlorofluoromethane	ND	89	96	7.6	16			70 - 130	30	m
Trichlorotrifluoroethane	ND	91	103	12.4	47			70 - 130	30	m
Vinyl chloride	ND	80	88	9.5	76			70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	102			70 - 130	30	
% Bromofluorobenzene	93	101	101	0.0	102			70 - 130	30	
% Dibromofluoromethane	106	104	106	1.9	103			70 - 130	30	
% Toluene-d8	99	99	99	0.0	100			70 - 130	30	
QA/QC Batch 301765 (ug/kg), QC Sample No: BH83623 (BH82999)										
Volatiles - Solid										
% 1,2-dichlorobenzene-d4	101	100	100	0.0	102	100	2.0	70 - 130	30	
% Bromofluorobenzene	96	100	100	0.0	103	102	1.0	70 - 130	30	
% Toluene-d8	99	100	99	1.0	100	101	1.0	70 - 130	30	
QA/QC Batch 301935 (ug/kg), QC Sample No: BH83891 (BH83000 (45X))										
Volatiles (TCL) - Solid										
1,2,3-Trichlorobenzene	ND	97	99	2.0	62	57	8.4	70 - 130	30	m
1,2,4-Trichlorobenzene	ND	94	97	3.1	62	59	5.0	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	102	114	11.1	99	82	18.8	70 - 130	30	
1,2-Dichlorobenzene	ND	100	100	0.0	79	73	7.9	70 - 130	30	
1,3-Dichlorobenzene	ND	97	99	2.0	81	72	11.8	70 - 130	30	
1,4-Dichlorobenzene	ND	103	102	1.0	84	75	11.3	70 - 130	30	
Isopropylbenzene	ND	98	99	1.0	98	85	14.2	70 - 130	30	
Toluene	ND	103	106	2.9	89	80	10.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	103	101	2.0	102	103	1.0	70 - 130	30	
% Bromofluorobenzene	97	104	103	1.0	102	102	0.0	70 - 130	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 29, 2015

Sample Criteria Exceedences Report

GBH82998 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH82998	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	100	50	50	ug/Kg
BH82998	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	540	1000	1000	ug/Kg
BH82998	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	540	1000	1000	ug/Kg
BH82998	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	540	330	330	ug/Kg
BH82998	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	540	1000	1000	ug/Kg
BH82998	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	540	330	330	ug/Kg
BH82999	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	65	50	50	ug/Kg
BH82999	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	500	330	330	ug/Kg
BH82999	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	500	330	330	ug/Kg
BH83000	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	380	76	50	50	ug/Kg
BH83000	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2800	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1600	330	330	ug/Kg
BH83000	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	2800	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2800	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2800	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	2800	2400	2400	ug/Kg
BH83000	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	1600	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2800	500	500	ug/Kg
BH83000	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2800	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1600	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1600	330	330	ug/Kg
BH83000	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2800	500	500	ug/Kg
BH83000	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2800	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2800	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2800	330	330	ug/Kg
BH83000	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2800	500	500	ug/Kg
BH83000	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2800	330	330	ug/Kg
BH83000	$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1600	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2800	800	800	ug/Kg
BH83000	$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1600	330	330	ug/Kg
BH83000	$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2800	800	800	ug/Kg
BH83000	$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2800	1000	1000	ug/Kg
BH83000	$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2800	1000	1000	ug/Kg
BH83000	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	162	0.8	63	63	mg/Kg
BH83001	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	97	58	50	50	ug/Kg
BH83001	$DP8260_TCLS	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	120	320	60	60	ug/Kg
BH83001	$DP8260_TCLS	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	770	320	700	700	ug/Kg
BH83001	$DP8260_TCLS	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	340	320	260	260	ug/Kg
BH83001	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	570	500	500	ug/Kg
BH83001	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	570	500	500	ug/Kg

Sample Criteria Exceedences Report

GBH82998 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH83001	$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	570	500	500	ug/Kg
BH83001	$DP8270_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	570	330	330	ug/Kg
BH83001	$DP8270_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	570	330	330	ug/Kg
BH83001	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Residential	1300	410	1000	1000	ug/Kg
BH83001	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1300	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	410	100	100	ug/Kg
BH83001	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	61.0	0.40	50	50	mg/kg
BH83001	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.56	0.03	0.18	0.18	mg/Kg
BH83001	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	188	7.9	63	63	mg/Kg
BH83001	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	146	0.8	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 29, 2015

SDG I.D.: GBH82998

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Temp 4°C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to: ↗

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RGriffin Date: 3/12/15

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Arsenic	Soil VOA [X] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
82998	TB-5 (0-2)	S	3/11/15	2:00							3	2								
82999	TB-5 (12-14)			2:00																
83000	TB-7 (6-8)			11:00																
83001	TB-7 (10-12)			11:00																

Relinquished by:	Accepted by:	Date:	Time:
		3/12/15	1220
		3/12/15	14:35
		3/12/15	16:16

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Sarah - Phoenixlabs

From: Rachel Griffiths [rgriffiths@hes-nj.com]
Sent: Monday, April 06, 2015 4:06 PM
To: Sarah - Phoenixlabs; rowanenv1@aol.com
Cc: Tim Carr; Alyssa N. Epstein
Subject: RE: Marbledale Road, Tuckahoe - ASP-B Data Package

Yes from here on out, that'll be much easier... it was sort of a retroactive realization that we had forgotten!

Our validator has requested a hard copy, though we can work that out in-house if you don't do it.

Thanks for your help, as usual!!

-Rachel

Rachel E. Griffiths
Geologist/Hydrogeologist

HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589
Phone: (914) 276-2560
Fax: (914) 276-2664
Cell: (914) 512-0779
www.hesny.com

-----Original Message-----
From: Sarah - Phoenixlabs [mailto:sarah@phoenixlabs.com]
Sent: Monday, April 06, 2015 3:58 PM
To: Rachel Griffiths; rowanenv1@aol.com
Cc: Tim Carr; Alyssa N. Epstein
Subject: RE: Marbledale Road, Tuckahoe - ASP-B Data Package

Rachel,

Should be ok there may be a charge to add these on now, I will let you know.
Going forward please mark on the chain that you need ASP B (we don't charge for these if added at time of sample receipt) it is in the lower right side of the chain even if you don't end up using them as full packages it will save a tremendous amount of time for our Deliverables Team to do upfront.
We will deliver the final package to you and you can add your Validator to this account so they can retrieve all excels and reports they need. Please give me their information once you have it. We do not send out a hard copy normally.

I will let you know the time frame of when you can expect the ASP Bs once I know.

Thanks and will let you know if anything comes up and we can't .
Sarah

-----Original Message-----
From: Rachel Griffiths [mailto:rgriffiths@hes-nj.com]

Sent: Monday, April 06, 2015 3:40 PM
To: Sarah - Phoenixlabs
Cc: Tim Carr; Alyssa N. Epstein
Subject: Marbledale Road, Tuckahoe - ASP-B Data Package

Hi Sarah!!

We will be needing data deliverables that meet the criteria for ASP-B data package for the following delivery groups (and select future data for this
project):

GBH82998
GBH79483
GBH78390
GBH78384

Do you need anything from me to go ahead and get started with this?

Ultimately, HES will receive the electronic copy and a data validator will receive the hard copy.

Give me a call if you'd like to discuss: 914-512-0779

Best,
Rachel

Rachel E. Griffiths
Geologist/Hydrogeologist

HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589
Phone: (914) 276-2560
Fax: (914) 276-2664
Cell: (914) 512-0779
www.hesny.com

PHOENIX
Environmental Laboratories, Inc.

Friday, April 24, 2015

Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BJ03579

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

April 24, 2015

SDG I.D.: GBJ03579

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

BJ03579 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03579
Phoenix ID: BJ03579

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (0-10)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	1.93	0.37		mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	11000	55		mg/Kg	10	04/20/15	LK	SW6010C	
Arsenic	8.4	0.7		mg/Kg	1	04/21/15	LK	SW6010C	
Barium	208	0.37		mg/Kg	1	04/21/15	LK	SW6010C	
Beryllium	< 0.29	0.29		mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	45700	55		mg/Kg	10	04/20/15	LK	SW6010C	
Cadmium	1.41	0.37		mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	11.3	0.37		mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	337	3.7		mg/Kg	10	04/20/15	LK	SW6010C	
Copper	199	3.7		mg/kg	10	04/20/15	LK	SW6010C	
Iron	56800	55		mg/Kg	10	04/20/15	LK	SW6010C	
Mercury	0.15	0.03		mg/Kg	1	04/20/15	RS	SW7471B	
Potassium	2550	5.5		mg/Kg	1	04/21/15	LK	SW6010C	
Magnesium	26300	55		mg/Kg	10	04/20/15	LK	SW6010C	
Manganese	475	3.7		mg/Kg	10	04/20/15	LK	SW6010C	
Sodium	1090	5.5		mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	69.6	0.37		mg/Kg	1	04/21/15	LK	SW6010C	
Lead	1500	37		mg/Kg	100	04/21/15	LK	SW6010C	
Antimony	< 3.7	3.7		mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.5	1.5		mg/Kg	1	04/21/15	LK	SW6010C	
TCLP Silver	< 0.10	0.10		mg/L	1	04/20/15	LK	SW6010C	
TCLP Arsenic	< 0.10	0.10		mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	2.00	0.10		mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.050	0.050		mg/L	1	04/20/15	LK	SW6010C	
TCLP Chromium	< 0.10	0.10		mg/L	1	04/20/15	LK	SW6010C	
TCLP Copper	< 0.10	0.10		mg/L	1	04/20/15	LK	SW6010C	
TCLP Mercury	< 0.0002	0.0002		mg/L	1	04/17/15	RS	SW7470A	
TCLP Nickel	0.44	0.10		mg/L	1	04/20/15	LK	SW6010C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (0-10)

Phoenix I.D.: BJ03579

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
TCLP Lead	0.38	0.10		mg/L	1	04/20/15	LK	SW6010C	
TCLP Selenium	< 0.10	0.10		mg/L	1	04/20/15	LK	SW6010C	
TCLP Zinc	8.17	0.10		mg/L	1	04/20/15	LK	SW6010C	
Thallium	< 3.3	3.3		mg/Kg	1	04/21/15	LK	SW6010C	
TCLP Metals Digestion	Completed					04/17/15	I/I	SW3005A	
Vanadium	36.6	0.37		mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	867	3.7		mg/Kg	10	04/20/15	LK	SW6010C	B
Percent Solid	85			%		04/16/15	I	SW846-%Solid	
Corrosivity	Negative			Pos/Neg	1	04/16/15	DH/KDB	SW846-Corr	1
Flash Point	>200	200		Degree F	1	04/18/15	Y	SW1010A	
Chromium, Hexavalent	< 0.45	0.45		mg/Kg	1	04/20/15	CL	SW7196A	
Ignitability	Passed	140		degree F	1	04/18/15	Y	SW846-Ignit	1
pH - Soil	8.69	0.10		pH Units	1	04/16/15 23:50	DH/KDB	SW9045	1
Reactivity Cyanide	< 5.8	5.8		mg/Kg	1	04/17/15	O/EG	SW846-React	1
Reactivity Sulfide	< 20	20		mg/Kg	1	04/16/15	BS/GD	SW-7.3	1
Reactivity	Negative			Pos/Neg	1	04/16/15	BS/GD	SW846-React	1
Redox Potential	16	1.0		mV	1	04/16/15	DH/KDB	SM2580B-09	1
Total Cyanide (SW9010C Distillation)	0.68	0.59		mg/Kg	1	04/16/15	O/EG	SW9012B	
Soil Extraction for PCB	Completed					04/20/15	BB	SW3545A	
Soil Extraction for Pesticide	Completed					04/20/15	BB/H	SW3545A	
Soil Extraction for SVOA	Completed					04/16/15	JJ/VH	SW3545A	
Mercury Digestion	Completed					04/20/15	I/I	SW7471B	
Ext. of Petroleum Hydrocarbons	Completed					04/16/15	BC/V	SW3545A	
TCLP Digestion Mercury	Completed					04/17/15	I/I	SW7470A	
TCLP Herbicides Extraction	Completed					04/20/15	W/D	SW8150 MOD	
TCLP Extraction for Metals	Completed					04/16/15	I	SW1311	
TCLP Extraction for Organics	Completed					04/21/15	I	SW1311	
TCLP Pesticides Extraction	Completed					04/22/15	D/D	SW3510C	
TCLP Semi-Volatile Extraction	Completed					04/17/15	L	SW3510C	
Total Metals Digest	Completed					04/16/15	AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
PCB-1221	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
PCB-1232	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
PCB-1242	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
PCB-1248	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
PCB-1254	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
PCB-1260	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
PCB-1262	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
PCB-1268	ND	76		ug/Kg	2	04/21/15	AW	SW8082A	
QA/QC Surrogates									
% DCBP	79			%	2	04/21/15	AW	30 - 150 %	
% TCMX	82			%	2	04/21/15	AW	30 - 150 %	
Pesticides - Soil									
4,4' -DDD	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
4,4' -DDE	ND	23	23	ug/Kg	20	04/21/15	CE	SW8081B	
4,4' -DDT	ND	23	23	ug/Kg	20	04/21/15	CE	SW8081B	
a-BHC	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (0-10)

Phoenix I.D.: BJ03579

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
a-Chlordane	ND	38	38	ug/Kg	20	04/21/15	CE	SW8081B	
Aldrin	ND	11	11	ug/Kg	20	04/21/15	CE	SW8081B	
b-BHC	ND	38	38	ug/Kg	20	04/21/15	CE	SW8081B	
Chlordane	ND	380	380	ug/Kg	20	04/21/15	CE	SW8081B	
d-BHC	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
Dieldrin	ND	38	38	ug/Kg	20	04/21/15	CE	SW8081B	
Endosulfan I	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
Endosulfan II	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
Endosulfan sulfate	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
Endrin	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
Endrin aldehyde	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
Endrin ketone	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
g-BHC	ND	15	15	ug/Kg	20	04/21/15	CE	SW8081B	
g-Chlordane	ND	38	38	ug/Kg	20	04/21/15	CE	SW8081B	
Heptachlor	ND	76	76	ug/Kg	20	04/21/15	CE	SW8081B	
Heptachlor epoxide	ND	38	38	ug/Kg	20	04/21/15	CE	SW8081B	
Methoxychlor	ND	380	380	ug/Kg	20	04/21/15	CE	SW8081B	
Toxaphene	ND	1500	1500	ug/Kg	20	04/21/15	CE	SW8081B	
QA/QC Surrogates									
% DCBP	Diluted Out			%	20	04/21/15	CE	30 - 150 %	
% TCMX	Diluted Out			%	20	04/21/15	CE	30 - 150 %	
TCLP Herbicides									
2,4,5-TP (Silvex)	ND	4.2		ug/L	10	04/21/15	BB	SW8151A	
2,4-D	ND	4.2		ug/L	10	04/21/15	BB	SW8151A	
QA/QC Surrogates									
% DCAA	58			%	10	04/21/15	BB	30 - 150 %	
TCLP Pesticides									
4,4' -DDD	ND	1.0		ug/L	10	04/22/15	CE	SW8081B	
4,4' -DDE	ND	1.0		ug/L	10	04/22/15	CE	SW8081B	
4,4' -DDT	ND	1.0		ug/L	10	04/22/15	CE	SW8081B	
a-BHC	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
Alachlor	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	1
Aldrin	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
b-BHC	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
Chlordane	ND	5.0		ug/L	10	04/22/15	CE	SW8081B	
d-BHC	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
Dieldrin	ND	1.0		ug/L	10	04/22/15	CE	SW8081B	
Endosulfan I	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
Endosulfan II	ND	1.0		ug/L	10	04/22/15	CE	SW8081B	
Endosulfan Sulfate	ND	1.0		ug/L	10	04/22/15	CE	SW8081B	
Endrin	ND	1.0		ug/L	10	04/22/15	CE	SW8081B	
Endrin Aldehyde	ND	1.0		ug/L	10	04/22/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
Heptachlor	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
Heptachlor epoxide	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
Methoxychlor	ND	0.50		ug/L	10	04/22/15	CE	SW8081B	
Toxaphene	ND	20		ug/L	10	04/22/15	CE	SW8081B	
QA/QC Surrogates									

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (0-10)

Phoenix I.D.: BJ03579

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
%DCBP (Surrogate Rec)	63			%	10	04/22/15	CE	30 - 150 %	
%TCMX (Surrogate Rec)	98			%	10	04/22/15	CE	30 - 150 %	
Extractable TPH C9-C44									
TPH to C44	1100	160		mg/Kg	2	04/20/15	JRB	SW8015D TPH	
QA/QC Surrogates									
% Chlorobenzene (surrogate)	45			%	2	04/20/15	JRB	60 - 120 %	3
% Pentacosane (surrogate)	81			%	2	04/20/15	JRB	50 - 150 %	
Gasoline Range Organics (C6-C10)	ND	24		mg/Kg	1	04/20/15	JRB	SW8015D GRO	
Volatiles (TCL)									
1,1,1-Trichloroethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	290		ug/kg	50	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	290		ug/kg	50	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	80		ug/kg	50	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND	290		ug/kg	50	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND	290		ug/kg	50	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND	290		ug/kg	50	04/17/15	JLI	SW8260C	
2-Hexanone	ND	36		ug/kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND	36		ug/kg	1	04/17/15	JLI	SW8260C	
Acetone	ND	72		ug/kg	1	04/17/15	JLI	SW8260C	
Benzene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Carbon Disulfide	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Carbon tetrachloride	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Chlorobenzene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Chloroethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Chloroform	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Chloromethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Cyclohexane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Dibromochloromethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Dichlorodifluoromethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Ethylbenzene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Isopropylbenzene	ND	290		ug/kg	50	04/17/15	JLI	SW8260C	
m&p-Xylene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Methyl ethyl ketone	ND	43		ug/kg	1	04/17/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	14		ug/kg	1	04/17/15	JLI	SW8260C	
Methylacetate	ND	5.7		ug/kg	1	04/17/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (0-10)

Phoenix I.D.: BJ03579

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Methylcyclohexane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Methylene chloride	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
o-Xylene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Styrene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Tetrachloroethene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Toluene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Total Xylenes	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Trichloroethene	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Trichlorofluoromethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
Vinyl chloride	ND	7.2		ug/kg	1	04/17/15	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	50	04/17/15	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	50	04/17/15	JLI	70 - 130 %	
% Dibromofluoromethane	116			%	1	04/17/15	JLI	70 - 130 %	
% Toluene-d8	83			%	1	04/17/15	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	29		ug/Kg	1	04/17/15	JLI	SW8260C	
Acrolein	ND	29		ug/Kg	1	04/17/15	JLI	SW8260C	
Acrylonitrile	ND	29		ug/Kg	1	04/17/15	JLI	SW8260C	
Tert-butyl alcohol	ND	140		ug/Kg	1	04/17/15	JLI	SW8260C	
Volatile Library Search Top 10	Completed					04/20/15	JLI		
Hexavalent Chromium Soil Digestion	Completed			mg/Kg		04/16/15		SW3060	
Semivolatiles									
1,1-Biphenyl	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2,4-Dichlorophenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2,4-Dimethylphenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2,4-Dinitrophenol	ND	620		ug/Kg	1	04/17/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2-Chloronaphthalene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2-Chlorophenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2-Methylnaphthalene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
2-Nitroaniline	ND	620		ug/Kg	1	04/17/15	DD	SW8270D	
2-Nitrophenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	2400	390		ug/Kg	1	04/17/15	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	470		ug/Kg	1	04/17/15	DD	SW8270D	
3-Nitroaniline	ND	620		ug/Kg	1	04/17/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1100		ug/Kg	1	04/17/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	390		ug/Kg	1	04/17/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (0-10)

Phoenix I.D.: BJ03579

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Chloro-3-methylphenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
4-Chloroaniline	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
4-Nitroaniline	ND	620		ug/Kg	1	04/17/15	DD	SW8270D	
4-Nitrophenol	ND	1100		ug/Kg	1	04/17/15	DD	SW8270D	
Acenaphthene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Acenaphthylene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Acetophenone	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Anthracene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Atrazine	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Benz(a)anthracene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Benzaldehyde	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(a)pyrene	ND	200		ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(b)fluoranthene	280	270		ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(ghi)perylene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Benzyl butyl phthalate	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	390		ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	340	270		ug/Kg	1	04/17/15	DD	SW8270D	
Caprolactam	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Carbazole	ND	1100		ug/Kg	1	04/17/15	DD	SW8270D	
Chrysene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	200		ug/Kg	1	04/17/15	DD	SW8270D	
Dibenzofuran	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Diethyl phthalate	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Dimethylphthalate	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-butylphthalate	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-octylphthalate	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Fluoranthene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Fluorene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobenzene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobutadiene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Hexachloroethane	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Isophorone	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Naphthalene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Nitrobenzene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	390		ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	200		ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	390		ug/Kg	1	04/17/15	DD	SW8270D	
Pentachlorophenol	ND	390		ug/Kg	1	04/17/15	DD	SW8270D	
Phenanthrene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Phenol	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
Pyrene	ND	270		ug/Kg	1	04/17/15	DD	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	97			%	1	04/17/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	66			%	1	04/17/15	DD	30 - 130 %
% 2-Fluorophenol	68			%	1	04/17/15	DD	30 - 130 %
% Nitrobenzene-d5	72			%	1	04/17/15	DD	30 - 130 %
% Phenol-d5	74			%	1	04/17/15	DD	30 - 130 %
% Terphenyl-d14	36			%	1	04/17/15	DD	30 - 130 %
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83		ug/L	1	04/20/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	83		ug/L	1	04/20/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	83		ug/L	1	04/20/15	DD	SW8270D
2,4-Dinitrotoluene	ND	83		ug/L	1	04/20/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	83		ug/L	1	04/20/15	DD	SW8270D
3&4-Methylphenol (m&p-Cresol)	ND	83		ug/L	1	04/20/15	DD	SW8270D
Hexachlorobenzene	ND	83		ug/L	1	04/20/15	DD	SW8270D
Hexachlorobutadiene	ND	83		ug/L	1	04/20/15	DD	SW8270D
Hexachloroethane	ND	83		ug/L	1	04/20/15	DD	SW8270D
Nitrobenzene	ND	83		ug/L	1	04/20/15	DD	SW8270D
Pentachlorophenol	ND	83		ug/L	1	04/20/15	DD	SW8270D
Pyridine	ND	83		ug/L	1	04/20/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	1	04/20/15	DD	15 - 110 %
% 2-Fluorobiphenyl	82			%	1	04/20/15	DD	30 - 130 %
% 2-Fluorophenol	70			%	1	04/20/15	DD	15 - 110 %
% Nitrobenzene-d5	93			%	1	04/20/15	DD	30 - 130 %
% Phenol-d5	57			%	1	04/20/15	DD	15 - 110 %
% Terphenyl-d14	112			%	1	04/20/15	DD	30 - 130 %
SVOA Library Search Top 15	Completed					04/21/15	DD	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Hexavalent Chromium:
This sample is in a reducing state.

Headspace:
Low surrogate recovery observed. Sample re-run with similar results.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 24, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

1E

CLIENT I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB-2 (0-1

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.:

Matrix:(soil/water) SOIL Lab Sample ID: BJ03579

Sample wt/vol: 4.1 (g/mL) g Lab File ID: 0417M19.D

Level: (low/med) ENL Date Received: 04/16/15

% Moisture: not dec. 15 Date Analyzed: 04/17/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor:

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL):

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.
	unknown	2.794	33
	unknown	3.009	21
	unknown	3.526	22
	unknown	6.210	25
001678-92-8	Cyclohexane, propyl-	6.283	15
000108-67-8	Benzene, 1,3,5-trimethyl-	7.120	20
	unknown	7.308	18
000630-02-4	Octacosane	7.543	26
	unknown	7.773	27

FORM I VOA-TIC

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CLIENT I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB-2 (0-1

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.:

Matrix:(soil/water) SOIL Lab Sample ID: BJ03579

Sample wt/vol: 15.13 (g/mL) g Lab File ID: 0417_17.D

Level: (low/med) Low Date Received: 04/16/15

% Moisture: not dec. 15 decanted:(Y/N) NA Date Extracted: 04/17/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 4/17/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.180	2000
	Unknown	7.550	970
	Unknown	7.770	740
000057-10-3	Hexadecanoic acid	15.560	1000
	Unknown	16.850	620
000646-31-1	Tetracosane	18.670	680
000629-99-2	Pentacosane	19.430	820
000630-01-3	Hexacosane	20.200	920
000593-49-7	Heptacosane	20.870	1100
055320-06-4	Heneicosane, 11-decyl-	21.440	1400
013287-24-6	Nonadecane, 9-methyl-	21.970	1800
000638-68-6	Triacontane	22.540	1200
000629-94-7	Heneicosane	23.160	1300
	Unknown	23.530	1700
	Unknown	24.140	1900

ID

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GBJ03579

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PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 24, 2015

QA/QC Data

SDG I.D.: GBJ03579

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 304926 (mg/L), QC Sample No: BJ03457 (BJ03579)														
ICP Metals - TCLP Extraction														
Arsenic	BRL	0.01	<0.01	<0.01	NC	105	106	0.9	107	107	0.0	75 - 125	20	
Barium	0.02	0.01	0.51	0.48	6.10	101	102	1.0	101	105	3.9	75 - 125	20	
Cadmium	BRL	0.005	0.005	0.004	NC	101	103	2.0	103	101	2.0	75 - 125	20	
Chromium	BRL	0.010	0.004	0.003	NC	94.3	94.4	0.1	95.6	96.4	0.8	75 - 125	20	
Copper	BRL	0.010	0.437	0.412	5.90	108	109	0.9	111	113	1.8	75 - 125	20	
Lead	BRL	0.010	0.175	0.170	2.90	104	106	1.9	105	103	1.9	75 - 125	20	
Nickel	BRL	0.010	0.039	0.036	NC	92.6	92.6	0.0	93.5	94.3	0.9	75 - 125	20	
Selenium	BRL	0.01	<0.04	<0.01	NC	109	110	0.9	111	111	0.0	75 - 125	20	
Silver	BRL	0.010	<0.005	<0.010	NC	104	104	0.0	107	107	0.0	75 - 125	20	
Zinc	BRL	0.010	1.06	0.994	6.40	99.1	102	2.9	103	105	1.9	75 - 125	20	
QA/QC Batch 304946 (mg/L), QC Sample No: BJ03457 (BJ03579)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	117	118	0.9	109	112	2.7	70 - 130	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 304882 (mg/kg), QC Sample No: BJ03572 (BJ03579)														
ICP Metals - Soil														
Aluminum	BRL	4.4	18000	15400	15.6	94.8	90.1	5.1	NC	NC	NC	75 - 125	30	
Antimony	BRL	2.9	<1.8	<4.0	NC	79.5	81.0	1.9	75.0	76.4	1.8	75 - 125	30	
Arsenic	BRL	0.59	1.9	1.84	NC	92.6	91.2	1.5	92.9	91.7	1.3	75 - 125	30	
Barium	BRL	0.29	1750	1730	1.10	91.4	88.6	3.1	NC	NC	NC	75 - 125	30	
Beryllium	BRL	0.24	0.61	0.56	NC	93.7	91.1	2.8	93.3	93.7	0.4	75 - 125	30	
Cadmium	BRL	0.29	0.16	0.21	NC	87.1	86.1	1.2	87.6	87.2	0.5	75 - 125	30	
Calcium	BRL	4.4	24400	22200	9.40	89.4	90.1	0.8	NC	NC	NC	75 - 125	30	
Chromium	BRL	0.29	40.6	37.2	8.70	90.4	87.3	3.5	88.9	88.6	0.3	75 - 125	30	
Cobalt	BRL	0.29	15.5	15.7	1.30	89.5	87.7	2.0	92.1	91.9	0.2	75 - 125	30	
Copper	BRL	0.29	132	93.6	34.0	92.6	89.8	3.1	88.0	>130	NC	75 - 125	30	m,r
Iron	BRL	4.4	44000	38100	14.4	87.0	86.6	0.5	NC	NC	NC	75 - 125	30	
Lead	BRL	0.29	88.8	96.8	8.60	88.5	88.4	0.1	109	84.0	25.9	75 - 125	30	
Magnesium	BRL	4.4	14300	11600	20.8	90.7	89.1	1.8	NC	NC	NC	75 - 125	30	
Manganese	BRL	0.29	322	261	20.9	88.1	90.0	2.1	95.0	47.7	66.3	75 - 125	30	m,r
Nickel	BRL	0.29	23.3	24.0	3.00	87.8	85.6	2.5	88.1	87.0	1.3	75 - 125	30	
Potassium	BRL	4.4	7530	6410	16.1	94.8	91.4	3.7	NC	NC	NC	75 - 125	30	
Selenium	BRL	1.2	<1.4	<1.6	NC	85.6	84.4	1.4	81.5	80.7	1.0	75 - 125	30	
Silver	BRL	0.29	<0.35	<0.40	NC	94.1	92.5	1.7	102	99.9	2.1	75 - 125	30	
Sodium	BRL	4.4	1130	946	17.7	103	99.4	3.6	85.3	109	24.4	75 - 125	30	
Thallium	BRL	2.6	<1.4	<3.6	NC	89.9	89.3	0.7	92.2	91.9	0.3	75 - 125	30	
Vanadium	BRL	0.29	55.1	49.2	11.3	84.2	82.0	2.6	87.0	91.3	4.8	75 - 125	30	
Zinc	1.62	0.29	5500	2410	78.1	86.6	86.6	0.0	NC	NC	NC	75 - 125	30	r
QA/QC Batch 305110 (mg/kg), QC Sample No: BJ03703 (BJ03579)														
Mercury - Soil	BRL	0.06	0.18	0.17	5.70	97.8	95.6	2.3	98.8	49.1	67.2	70 - 130	30	m,r

QA/QC Data

SDG I.D.: GBJ03579

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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QA/QC Report

April 24, 2015

QA/QC Data

SDG I.D.: GBJ03579

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 305088 (Degree F), QC Sample No: BJ03457 (BJ03579)													
Flash Point			>200	>200	NC	100						85 - 115	30
QA/QC Batch 304897 (mg/Kg), QC Sample No: BJ03572 50X (BJ03579)													
Total Cyanide (SW9010C Distillatio	BRL	0.50	<0.58	0.312 B	NC	98.3			84.5			85 - 115	30
QA/QC Batch 304931 (PH), QC Sample No: BJ03579 (BJ03579)													
pH - Soil			8.69	8.71	0.20	98.4						85 - 115	20
QA/QC Batch 304921 (mg/Kg), QC Sample No: BJ03771 4.81X (BJ03579)													
Reactivity Cyanide	BRL	0.05	<9.8	<10	NC	93.4						85 - 115	30

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 24, 2015

QA/QC Data

SDG I.D.: GBJ03579

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 304766 (ug/L), QC Sample No: BJ02363 (BJ03579)											
Semivolatiles											
1,4-Dichlorobenzene	ND	58	55	54	1.8				30 - 130	20	
2,4,5-Trichlorophenol	ND	58	97	93	4.2				30 - 130	20	
2,4,6-Trichlorophenol	ND	58	88	87	1.1				30 - 130	20	
2,4-Dinitrotoluene	ND	58	84	85	1.2				30 - 130	20	
2-Methylphenol (o-cresol)	ND	58	70	71	1.4				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	58	67	67	0.0				30 - 130	20	
Hexachlorobenzene	ND	58	88	87	1.1				30 - 130	20	
Hexachlorobutadiene	ND	58	64	63	1.6				30 - 130	20	
Hexachloroethane	ND	58	51	51	0.0				30 - 130	20	
Nitrobenzene	ND	58	73	73	0.0				30 - 130	20	
Pentachlorophenol	ND	58	90	90	0.0				30 - 130	20	
Pyridine	ND	58	30	30	0.0				30 - 130	20	
% 2,4,6-Tribromophenol	92	%	88	87	1.1				15 - 110	20	
% 2-Fluorobiphenyl	76	%	79	78	1.3				30 - 130	20	
% 2-Fluorophenol	53	%	52	50	3.9				15 - 110	20	
% Nitrobenzene-d5	79	%	74	74	0.0				30 - 130	20	
% Phenol-d5	43	%	44	43	2.3				15 - 110	20	
% Terphenyl-d14	106	%	107	107	0.0				30 - 130	20	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 304852 (ug/Kg), QC Sample No: BJ03350 2X (BJ03579)											
Pesticides - Solid											
4,4' -DDD	ND	1.7	86	82	4.8	107	118	9.8	40 - 140	30	
4,4' -DDE	ND	1.7	92	88	4.4	112	117	4.4	40 - 140	30	
4,4' -DDT	ND	1.7	84	81	3.6	87	130	39.6	40 - 140	30	r
a-BHC	ND	3.3	101	98	3.0	99	111	11.4	40 - 140	30	
a-Chlordane	ND	3.3	90	87	3.4	150	Intf	NC	40 - 140	30	
Aldrin	ND	1.0	87	82	5.9	91	84	8.0	40 - 140	30	
b-BHC	ND	3.3	88	83	5.8	94	83	12.4	40 - 140	30	
Chlordane	ND	33	91	87	4.5	Intf	Intf	NC	40 - 140	30	
d-BHC	ND	3.3	91	86	5.6	88	85	3.5	40 - 140	30	
Dieldrin	ND	1.0	88	84	4.7	131	Intf	NC	40 - 140	30	
Endosulfan I	ND	3.3	92	83	10.3	86	81	6.0	40 - 140	30	
Endosulfan II	ND	3.3	88	71	21.4	79	83	4.9	40 - 140	30	
Endosulfan sulfate	ND	3.3	75	73	2.7	86	95	9.9	40 - 140	30	
Endrin	ND	3.3	94	90	4.3	112	94	17.5	40 - 140	30	
Endrin aldehyde	ND	3.3	83	60	32.2	90	96	6.5	40 - 140	30	r
Endrin ketone	ND	3.3	89	86	3.4	118	110	7.0	40 - 140	30	

QA/QC Data

SDG I.D.: GBJ03579

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
g-BHC	ND	1.0	94	89	5.5	99	95	4.1	40 - 140	30	
g-Chlordane	ND	3.3	91	87	4.5	Intf	Intf	NC	40 - 140	30	
Heptachlor	ND	3.3	83	78	6.2	79	76	3.9	40 - 140	30	
Heptachlor epoxide	ND	3.3	88	83	5.8	94	96	2.1	40 - 140	30	
Methoxychlor	ND	3.3	90	87	3.4	Intf	Intf	NC	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	94	%	92	89	3.3	110	64	52.9	30 - 150	30	r
% TCMX	79	%	85	82	3.6	73	72	1.4	30 - 150	30	
QA/QC Batch 304872 (ug/Kg), QC Sample No: BJ03572 5X (BJ03579)											
Polychlorinated Biphenyls - Solid											
PCB-1016	ND	83	77	85	9.9	96	85	12.2	40 - 140	30	
PCB-1221	ND	83							40 - 140	30	
PCB-1232	ND	83							40 - 140	30	
PCB-1242	ND	83							40 - 140	30	
PCB-1248	ND	83							40 - 140	30	
PCB-1254	ND	83							40 - 140	30	
PCB-1260	ND	83	84	86	2.4	74	71	4.1	40 - 140	30	
PCB-1262	ND	83							40 - 140	30	
PCB-1268	ND	83							40 - 140	30	
% DCBP (Surrogate Rec)	99	%	105	108	2.8	79	72	9.3	30 - 150	30	
% TCMX (Surrogate Rec)	90	%	95	96	1.0	79	77	2.6	30 - 150	30	
QA/QC Batch 305114 (ug/kg), QC Sample No: BJ03572 (BJ03579 (1X, 50X))											
Volatiles (TCL) - Solid											
1,1,1,2-Tetrachloroethane	ND	5.0	101	103	2.0	79	95	18.4	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	105	104	1.0	83	103	21.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	5.0	105	104	1.0	77	94	19.9	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	99	99	0.0	81	101	22.0	70 - 130	30	
1,1-Dichloroethane	ND	5.0	104	100	3.9	85	104	20.1	70 - 130	30	
1,1-Dichloroethene	ND	5.0	106	103	2.9	81	93	13.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	109	111	1.8	91	115	23.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	108	110	1.8	89	116	26.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	109	105	3.7	76	92	19.0	70 - 130	30	
1,2-Dibromoethane	ND	5.0	106	107	0.9	86	108	22.7	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	105	106	0.9	87	106	19.7	70 - 130	30	
1,2-Dichloroethane	ND	5.0	102	100	2.0	82	104	23.7	70 - 130	30	
1,2-Dichloropropane	ND	5.0	102	102	0.0	86	104	18.9	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	105	107	1.9	88	110	22.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	102	104	1.9	86	110	24.5	70 - 130	30	
2-Hexanone	ND	25	105	102	2.9	74	90	19.5	70 - 130	30	
4-Methyl-2-pentanone	ND	25	110	110	0.0	78	97	21.7	70 - 130	30	
Acetone	ND	50	88	84	4.7	55	41	29.2	70 - 130	30	m
Acrolein	ND	20	97	94	3.1	67	88	27.1	70 - 130	30	m
Acrylonitrile	ND	10	106	102	3.8	83	104	22.5	70 - 130	30	
Benzene	ND	5.0	105	104	1.0	91	109	18.0	70 - 130	30	
Bromochloromethane	ND	5.0	102	104	1.9	81	97	18.0	70 - 130	30	
Bromodichloromethane	ND	5.0	106	104	1.9	79	98	21.5	70 - 130	30	
Bromoform	ND	5.0	104	103	1.0	69	86	21.9	70 - 130	30	m
Bromomethane	ND	5.0	89	96	7.6	52	66	23.7	70 - 130	30	m
Carbon Disulfide	ND	5.0	109	108	0.9	76	92	19.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	103	102	1.0	81	99	20.0	70 - 130	30	
Chlorobenzene	ND	5.0	102	101	1.0	88	105	17.6	70 - 130	30	
Chloroethane	ND	5.0	104	99	4.9	15	17	12.5	70 - 130	30	m

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloroform	ND	5.0	98	95	3.1	80	95	17.1	70 - 130	30	
Chloromethane	ND	5.0	97	95	2.1	80	102	24.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	105	103	1.9	91	109	18.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	115	114	0.9	83	107	25.3	70 - 130	30	
Cyclohexane	ND	5.0	97	96	1.0	92	108	16.0	70 - 130	30	
Dibromochloromethane	ND	5.0	105	105	0.0	78	96	20.7	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	113	111	1.8	85	107	22.9	70 - 130	30	
Ethylbenzene	ND	5.0	104	104	0.0	89	105	16.5	70 - 130	30	
Isopropylbenzene	ND	5.0	106	108	1.9	92	109	16.9	70 - 130	30	
m&p-Xylene	ND	5.0	103	103	0.0	89	107	18.4	70 - 130	30	
Methyl ethyl ketone	ND	30	101	98	3.0	71	86	19.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	10	102	101	1.0	79	96	19.4	70 - 130	30	
Methylacetate	ND	4.0	103	102	1.0	68	86	23.4	70 - 130	30	m
Methylcyclohexane	ND	5.0	102	100	2.0	93	110	16.7	70 - 130	30	
Methylene chloride	ND	5.0	105	104	1.0	75	88	16.0	70 - 130	30	
o-Xylene	ND	5.0	107	108	0.9	90	110	20.0	70 - 130	30	
Styrene	ND	5.0	105	104	1.0	89	107	18.4	70 - 130	30	
tert-butyl alcohol	ND	100	81	92	12.7	68	83	19.9	70 - 130	30	m
Tetrachloroethene	ND	5.0	106	106	0.0	96	114	17.1	70 - 130	30	
Toluene	ND	5.0	103	104	1.0	88	108	20.4	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	102	102	0.0	80	97	19.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	117	113	3.5	75	102	30.5	70 - 130	30	
Trichloroethene	ND	5.0	104	103	1.0	92	111	18.7	70 - 130	30	
Trichlorofluoromethane	ND	5.0	99	97	2.0	16	19	17.1	70 - 130	30	m
Trichlorotrifluoroethane	ND	5.0	101	100	1.0	82	95	14.7	70 - 130	30	
Vinyl chloride	ND	5.0	106	106	0.0	71	86	19.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	%	102	103	1.0	101	101	0.0	70 - 130	30	
% Bromofluorobenzene	95	%	103	103	0.0	100	101	1.0	70 - 130	30	
% Dibromofluoromethane	100	%	101	99	2.0	97	98	1.0	70 - 130	30	
% Toluene-d8	93	%	102	102	0.0	100	103	3.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 304873 (ug/Kg), QC Sample No: BJ03572 (BJ03579)

Semivolatiles - Solid

1,1-Biphenyl	ND	230	98	94	4.2	83	94	12.4	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	230	85	82	3.6	77	89	14.5	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	230	89	87	2.3	89	81	9.4	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	102	98	4.0	94	76	21.2	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	95	93	2.1	85	80	6.1	30 - 130	30	
2,4-Dichlorophenol	ND	130	94	96	2.1	85	91	6.8	30 - 130	30	
2,4-Dimethylphenol	ND	230	84	86	2.4	86	95	9.9	30 - 130	30	
2,4-Dinitrophenol	ND	230	28	29	3.5	14	<10	NC	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	130	105	103	1.9	94	102	8.2	30 - 130	30	
2,6-Dinitrotoluene	ND	130	108	100	7.7	92	98	6.3	30 - 130	30	
2-Chloronaphthalene	ND	230	100	93	7.3	84	91	8.0	30 - 130	30	
2-Chlorophenol	ND	230	87	85	2.3	72	76	5.4	30 - 130	30	
2-Methylnaphthalene	ND	230	92	88	4.4	82	93	12.6	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	90	90	0.0	79	84	6.1	30 - 130	30	
2-Nitroaniline	ND	670	120	118	1.7	118	125	5.8	30 - 130	30	
2-Nitrophenol	ND	230	84	88	4.7	73	79	7.9	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	90	91	1.1	89	96	7.6	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	88	87	1.1	106	103	2.9	30 - 130	30	

QA/QC Data

SDG I.D.: GBJ03579

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3-Nitroaniline	ND	670	102	98	4.0	94	97	3.1	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	170	58	57	1.7	62	47	27.5	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	99	94	5.2	81	88	8.3	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	97	95	2.1	92	101	9.3	30 - 130	30	
4-Chloroaniline	ND	230	84	86	2.4	68	70	2.9	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	99	94	5.2	88	97	9.7	30 - 130	30	
4-Nitroaniline	ND	670	109	111	1.8	98	107	8.8	30 - 130	30	
4-Nitrophenol	ND	230	95	99	4.1	96	91	5.3	30 - 130	30	
Acenaphthene	ND	230	92	92	0.0	82	89	8.2	30 - 130	30	
Acenaphthylene	ND	230	99	92	7.3	83	90	8.1	30 - 130	30	
Acetophenone	ND	230	89	91	2.2	77	82	6.3	30 - 130	30	
Anthracene	ND	230	102	101	1.0	93	101	8.2	30 - 130	30	
Atrazine	ND	130	105	103	1.9	92	95	3.2	30 - 130	30	
Benz(a)anthracene	ND	230	96	97	1.0	87	94	7.7	30 - 130	30	
Benzaldehyde	ND	230	138	136	1.5	>200	145	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	230	93	97	4.2	92	96	4.3	30 - 130	30	
Benzo(b)fluoranthene	ND	230	95	98	3.1	87	96	9.8	30 - 130	30	
Benzo(ghi)perylene	ND	230	94	120	24.3	81	104	24.9	30 - 130	30	
Benzo(k)fluoranthene	ND	230	104	102	1.9	91	92	1.1	30 - 130	30	
Benzyl butyl phthalate	ND	230	107	114	6.3	106	114	7.3	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	94	98	4.2	81	90	10.5	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	73	74	1.4	57	62	8.4	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	79	84	6.1	66	66	0.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	113	117	3.5	101	107	5.8	30 - 130	30	
Caprolactam	ND	230	91	91	0.0	96	65	38.5	30 - 130	30	r
Carbazole	ND	500	119	117	1.7	119	125	4.9	30 - 130	30	
Chrysene	ND	230	104	102	1.9	99	106	6.8	30 - 130	30	
Dibenz(a,h)anthracene	ND	230	94	118	22.6	83	102	20.5	30 - 130	30	
Dibenzofuran	ND	230	97	95	2.1	87	96	9.8	30 - 130	30	
Diethyl phthalate	ND	230	102	99	3.0	93	100	7.3	30 - 130	30	
Dimethylphthalate	ND	230	101	97	4.0	90	96	6.5	30 - 130	30	
Di-n-butylphthalate	ND	230	120	117	2.5	107	123	13.9	30 - 130	30	
Di-n-octylphthalate	ND	230	108	108	0.0	102	111	8.5	30 - 130	30	
Fluoranthene	ND	230	121	113	6.8	104	118	12.6	30 - 130	30	
Fluorene	ND	230	100	96	4.1	90	99	9.5	30 - 130	30	
Hexachlorobenzene	ND	130	102	102	0.0	83	94	12.4	30 - 130	30	
Hexachlorobutadiene	ND	230	84	82	2.4	71	75	5.5	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	81	74	9.0	<10	14	NC	30 - 130	30	m
Hexachloroethane	ND	130	71	72	1.4	53	54	1.9	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	93	118	23.7	81	101	22.0	30 - 130	30	
Isophorone	ND	130	89	94	5.5	79	87	9.6	30 - 130	30	
Naphthalene	ND	230	88	88	0.0	77	82	6.3	30 - 130	30	
Nitrobenzene	ND	130	85	87	2.3	71	73	2.8	30 - 130	30	
N-Nitrosodimethylamine	ND	230	68	67	1.5	51	50	2.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	84	88	4.7	70	77	9.5	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	106	99	6.8	98	104	5.9	30 - 130	30	
Pentachlorophenol	ND	230	85	83	2.4	93	71	26.8	30 - 130	30	
Phenanthrene	ND	230	99	99	0.0	91	99	8.4	30 - 130	30	
Phenol	ND	230	85	89	4.6	76	79	3.9	30 - 130	30	
Pyrene	ND	230	121	117	3.4	107	120	11.5	30 - 130	30	
% 2,4,6-Tribromophenol	79	%	96	101	5.1	82	90	9.3	30 - 130	30	
% 2-Fluorobiphenyl	73	%	90	87	3.4	75	86	13.7	30 - 130	30	
% 2-Fluorophenol	61	%	77	80	3.8	67	66	1.5	30 - 130	30	

QA/QC Data

SDG I.D.: GBJ03579

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Nitrobenzene-d5	62	%		79	82	3.7	66	69	4.4	30 - 130	30	
% Phenol-d5	70	%		82	88	7.1	74	75	1.3	30 - 130	30	
% Terphenyl-d14	95	%		116	113	2.6	100	111	10.4	30 - 130	30	
Comment:												
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)												
QA/QC Batch 304902 (mg/Kg), QC Sample No: BJ03579 (BJ03579)												
TPH by GC - Solid												
Total Petroleum Hydrocarbon	ND	67		93	80	15.0				60 - 120	30	
% Chlorobenzene (surrogate)	59	%		71	53	29.0				60 - 120	30	l
% Pentacosane (surrogate)	81	%		88	81	8.3				50 - 150	30	
Comment:												
The MS/MSD could not be reported due to the presence of hydrocarbon material in the original sample. The LCS was within method criteria.												
QA/QC Batch 305157 (ug/L), QC Sample No: BJ04104 10X (BJ03579)												
Chlorinated Herbicides												
2,4,5-TP (Silvex)	ND	0.20		85	84	1.2				40 - 140	20	
2,4-D	ND	0.20		77	78	1.3				40 - 140	20	
% DCAA (Surrogate Rec)	61	%		74	74	0.0				30 - 150	20	
QA/QC Batch 305266 (ug/L), QC Sample No: BJ04104 (BJ03579)												
Pesticides												
4,4' -DDD	ND	0.003		73	73	0.0				40 - 140	20	
4,4' -DDE	ND	0.003		79	78	1.3				40 - 140	20	
4,4' -DDT	ND	0.003		69	68	1.5				40 - 140	20	
a-BHC	ND	0.005		79	83	4.9				40 - 140	20	
a-Chlordane	ND	0.005		86	87	1.2				40 - 140	20	
Alachlor	ND	0.005		NA	NA	NC				40 - 140	20	
Aldrin	ND	0.002		68	69	1.5				40 - 140	20	
b-BHC	ND	0.005		75	79	5.2				40 - 140	20	
Chlordane	ND	0.050		80	79	1.3				40 - 140	20	
d-BHC	ND	0.005		68	69	1.5				40 - 140	20	
Dieldrin	ND	0.002		93	94	1.1				40 - 140	20	
Endosulfan I	ND	0.005		83	85	2.4				40 - 140	20	
Endosulfan II	ND	0.005		88	89	1.1				40 - 140	20	
Endosulfan sulfate	ND	0.005		70	73	4.2				40 - 140	20	
Endrin	ND	0.005		71	71	0.0				40 - 140	20	
Endrin aldehyde	ND	0.005		77	82	6.3				40 - 140	20	
g-BHC	ND	0.002		87	100	13.9				40 - 140	20	
g-Chlordane	ND	0.005		80	79	1.3				40 - 140	20	
Heptachlor	ND	0.005		81	82	1.2				40 - 140	20	
Heptachlor epoxide	ND	0.005		85	87	2.3				40 - 140	20	
Methoxychlor	ND	0.005		86	84	2.4				40 - 140	20	
Toxaphene	ND	0.20		NA	NA	NC				40 - 140	20	
% DCBP	57	%		77	44	54.5				40 - 150	20	r
% TCMX	54	%		78	81	3.8				40 - 150	20	
QA/QC Batch 305237 (mg/Kg), QC Sample No: BJ04535 (BJ03579)												
Gasoline Range Organics (C6C10) - Solid												
Gasoline Range Organics (C6-C10)	ND	20		78			75	62	19.0	60 - 120	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

QA/QC Data

SDG I.D.: GBJ03579

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 24, 2015

Sample Criteria Exceedences Report

GBJ03579 - HESNY-TUCK

Criteria: NJ: ISCC, NRC, RC; NY: 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ03579	$PESTSM_NY	Toxaphene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	600	200	ug/Kg
BJ03579	$PESTSM_NY	Chlordane	NJ / Soil Remediation Standard / Res. Direct Contact	ND	380	200	2	ug/Kg
BJ03579	PB-SM	Lead	NJ / Soil Remediation Standard / Non Res. Direct Contact	1500	37	800	1	mg/Kg
BJ03579	PB-SM	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	1500	37	400	1	mg/Kg
BJ03579	PB-SM	Lead	NY / 375-6.8 Metals / Residential	1500	37	400	400	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

April 24, 2015

SDG I.D.: GBJ03579

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

WITH

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 degC Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@heany.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to:

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664

Client Sample - Information - Identification

Sampler's Signature: RGriffin Date: 4/15/15

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

Analysis Request: See Attached

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	5g Encore	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container (4) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03579	TB-2 (0-10)	S	4/15/15	10:00	3		2	1							

Relinquished by:	Accepted by:	Date:	Time:
		4-16-15	11:40
		4-16-15	11:40
	Rebecca Speer	4-16-15	16:11

Comments, Special Requirements or Regulations:
Running attached CleanEarth Protocol for NJ disposal approval &

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
*SURCHARGE APPLIES

NJ
☒ Res. Criteria
☒ Non-Res. Criteria
☒ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Clean Earth Sampling Protocol
Hybrid

GBT 63579

PARAMETERS		TOTAL PETROLEUM HYDROCARBONS (TPHC): GRO & DRO - Expanded to C44 (GRAB SAMPLE)	EPH (Extractable Petroleum Hydrocarbon)	TOTAL VOLATILE ORGANICS NJDEP SCC List + NJDEP SRS List)	TOTAL SEMIVOLATILE ORGANICS (TCL+10 & 20 & NJDEP SCC List + NJDEP SRS List)	Total Pesticides (TCL + NJDEP SRS List) NJDEP SRS List)	TOTAL SEMIVOLATILE ORGANICS (TCL + NJDEP SCC List &	TAL Metals & Hexavalent Chromium and Mercury	TCLP METALS RCRA + Cu, Ni, Zn	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TCLP VOLATILE ORGANICS (GRAB SAMPLE)	TCLP SEMI VOLATILE ORGANICS	TCLP HERBICIDES	TCLP PESTICIDES
METHODS		8015M (expanded to C44)	Extractable Petroleum Hydrocarbon /EPH	8260B - with EnCore sampling devices	8270D	8081A/ 8151A	6000/ 7000	1311/6010	1010A	9040C	SW846 CHAPTER 7.3	8082A	1311/ 8260B	1311/ 8270D	1311/ 8151A	1311/ 8081B
	FREQUENCY															
HISTORIC FILL/ CONSTRUCTION FILL	Grab Sample Every 250 tons	X														
	Grab - every 1000 tons			X												
	5 point composite - every 1000 tons				X	X	X	X	X	X	X	X		X	X	X

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc.

Protocol for sampling requires the screening of each of the five (5) grab samples with a PID. The highest PID grab sample for every 1,000 tons is to be submitted for the VOC portion of the testing utilizing an ENCORE sampling device. The five (5) grab samples are then to be composited for every 1,000 tons and submitted for the remaining parameters.

In addition, Clean Earth of Carteret requires 1 EPH analysis every 100 cy, which can be analyzed from incoming loads.
CEP facility requires 1 grab sample every 250 tons to be analyzed for TPH-DRO/GRO-Extended to C44, which can be analyzed once need arises.
CE requests that enough grabs for TPHs are collected and put on hold for further analysis as needed.

10/28/2013

PHOENIX
Environmental Laboratories, Inc.

Friday, April 24, 2015

Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BJ03570 - BJ03578

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	10:00
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03570

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (2-4)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	6.45		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	12300		38	7.6	mg/Kg	10	04/20/15	LK	SW6010C	
Arsenic	11.8		0.8	0.76	mg/Kg	1	04/21/15	LK	SW6010C	
Barium	576		0.8	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Beryllium	0.31		0.30	0.15	mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	23500		38	35	mg/Kg	10	04/20/15	LK	SW6010C	
Cadmium	3.29	*	0.38	0.15	mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	12.3		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	49.8		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Copper	649	N*	3.8	3.8	mg/kg	10	04/20/15	LK	SW6010C	
Iron	73300		38	38	mg/Kg	10	04/20/15	LK	SW6010C	
Mercury	0.05	N	0.03	0.02	mg/Kg	1	04/17/15	RS	SW7471B	
Potassium	2940		8	3.0	mg/Kg	1	04/21/15	LK	SW6010C	
Magnesium	4470		38	38	mg/Kg	10	04/20/15	LK	SW6010C	
Manganese	627	N	3.8	3.8	mg/Kg	10	04/20/15	LK	SW6010C	
Sodium	3100		8	3.3	mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	38.2		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Lead	745		7.6	3.8	mg/Kg	10	04/20/15	LK	SW6010C	
Antimony	< 1.9		1.9	1.9	mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.5		1.5	1.3	mg/Kg	1	04/21/15	LK	SW6010C	
Thallium	< 1.5		1.5	1.5	mg/Kg	1	04/21/15	LK	SW6010C	
Vanadium	26.4		0.4	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	2680	*	76	38	mg/Kg	100	04/21/15	LK	SW6010C	B
Percent Solid	90				%		04/16/15	I	SW846-%Solid	
Total Cyanide (SW9010C Distillation)	1.72		0.56	0.28	mg/Kg	1	04/16/15	O/EG	SW9012B	
Soil Extraction for PCB	Completed						04/16/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed						04/16/15	BJ/VH	SW3545A	
Mercury Digestion	Completed						04/17/15	I/I	SW7471B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (2-4)

Phoenix I.D.: BJ03570

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						04/16/15	AG	SW3050B	
Polychlorinated Biphenyls										
PCB-1016	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
PCB-1221	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
PCB-1232	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
PCB-1242	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
PCB-1248	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
PCB-1254	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
PCB-1260	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
PCB-1262	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
PCB-1268	ND		91	91	ug/Kg	5	04/18/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	72				%	5	04/18/15	AW	30 - 150 %	
% TCMX	75				%	5	04/18/15	AW	30 - 150 %	
1,4-dioxane										
1,4-dioxane	ND		130	53	ug/kg	1	04/17/15	JLI	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		290	57	ug/Kg	25	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		290	57	ug/Kg	25	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		290	57	ug/Kg	25	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		290	29	ug/Kg	25	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		290	29	ug/Kg	25	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		290	29	ug/Kg	25	04/17/15	JLI	SW8260C	
2-Hexanone	ND		33	6.7	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		33	6.7	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	43	JS	67	6.7	ug/Kg	1	04/17/15	JLI	SW8260C	B*
Benzene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND		6.7	2.7	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon Disulfide	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon tetrachloride	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Chlorobenzene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroethane	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroform	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloromethane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Dibromochloromethane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Dichlorodifluoromethane	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C
Ethylbenzene	140	J	290	29	ug/Kg	25	04/17/15	JLI	SW8260C
Isopropylbenzene	ND		290	29	ug/Kg	25	04/17/15	JLI	SW8260C
m&p-Xylene	290		290	57	ug/Kg	25	04/17/15	JLI	SW8260C
Methyl ethyl ketone	ND		40	6.7	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		13	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Methylacetate	ND		6.7	3.3	ug/Kg	1	04/17/15	JLI	SW8260C
Methylcyclohexane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Methylene chloride	ND		6.7	6.7	ug/Kg	1	04/17/15	JLI	SW8260C
o-Xylene	92	J	290	57	ug/Kg	25	04/17/15	JLI	SW8260C
Styrene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C
Tetrachloroethene	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Toluene	49	J	290	29	ug/Kg	25	04/17/15	JLI	SW8260C
Total Xylenes	382		290	57	ug/Kg	25	04/17/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C
Trichloroethene	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorofluoromethane	ND		6.7	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C
Vinyl chloride	ND		6.7	0.67	ug/Kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103				%	25	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	83				%	25	04/17/15	JLI	70 - 130 %
% Dibromofluoromethane	98				%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	92				%	1	04/17/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed						04/20/15	JLI	

Semivolatiles

1,1-Biphenyl	ND		6400	2800	ug/Kg	5	04/19/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		6400	3200	ug/Kg	5	04/19/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		6400	4300	ug/Kg	5	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		6400	5000	ug/Kg	5	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		3700	2900	ug/Kg	5	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND		3700	3200	ug/Kg	5	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND		6400	2300	ug/Kg	5	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND		6400	6400	ug/Kg	5	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND		3700	3600	ug/Kg	5	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND		3700	2900	ug/Kg	5	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND		6400	2600	ug/Kg	5	04/19/15	DD	SW8270D
2-Chlorophenol	ND		6400	2600	ug/Kg	5	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND		6400	2700	ug/Kg	5	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		6400	4300	ug/Kg	5	04/19/15	DD	SW8270D
2-Nitroaniline	ND		46000	9200	ug/Kg	5	04/19/15	DD	SW8270D
2-Nitrophenol	ND		6400	5800	ug/Kg	5	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		6400	3600	ug/Kg	5	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		3700	3700	ug/Kg	5	04/19/15	DD	SW8270D
3-Nitroaniline	ND		46000	20000	ug/Kg	5	04/19/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (2-4)

Phoenix I.D.: BJ03570

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	6400	6400	ug/Kg	5	04/19/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	6400	2700	ug/Kg	5	04/19/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	6400	3200	ug/Kg	5	04/19/15	DD	SW8270D	
4-Chloroaniline	ND	18000	4300	ug/Kg	5	04/19/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	6400	3100	ug/Kg	5	04/19/15	DD	SW8270D	
4-Nitroaniline	ND	46000	3100	ug/Kg	5	04/19/15	DD	SW8270D	
4-Nitrophenol	ND	6400	4100	ug/Kg	5	04/19/15	DD	SW8270D	
Acenaphthene	ND	6400	2800	ug/Kg	5	04/19/15	DD	SW8270D	
Acenaphthylene	ND	3700	2600	ug/Kg	5	04/19/15	DD	SW8270D	
Acetophenone	ND	6400	2900	ug/Kg	5	04/19/15	DD	SW8270D	
Anthracene	ND	6400	3000	ug/Kg	5	04/19/15	DD	SW8270D	
Atrazine	ND	3700	3700	ug/Kg	5	04/19/15	DD	SW8270D	
Benz(a)anthracene	ND	6400	3100	ug/Kg	5	04/19/15	DD	SW8270D	
Benzaldehyde	ND	6400	2700	ug/Kg	5	04/19/15	DD	SW8270D	
Benzo(a)pyrene	ND	3700	3000	ug/Kg	5	04/19/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	6400	3100	ug/Kg	5	04/19/15	DD	SW8270D	
Benzo(ghi)perylene	ND	6400	3000	ug/Kg	5	04/19/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	6400	3000	ug/Kg	5	04/19/15	DD	SW8270D	
Benzyl butyl phthalate	ND	6400	2400	ug/Kg	5	04/19/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	6400	2500	ug/Kg	5	04/19/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	3700	2500	ug/Kg	5	04/19/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	6400	2500	ug/Kg	5	04/19/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	32000	6400	2600	ug/Kg	5	04/19/15	DD	SW8270D	
Caprolactam	ND	6400	6400	ug/Kg	5	04/19/15	DD	SW8270D	
Carbazole	ND	46000	6900	ug/Kg	5	04/19/15	DD	SW8270D	
Chrysene	ND	6400	3100	ug/Kg	5	04/19/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	3700	3000	ug/Kg	5	04/19/15	DD	SW8270D	
Dibenzofuran	ND	6400	2700	ug/Kg	5	04/19/15	DD	SW8270D	
Diethyl phthalate	ND	6400	2900	ug/Kg	5	04/19/15	DD	SW8270D	
Dimethylphthalate	ND	6400	2800	ug/Kg	5	04/19/15	DD	SW8270D	
Di-n-butylphthalate	ND	6400	2400	ug/Kg	5	04/19/15	DD	SW8270D	
Di-n-octylphthalate	ND	6400	2400	ug/Kg	5	04/19/15	DD	SW8270D	
Fluoranthene	ND	6400	3000	ug/Kg	5	04/19/15	DD	SW8270D	
Fluorene	ND	6400	3000	ug/Kg	5	04/19/15	DD	SW8270D	
Hexachlorobenzene	ND	3700	2700	ug/Kg	5	04/19/15	DD	SW8270D	
Hexachlorobutadiene	ND	6400	3300	ug/Kg	5	04/19/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	6400	2800	ug/Kg	5	04/19/15	DD	SW8270D	
Hexachloroethane	ND	3700	2700	ug/Kg	5	04/19/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	6400	3000	ug/Kg	5	04/19/15	DD	SW8270D	
Isophorone	ND	3700	2600	ug/Kg	5	04/19/15	DD	SW8270D	
Naphthalene	ND	6400	2600	ug/Kg	5	04/19/15	DD	SW8270D	
Nitrobenzene	ND	3700	3200	ug/Kg	5	04/19/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	6400	2600	ug/Kg	5	04/19/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	3700	3000	ug/Kg	5	04/19/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	3700	3500	ug/Kg	5	04/19/15	DD	SW8270D	
Pentachlorophenol	ND	6400	3500	ug/Kg	5	04/19/15	DD	SW8270D	
Phenanthrene	ND	3700	2600	ug/Kg	5	04/19/15	DD	SW8270D	
Phenol	ND	6400	2900	ug/Kg	5	04/19/15	DD	SW8270D	
Pyrene	ND	6400	3100	ug/Kg	5	04/19/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (2-4)

Phoenix I.D.: BJ03570

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates								
% 2,4,6-Tribromophenol	33			%	5	04/19/15	DD	19 - 122 %
% 2-Fluorobiphenyl	50			%	5	04/19/15	DD	30 - 115 %
% 2-Fluorophenol	48			%	5	04/19/15	DD	25 - 121 %
% Nitrobenzene-d5	48			%	5	04/19/15	DD	23 - 120 %
% Phenol-d5	46			%	5	04/19/15	DD	24 - 113 %
% Terphenyl-d14	53			%	5	04/19/15	DD	18 - 137 %
SVOA Library Search Top 15	Completed					04/20/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 24, 2015
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	10:15
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	0:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03571

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (18-20)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	1.90		0.40	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	9700		40	8.0	mg/Kg	10	04/20/15	LK	SW6010C	
Arsenic	10.0		0.8	0.80	mg/Kg	1	04/21/15	LK	SW6010C	
Barium	210		0.8	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Beryllium	0.25	B	0.32	0.16	mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	125000		400	370	mg/Kg	100	04/21/15	LK	SW6010C	
Cadmium	1.39	*	0.40	0.16	mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	8.20		0.40	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	33.3		0.40	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Copper	605	N*	4.0	4.0	mg/kg	10	04/20/15	LK	SW6010C	
Iron	53900		40	40	mg/Kg	10	04/20/15	LK	SW6010C	
Mercury	0.24	N	0.03	0.02	mg/Kg	1	04/17/15	RS	SW7471B	
Potassium	2560		8	3.1	mg/Kg	1	04/21/15	LK	SW6010C	
Magnesium	73800		400	400	mg/Kg	100	04/21/15	LK	SW6010C	
Manganese	410	N	4.0	4.0	mg/Kg	10	04/20/15	LK	SW6010C	
Sodium	3960		8	3.4	mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	28.4		0.40	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Lead	402		8.0	4.0	mg/Kg	10	04/20/15	LK	SW6010C	
Antimony	< 2.0		2.0	2.0	mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.6		1.6	1.4	mg/Kg	1	04/21/15	LK	SW6010C	
Thallium	< 1.6		1.6	1.6	mg/Kg	1	04/21/15	LK	SW6010C	
Vanadium	31.1		0.4	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	721	*	8.0	4.0	mg/Kg	10	04/20/15	LK	SW6010C	B
Percent Solid	87				%		04/16/15	I	SW846-%Solid	
Total Cyanide (SW9010C Distillation)	6.37		0.52	0.26	mg/Kg	1	04/16/15	O/EG	SW9012B	
Soil Extraction for PCB	Completed						04/16/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed						04/16/15	BJ/VH	SW3545A	
Mercury Digestion	Completed						04/17/15	I/I	SW7471B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (18-20)

Phoenix I.D.: BJ03571

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Metals Digest	Completed						04/16/15	AG	SW3050B	
Polychlorinated Biphenyls										
PCB-1016	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1221	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1232	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1242	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1248	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1254	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1260	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1262	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1268	ND		95	95	ug/Kg	5	04/17/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	66				%	5	04/17/15	AW	30 - 150 %	
% TCMX	56				%	5	04/17/15	AW	30 - 150 %	
1,4-dioxane										
1,4-dioxane	ND		130	51	ug/kg	1	04/17/15	JLI	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Hexanone	ND		32	6.3	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		32	6.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	20	JS	63	6.3	ug/Kg	1	04/17/15	JLI	SW8260C	B*
Benzene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND		6.3	2.5	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon Disulfide	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon tetrachloride	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
Chlorobenzene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroethane	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloroform	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
Chloromethane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cyclohexane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Dibromochloromethane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Dichlorodifluoromethane	8.0		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
Ethylbenzene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
Isopropylbenzene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
m&p-Xylene	91	J	290	57	ug/Kg	50	04/20/15	JLI	SW8260C
Methyl ethyl ketone	ND		38	6.3	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		13	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Methylacetate	ND		6.3	3.2	ug/Kg	1	04/17/15	JLI	SW8260C
Methylcyclohexane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Methylene chloride	ND		6.3	6.3	ug/Kg	1	04/17/15	JLI	SW8260C
o-Xylene	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Styrene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
Tetrachloroethene	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Toluene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
Total Xylenes	ND		290	57	ug/Kg	50	04/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
Trichloroethene	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorofluoromethane	ND		6.3	1.3	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
Vinyl chloride	ND		6.3	0.63	ug/Kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103				%	1	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	85				%	1	04/17/15	JLI	70 - 130 %
% Dibromofluoromethane	105				%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	92				%	1	04/17/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed						04/20/15	JLI	
Semivolatiles									
1,1-Biphenyl	ND		260	120	ug/Kg	1	04/17/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	04/17/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		260	180	ug/Kg	1	04/17/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		260	210	ug/Kg	1	04/17/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		150	120	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dichlorophenol	ND		150	130	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dimethylphenol	ND		260	94	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dinitrotoluene	ND		150	150	ug/Kg	1	04/17/15	DD	SW8270D
2,6-Dinitrotoluene	ND		150	120	ug/Kg	1	04/17/15	DD	SW8270D
2-Chloronaphthalene	ND		260	110	ug/Kg	1	04/17/15	DD	SW8270D
2-Chlorophenol	ND		260	110	ug/Kg	1	04/17/15	DD	SW8270D
2-Methylnaphthalene	ND		260	110	ug/Kg	1	04/17/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	1	04/17/15	DD	SW8270D
2-Nitroaniline	ND		1900	380	ug/Kg	1	04/17/15	DD	SW8270D
2-Nitrophenol	ND		260	240	ug/Kg	1	04/17/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	740		260	150	ug/Kg	1	04/17/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		150	150	ug/Kg	1	04/17/15	DD	SW8270D
3-Nitroaniline	ND		1900	820	ug/Kg	1	04/17/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (18-20)

Phoenix I.D.: BJ03571

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	04/17/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	04/17/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	04/17/15	DD	SW8270D	
4-Chloroaniline	ND	750	180	ug/Kg	1	04/17/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	04/17/15	DD	SW8270D	
4-Nitroaniline	ND	1900	130	ug/Kg	1	04/17/15	DD	SW8270D	
4-Nitrophenol	ND	260	170	ug/Kg	1	04/17/15	DD	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	04/17/15	DD	SW8270D	
Acenaphthylene	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Anthracene	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Atrazine	ND	150	150	ug/Kg	1	04/17/15	DD	SW8270D	
Benz(a)anthracene	ND	260	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzaldehyde	ND	260	110	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(a)pyrene	ND	150	120	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	260	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	04/17/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	560	260	110	ug/Kg	1	04/17/15	DD	SW8270D	
Caprolactam	ND	260	260	ug/Kg	1	04/17/15	DD	SW8270D	
Carbazole	ND	1900	290	ug/Kg	1	04/17/15	DD	SW8270D	
Chrysene	ND	260	130	ug/Kg	1	04/17/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	04/17/15	DD	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	04/17/15	DD	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Dimethylphthalate	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-butylphthalate	ND	260	100	ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-octylphthalate	ND	260	97	ug/Kg	1	04/17/15	DD	SW8270D	
Fluoranthene	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobenzene	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobutadiene	ND	260	140	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachloroethane	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	260	130	ug/Kg	1	04/17/15	DD	SW8270D	
Isophorone	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D	
Naphthalene	ND	260	110	ug/Kg	1	04/17/15	DD	SW8270D	
Nitrobenzene	ND	150	130	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	04/17/15	DD	SW8270D	
Pentachlorophenol	ND	260	140	ug/Kg	1	04/17/15	DD	SW8270D	
Phenanthrene	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D	
Phenol	ND	260	120	ug/Kg	1	04/17/15	DD	SW8270D	
Pyrene	ND	260	130	ug/Kg	1	04/17/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-2 (18-20)

Phoenix I.D.: BJ03571

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates								
% 2,4,6-Tribromophenol	67			%	1	04/17/15	DD	19 - 122 %
% 2-Fluorobiphenyl	69			%	1	04/17/15	DD	30 - 115 %
% 2-Fluorophenol	65			%	1	04/17/15	DD	25 - 121 %
% Nitrobenzene-d5	67			%	1	04/17/15	DD	23 - 120 %
% Phenol-d5	67			%	1	04/17/15	DD	24 - 113 %
% Terphenyl-d14	62			%	1	04/17/15	DD	18 - 137 %
SVOA Library Search Top 15	Completed					04/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 24, 2015
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	11:15
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	0:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03572

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (10-12)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35		0.35	0.35	mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	18000		35	7.1	mg/Kg	10	04/20/15	LK	SW6010C	
Arsenic	1.9		0.7	0.71	mg/Kg	1	04/21/15	LK	SW6010C	
Barium	1750		7.1	3.5	mg/Kg	10	04/20/15	LK	SW6010C	
Beryllium	0.61		0.28	0.14	mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	24400		35	33	mg/Kg	10	04/20/15	LK	SW6010C	
Cadmium	0.16	B*	0.35	0.14	mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	15.5		0.35	0.35	mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	40.6		0.35	0.35	mg/Kg	1	04/21/15	LK	SW6010C	
Copper	132	N*	0.35	0.35	mg/kg	1	04/21/15	LK	SW6010C	
Iron	44000		35	35	mg/Kg	10	04/20/15	LK	SW6010C	
Mercury	0.09		0.03	0.02	mg/Kg	1	04/21/15	RS	SW7471B	
Potassium	7530		71	28	mg/Kg	10	04/20/15	LK	SW6010C	
Magnesium	14300		35	35	mg/Kg	10	04/20/15	LK	SW6010C	
Manganese	322	N	3.5	3.5	mg/Kg	10	04/20/15	LK	SW6010C	
Sodium	1130		7	3.0	mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	23.3		0.35	0.35	mg/Kg	1	04/21/15	LK	SW6010C	
Lead	88.8		0.7	0.35	mg/Kg	1	04/21/15	LK	SW6010C	
QC for Mercury	Completed						04/21/15			
QC for ICP	Completed						04/17/15		SW6010C	
Antimony	< 1.8		1.8	1.8	mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.4		1.4	1.2	mg/Kg	1	04/21/15	LK	SW6010C	
Thallium	< 1.4		1.4	1.4	mg/Kg	1	04/21/15	LK	SW6010C	
Vanadium	55.1		0.4	0.35	mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	5500	*	71	35	mg/Kg	100	04/21/15	LK	SW6010C	B
Percent Solid	86				%		04/16/15	I	SW846-%Solid	
QC for Total Cyanide	Completed						04/17/15			
Total Cyanide MS/MSD	Completed						04/21/15	EG	SW9010C/SW9012B	1

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (10-12)

Phoenix I.D.: BJ03572

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Total Cyanide (SW9010C Distillation)	< 0.58		0.58	0.29	mg/Kg	1	04/16/15	O/EG	SW9012B	
Soil Extraction for PCB	Completed						04/16/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed						04/16/15	BJ/VH	SW3545A	
Mercury Digestion MS/MSD	Completed						04/21/15		SW7471B	
Mercury Digestion	Completed						04/21/15	I/I	SW7471B	
MS/MSD Ext. For PCB	Completed						04/17/15			
MS/MSD Ext. for Semi-Vol.	Completed						04/17/15			
Total Metals Digest MS/MSD	Completed						04/17/15			
Total Metals Digest	Completed						04/16/15	AG	SW3050B	
Polychlorinated Biphenyls										
PCB-1016	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1221	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1232	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1242	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1248	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1254	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1260	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1262	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
PCB-1268	ND		96	96	ug/Kg	5	04/17/15	AW	SW8082A	
QA/QC Surrogates										
% DCBP	52				%	5	04/17/15	AW	30 - 150 %	
% TCMX	47				%	5	04/17/15	AW	30 - 150 %	
QC for PCB						1	04/17/15	AW		
1,4-dioxane										
1,4-dioxane	ND		100	41	ug/kg	1	04/17/15	JLI	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Hexanone	ND		26	5.1	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		26	5.1	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	52	S	51	5.1	ug/Kg	1	04/17/15	JLI	SW8260C	B*
Benzene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (10-12)

Phoenix I.D.: BJ03572

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromoform	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Bromomethane	ND		5.1	2.0	ug/Kg	1	04/17/15	JLI	SW8260C
Carbon Disulfide	1.3	J	5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Carbon tetrachloride	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Chlorobenzene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Chloroethane	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Chloroform	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Chloromethane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Cyclohexane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Dibromochloromethane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Dichlorodifluoromethane	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Ethylbenzene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Isopropylbenzene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
m&p-Xylene	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl ethyl ketone	11	J	31	5.1	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methylacetate	ND		5.1	2.6	ug/Kg	1	04/17/15	JLI	SW8260C
Methylcyclohexane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methylene chloride	ND		5.1	5.1	ug/Kg	1	04/17/15	JLI	SW8260C
o-Xylene	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Styrene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Tetrachloroethene	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Toluene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Total Xylenes	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Trichloroethene	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.1	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
Vinyl chloride	ND		5.1	0.51	ug/Kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	1	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	90				%	1	04/17/15	JLI	70 - 130 %
% Dibromofluoromethane	103				%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	97				%	1	04/17/15	JLI	70 - 130 %
QC for Volatile						1	04/17/15	JLI	
MS/MSD Volatiles						1	04/17/15	JLI	
Volatile Library Search Top 10	Completed						04/20/15	JLI	
Semivolatiles									
1,1-Biphenyl	ND		270	120	ug/Kg	1	04/17/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		270	140	ug/Kg	1	04/17/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		270	180	ug/Kg	1	04/17/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		270	210	ug/Kg	1	04/17/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		150	120	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dichlorophenol	ND		150	140	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dimethylphenol	ND		270	96	ug/Kg	1	04/17/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (10-12)

Phoenix I.D.: BJ03572

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	04/17/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	04/17/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	04/17/15	DD	SW8270D	
2-Chloronaphthalene	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	
2-Chlorophenol	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	
2-Methylnaphthalene	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	04/17/15	DD	SW8270D	
2-Nitroaniline	ND	1900	390	ug/Kg	1	04/17/15	DD	SW8270D	
2-Nitrophenol	ND	270	240	ug/Kg	1	04/17/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	04/17/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	04/17/15	DD	SW8270D	
3-Nitroaniline	ND	1900	840	ug/Kg	1	04/17/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	270	270	ug/Kg	1	04/17/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	1	04/17/15	DD	SW8270D	
4-Chloroaniline	ND	770	180	ug/Kg	1	04/17/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D	
4-Nitroaniline	ND	1900	130	ug/Kg	1	04/17/15	DD	SW8270D	
4-Nitrophenol	ND	270	170	ug/Kg	1	04/17/15	DD	SW8270D	
Acenaphthene	ND	270	120	ug/Kg	1	04/17/15	DD	SW8270D	
Acenaphthylene	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D	
Acetophenone	ND	270	120	ug/Kg	1	04/17/15	DD	SW8270D	
Anthracene	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D	
Atrazine	ND	150	150	ug/Kg	1	04/17/15	DD	SW8270D	
Benz(a)anthracene	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzaldehyde	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(a)pyrene	ND	150	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(ghi)perylene	ND	270	120	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzyl butyl phthalate	ND	270	100	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	
Caprolactam	ND	270	270	ug/Kg	1	04/17/15	DD	SW8270D	
Carbazole	ND	1900	290	ug/Kg	1	04/17/15	DD	SW8270D	
Chrysene	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	04/17/15	DD	SW8270D	
Dibenzofuran	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D	
Diethyl phthalate	ND	270	120	ug/Kg	1	04/17/15	DD	SW8270D	
Dimethylphthalate	ND	270	120	ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-butylphthalate	ND	270	100	ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-octylphthalate	ND	270	100	ug/Kg	1	04/17/15	DD	SW8270D	
Fluoranthene	ND	270	120	ug/Kg	1	04/17/15	DD	SW8270D	
Fluorene	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobenzene	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobutadiene	ND	270	140	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	04/17/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (10-12)

Phoenix I.D.: BJ03572

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachloroethane	ND	150	120	ug/Kg	1	04/17/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D
Isophorone	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D
Naphthalene	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D
Nitrobenzene	ND	150	140	ug/Kg	1	04/17/15	DD	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	04/17/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	04/17/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	150	150	ug/Kg	1	04/17/15	DD	SW8270D
Pentachlorophenol	ND	270	150	ug/Kg	1	04/17/15	DD	SW8270D
Phenanthrene	ND	150	110	ug/Kg	1	04/17/15	DD	SW8270D
Phenol	ND	270	120	ug/Kg	1	04/17/15	DD	SW8270D
Pyrene	ND	270	130	ug/Kg	1	04/17/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	68			%	1	04/17/15	DD	19 - 122 %
% 2-Fluorobiphenyl	68			%	1	04/17/15	DD	30 - 115 %
% 2-Fluorophenol	59			%	1	04/17/15	DD	25 - 121 %
% Nitrobenzene-d5	59			%	1	04/17/15	DD	23 - 120 %
% Phenol-d5	66			%	1	04/17/15	DD	24 - 113 %
% Terphenyl-d14	107			%	1	04/17/15	DD	18 - 137 %
QC for Semi-Volatile	Completed					04/17/15		
SVOA Library Search Top 15	Completed					04/17/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 24, 2015
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	11:30
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	0:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03573

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (20-22)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane										
1,4-dioxane	ND		100	40	ug/kg	1	04/17/15	JLI	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		250	50	ug/Kg	28	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		250	50	ug/Kg	28	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		250	50	ug/Kg	28	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		250	25	ug/Kg	28	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		250	25	ug/Kg	28	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		250	25	ug/Kg	28	04/17/15	JLI	SW8260C	
2-Hexanone	ND		25	5.0	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		25	5.0	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	80	S	50	5.0	ug/Kg	1	04/17/15	JLI	SW8260C	B
Benzene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND		5.0	2.0	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon Disulfide	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (20-22)

Phoenix I.D.: BJ03573

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Chlorobenzene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Chloroethane	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Chloroform	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Chloromethane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Cyclohexane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Dibromochloromethane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Dichlorodifluoromethane	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Ethylbenzene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Isopropylbenzene	ND		250	25	ug/Kg	28	04/17/15	JLI	SW8260C
m&p-Xylene	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl ethyl ketone	20	J	30	5.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methylacetate	ND		5.0	2.5	ug/Kg	1	04/17/15	JLI	SW8260C
Methylcyclohexane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methylene chloride	ND		5.0	5.0	ug/Kg	1	04/17/15	JLI	SW8260C
o-Xylene	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Styrene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Tetrachloroethene	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Toluene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Total Xylenes	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Trichloroethene	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Vinyl chloride	ND		5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96				%	28	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	93				%	28	04/17/15	JLI	70 - 130 %
% Dibromofluoromethane	101				%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	91				%	1	04/17/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed						04/20/15	JLI	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 24, 2015

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	11:30
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	0:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03574

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-101 (20-22)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane										
1,4-dioxane	ND		75	30	ug/kg	1	04/17/15	JLI	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		330	65	ug/Kg	25	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		330	65	ug/Kg	25	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		330	65	ug/Kg	25	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND		330	33	ug/Kg	25	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND		330	33	ug/Kg	25	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND		330	33	ug/Kg	25	04/17/15	JLI	SW8260C	
2-Hexanone	ND		19	3.8	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND		19	3.8	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	46	S	38	3.8	ug/Kg	1	04/17/15	JLI	SW8260C	B*
Benzene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND		3.8	1.5	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon Disulfide	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-101 (20-22)

Phoenix I.D.: BJ03574

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Chlorobenzene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Chloroethane	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Chloroform	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Chloromethane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Cyclohexane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Dibromochloromethane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Dichlorodifluoromethane	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Ethylbenzene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Isopropylbenzene	ND		330	33	ug/Kg	25	04/17/15	JLI	SW8260C
m&p-Xylene	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl ethyl ketone	12	J	23	3.8	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		7.5	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Methylacetate	ND		3.8	1.9	ug/Kg	1	04/17/15	JLI	SW8260C
Methylcyclohexane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Methylene chloride	ND		3.8	3.8	ug/Kg	1	04/17/15	JLI	SW8260C
o-Xylene	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Styrene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Tetrachloroethene	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Toluene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Total Xylenes	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Trichloroethene	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorofluoromethane	ND		3.8	0.75	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
Vinyl chloride	ND		3.8	0.38	ug/Kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	25	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	95				%	25	04/17/15	JLI	70 - 130 %
% Dibromofluoromethane	107				%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	89				%	1	04/17/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed						04/20/15	JLI	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

April 24, 2015

Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	11:30
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	0:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03575

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (14-22)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	1.13		0.43	0.43	mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	12200		43	8.6	mg/Kg	10	04/20/15	LK	SW6010C	
Arsenic	4.7		0.9	0.86	mg/Kg	1	04/21/15	LK	SW6010C	
Barium	317		0.9	0.43	mg/Kg	1	04/21/15	LK	SW6010C	
Beryllium	0.39		0.34	0.17	mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	72400		43	39	mg/Kg	10	04/20/15	LK	SW6010C	
Cadmium	0.85	*	0.43	0.17	mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	10.3		0.43	0.43	mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	33.2		0.43	0.43	mg/Kg	1	04/21/15	LK	SW6010C	
Copper	170	N*	4.3	4.3	mg/kg	10	04/20/15	LK	SW6010C	
Iron	44200		43	43	mg/Kg	10	04/20/15	LK	SW6010C	
Mercury	2.50	N	0.15	0.09	mg/Kg	1	04/17/15	RS	SW7471B	
Potassium	3840		86	33	mg/Kg	10	04/20/15	LK	SW6010C	
Magnesium	30700		43	43	mg/Kg	10	04/20/15	LK	SW6010C	
Manganese	390	N	4.3	4.3	mg/Kg	10	04/20/15	LK	SW6010C	
Sodium	1180		9	3.7	mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	21.9		0.43	0.43	mg/Kg	1	04/21/15	LK	SW6010C	
Lead	215		8.6	4.3	mg/Kg	10	04/20/15	LK	SW6010C	
Antimony	< 2.1		2.1	2.1	mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.7		1.7	1.5	mg/Kg	1	04/21/15	LK	SW6010C	
Thallium	< 1.7		1.7	1.7	mg/Kg	1	04/21/15	LK	SW6010C	
Vanadium	48.9		0.4	0.43	mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	666	*	8.6	4.3	mg/Kg	10	04/20/15	LK	SW6010C	B
Percent Solid	81				%		04/16/15	I	SW846-%Solid	
Total Cyanide (SW9010C Distillation)	0.443	B	0.56	0.28	mg/Kg	1	04/16/15	O/EG	SW9012B	
Soil Extraction for PCB	Completed						04/16/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed						04/16/15	JJ/VH	SW3545A	
Mercury Digestion	Completed						04/17/15	I/I	SW7471B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (14-22)

Phoenix I.D.: BJ03575

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						04/16/15	AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1221	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1232	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1242	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1248	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1254	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1260	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1262	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1268	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	72				%	5	04/17/15	AW	30 - 150 %
% TCMX	62				%	5	04/17/15	AW	30 - 150 %
Semivolatiles									
1,1-Biphenyl	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		280	140	ug/Kg	1	04/17/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		280	190	ug/Kg	1	04/17/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		280	220	ug/Kg	1	04/17/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		160	130	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dichlorophenol	ND		160	140	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dimethylphenol	ND		280	100	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dinitrophenol	ND		280	280	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dinitrotoluene	ND		160	160	ug/Kg	1	04/17/15	DD	SW8270D
2,6-Dinitrotoluene	ND		160	130	ug/Kg	1	04/17/15	DD	SW8270D
2-Chloronaphthalene	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D
2-Chlorophenol	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D
2-Methylnaphthalene	170	J	280	120	ug/Kg	1	04/17/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	1	04/17/15	DD	SW8270D
2-Nitroaniline	ND		2000	410	ug/Kg	1	04/17/15	DD	SW8270D
2-Nitrophenol	ND		280	260	ug/Kg	1	04/17/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	420		280	160	ug/Kg	1	04/17/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		160	160	ug/Kg	1	04/17/15	DD	SW8270D
3-Nitroaniline	ND		2000	880	ug/Kg	1	04/17/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		280	280	ug/Kg	1	04/17/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	1	04/17/15	DD	SW8270D
4-Chloroaniline	ND		810	190	ug/Kg	1	04/17/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND		280	140	ug/Kg	1	04/17/15	DD	SW8270D
4-Nitroaniline	ND		2000	140	ug/Kg	1	04/17/15	DD	SW8270D
4-Nitrophenol	ND		280	180	ug/Kg	1	04/17/15	DD	SW8270D
Acenaphthene	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D
Acenaphthylene	ND		160	110	ug/Kg	1	04/17/15	DD	SW8270D
Acetophenone	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D
Anthracene	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D
Atrazine	ND		160	160	ug/Kg	1	04/17/15	DD	SW8270D
Benz(a)anthracene	540		280	140	ug/Kg	1	04/17/15	DD	SW8270D
Benzaldehyde	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-1 (14-22)

Phoenix I.D.: BJ03575

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzo(a)pyrene	430		160	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(b)fluoranthene	570		280	140	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(ghi)perylene	140	J	280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(k)fluoranthene	250	J	280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzyl butyl phthalate	ND		280	100	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		160	110	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	240	J	280	120	ug/Kg	1	04/17/15	DD	SW8270D	
Caprolactam	ND		280	280	ug/Kg	1	04/17/15	DD	SW8270D	
Carbazole	ND		2000	310	ug/Kg	1	04/17/15	DD	SW8270D	
Chrysene	470		280	140	ug/Kg	1	04/17/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		160	130	ug/Kg	1	04/17/15	DD	SW8270D	
Dibenzofuran	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D	
Diethyl phthalate	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Dimethylphthalate	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-butylphthalate	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-octylphthalate	ND		280	100	ug/Kg	1	04/17/15	DD	SW8270D	
Fluoranthene	930		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Fluorene	310		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobenzene	ND		160	120	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobutadiene	ND		280	150	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachloroethane	ND		160	120	ug/Kg	1	04/17/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	140	J	280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Isophorone	ND		160	110	ug/Kg	1	04/17/15	DD	SW8270D	
Naphthalene	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D	
Nitrobenzene	ND		160	140	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		160	130	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		160	160	ug/Kg	1	04/17/15	DD	SW8270D	
Pentachlorophenol	ND		280	150	ug/Kg	1	04/17/15	DD	SW8270D	
Phenanthrene	380		160	120	ug/Kg	1	04/17/15	DD	SW8270D	
Phenol	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Pyrene	780		280	140	ug/Kg	1	04/17/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	86				%	1	04/17/15	DD	19 - 122 %	
% 2-Fluorobiphenyl	71				%	1	04/17/15	DD	30 - 115 %	
% 2-Fluorophenol	79				%	1	04/17/15	DD	25 - 121 %	
% Nitrobenzene-d5	70				%	1	04/17/15	DD	23 - 120 %	
% Phenol-d5	84				%	1	04/17/15	DD	24 - 113 %	
% Terphenyl-d14	66				%	1	04/17/15	DD	18 - 137 %	
SVOA Library Search Top 15	Completed						04/17/15	DD		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 24, 2015
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	11:30
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	0:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03576

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-101 (14-22)

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	1.23		0.40	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	12600		40	8.0	mg/Kg	10	04/20/15	LK	SW6010C	
Arsenic	6.6		0.8	0.80	mg/Kg	1	04/21/15	LK	SW6010C	
Barium	326		0.8	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Beryllium	0.39		0.32	0.16	mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	50000		40	37	mg/Kg	10	04/20/15	LK	SW6010C	
Cadmium	1.27	*	0.40	0.16	mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	9.76		0.40	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	27.8		0.40	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Copper	258	N*	4.0	4.0	mg/kg	10	04/20/15	LK	SW6010C	
Iron	51500		40	40	mg/Kg	10	04/20/15	LK	SW6010C	
Mercury	0.58	N	0.03	0.02	mg/Kg	1	04/17/15	RS	SW7471B	
Potassium	3800		8	3.1	mg/Kg	1	04/21/15	LK	SW6010C	
Magnesium	14900		40	40	mg/Kg	10	04/20/15	LK	SW6010C	
Manganese	721	N	4.0	4.0	mg/Kg	10	04/20/15	LK	SW6010C	
Sodium	1440		8	3.4	mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	62.0		0.40	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Lead	516		8.0	4.0	mg/Kg	10	04/20/15	LK	SW6010C	
Antimony	< 2.0		2.0	2.0	mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.6		1.6	1.4	mg/Kg	1	04/21/15	LK	SW6010C	
Thallium	< 1.6		1.6	1.6	mg/Kg	1	04/21/15	LK	SW6010C	
Vanadium	72.5		0.4	0.40	mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	754	*	8.0	4.0	mg/Kg	10	04/20/15	LK	SW6010C	B
Percent Solid	82				%		04/16/15	I	SW846-%Solid	
Total Cyanide (SW9010C Distillation)	1.14		0.51	0.25	mg/Kg	1	04/16/15	O/EG	SW9012B	
Soil Extraction for PCB	Completed						04/16/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed						04/16/15	JJ/VH	SW3545A	
Mercury Digestion	Completed						04/17/15	I/I	SW7471B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-101 (14-22)

Phoenix I.D.: BJ03576

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						04/16/15	AG	SW3050B
Polychlorinated Biphenyls									
PCB-1016	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1221	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1232	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1242	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1248	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1254	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1260	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1262	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
PCB-1268	ND		100	100	ug/Kg	5	04/17/15	AW	SW8082A
QA/QC Surrogates									
% DCBP	70				%	5	04/17/15	AW	30 - 150 %
% TCMX	54				%	5	04/17/15	AW	30 - 150 %
Semivolatiles									
1,1-Biphenyl	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		280	140	ug/Kg	1	04/17/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		280	190	ug/Kg	1	04/17/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		280	220	ug/Kg	1	04/17/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		160	130	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dichlorophenol	ND		160	140	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dimethylphenol	ND		280	100	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dinitrophenol	ND		280	280	ug/Kg	1	04/17/15	DD	SW8270D
2,4-Dinitrotoluene	ND		160	160	ug/Kg	1	04/17/15	DD	SW8270D
2,6-Dinitrotoluene	ND		160	130	ug/Kg	1	04/17/15	DD	SW8270D
2-Chloronaphthalene	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D
2-Chlorophenol	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D
2-Methylnaphthalene	220	J	280	120	ug/Kg	1	04/17/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	1	04/17/15	DD	SW8270D
2-Nitroaniline	ND		2000	410	ug/Kg	1	04/17/15	DD	SW8270D
2-Nitrophenol	ND		280	250	ug/Kg	1	04/17/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	880		280	160	ug/Kg	1	04/17/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		160	160	ug/Kg	1	04/17/15	DD	SW8270D
3-Nitroaniline	ND		2000	870	ug/Kg	1	04/17/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		280	280	ug/Kg	1	04/17/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	1	04/17/15	DD	SW8270D
4-Chloroaniline	ND		800	190	ug/Kg	1	04/17/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D
4-Nitroaniline	ND		2000	130	ug/Kg	1	04/17/15	DD	SW8270D
4-Nitrophenol	ND		280	180	ug/Kg	1	04/17/15	DD	SW8270D
Acenaphthene	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D
Acenaphthylene	ND		160	110	ug/Kg	1	04/17/15	DD	SW8270D
Acetophenone	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D
Anthracene	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D
Atrazine	ND		160	160	ug/Kg	1	04/17/15	DD	SW8270D
Benz(a)anthracene	570		280	130	ug/Kg	1	04/17/15	DD	SW8270D
Benzaldehyde	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzo(a)pyrene	470		160	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(b)fluoranthene	630		280	140	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(ghi)perylene	170	J	280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzo(k)fluoranthene	240	J	280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Benzyl butyl phthalate	ND		280	100	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		160	110	ug/Kg	1	04/17/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	7600		1400	580	ug/Kg	5	04/17/15	DD	SW8270D	
Caprolactam	ND		280	280	ug/Kg	1	04/17/15	DD	SW8270D	
Carbazole	ND		2000	300	ug/Kg	1	04/17/15	DD	SW8270D	
Chrysene	470		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		160	130	ug/Kg	1	04/17/15	DD	SW8270D	
Dibenzofuran	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D	
Diethyl phthalate	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Dimethylphthalate	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-butylphthalate	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D	
Di-n-octylphthalate	ND		280	100	ug/Kg	1	04/17/15	DD	SW8270D	
Fluoranthene	990		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Fluorene	140	J	280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobenzene	ND		160	120	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorobutadiene	ND		280	150	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D	
Hexachloroethane	ND		160	120	ug/Kg	1	04/17/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	160	J	280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Isophorone	ND		160	110	ug/Kg	1	04/17/15	DD	SW8270D	
Naphthalene	ND		280	120	ug/Kg	1	04/17/15	DD	SW8270D	
Nitrobenzene	ND		160	140	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		280	110	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		160	130	ug/Kg	1	04/17/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		160	150	ug/Kg	1	04/17/15	DD	SW8270D	
Pentachlorophenol	ND		280	150	ug/Kg	1	04/17/15	DD	SW8270D	
Phenanthrene	220		160	110	ug/Kg	1	04/17/15	DD	SW8270D	
Phenol	ND		280	130	ug/Kg	1	04/17/15	DD	SW8270D	
Pyrene	810		280	140	ug/Kg	1	04/17/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	96				%	1	04/17/15	DD	19 - 122 %	
% 2-Fluorobiphenyl	69				%	1	04/17/15	DD	30 - 115 %	
% 2-Fluorophenol	82				%	1	04/17/15	DD	25 - 121 %	
% Nitrobenzene-d5	64				%	1	04/17/15	DD	23 - 120 %	
% Phenol-d5	89				%	1	04/17/15	DD	24 - 113 %	
% Terphenyl-d14	76				%	1	04/17/15	DD	18 - 137 %	
SVOA Library Search Top 15	Completed						04/17/15	DD		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
April 24, 2015
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	0:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03577

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	100	40	ug/kg	1	04/17/15	JLI	SW8260C	
Volatiles									
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
2-Hexanone	ND	25	5.0	ug/Kg	1	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	04/17/15	JLI	SW8260C	
Acetone	ND	50	5.0	ug/Kg	1	04/17/15	JLI	SW8260C	B
Benzene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromoform	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	
Bromomethane	ND	5.0	2.0	ug/Kg	1	04/17/15	JLI	SW8260C	
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK LL

Phoenix I.D.: BJ03577

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Cyclohexane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl ethyl ketone	ND	30	5.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methylacetate	ND	5.0	2.5	ug/Kg	1	04/17/15	JLI	SW8260C
Methylcyclohexane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	04/17/15	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Total Xylenes	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	04/17/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	04/17/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	1	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	04/17/15	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	04/17/15	JLI	70 - 130 %
% Toluene-d8	95			%	1	04/17/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed					04/20/15	JLI	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.
Trip blank included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 24, 2015
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 24, 2015

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/15/15	
Location Code:	HESNY-TUCK	Received by:	SW	04/16/15	0:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03570
Phoenix ID: BJ03578

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,4-dioxane									
1,4-dioxane	ND	5000	2000	ug/kg	50	04/17/15	JLI	SW8260C	
Volatiles									
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
1,1-Dichloroethane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
1,1-Dichloroethene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
1,2-Dibromoethane	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
1,2-Dichloroethane	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
1,2-Dichloropropane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
2-Hexanone	ND	1300	250	ug/Kg	50	04/17/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	04/17/15	JLI	SW8260C	
Acetone	ND	2500	250	ug/Kg	50	04/17/15	JLI	SW8260C	B
Benzene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
Bromochloromethane	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C	
Bromodichloromethane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
Bromoform	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	
Bromomethane	ND	250	100	ug/Kg	50	04/17/15	JLI	SW8260C	
Carbon Disulfide	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK HL

Phoenix I.D.: BJ03578

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Cyclohexane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
Methyl ethyl ketone	ND	1500	250	ug/Kg	50	04/17/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	04/17/15	JLI	SW8260C
Methylacetate	ND	250	130	ug/Kg	50	04/17/15	JLI	SW8260C
Methylcyclohexane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	04/17/15	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Total Xylenes	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	04/17/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	04/17/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	50	04/17/15	JLI	70 - 130 %
% Bromofluorobenzene	95			%	50	04/17/15	JLI	70 - 130 %
% Dibromofluoromethane	105			%	50	04/17/15	JLI	70 - 130 %
% Toluene-d8	95			%	50	04/17/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed					04/20/15	JLI	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.
Trip blank included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 24, 2015
Reviewed and Released by: Sarah Bell, Project Manager

Sample Criteria Exceedences Report

GBJ03570 - HESNY-TUCK

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

April 24, 2015

SDG I.D.: GBJ03570

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

WITH

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 cool Pg 1 of

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com
tcarr@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 109 Mabledale Rd, Tuckahoe, NY
Report to: Tim Carr
Invoice to:

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664
tcarr@hesny.com

Client Sample - Information - Identification

Sampler's Signature: RCaff Date: 4/15/15

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Soil VOA Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03570	~~TB~~-2 (2-4)	S	4/15/15	10:00						3	2								
03571	TB-2 (18-20)			10:15						3	2								~~Note 1~~
03572	TB-1 (10-12)			11:15						5	2								Note 1
03573	TB-1 (~~MW20~~ 20-22)			11:30						3									
03574	TB-~~1~~01 (20-22)			11:30						3									
03575	TB-1 (14-22)			11:30							1								Note 2
03576	TB-101 (14-22) ~~MW~~			11:30							1								↓
03577	Trip Blank				X					2									
03578																			

Relinquished by:	Accepted by:	Date:	Time:
		4-16-15	11:40
		4-16-15	11:40
		4-16-15	16:11

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

Comments, Special Requirements or Regulations:
Note 1: Please perform MS/MSD analyses
Note 2: Use 8oz jar to obtain moisture content
* only received (1) LL TB Vial (TF)

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Thursday, April 23, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BJ04209 - BJ04215

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

April 23, 2015

SDG I.D.: GBJ04209

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

BJ04211 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BJ04212 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 23, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RG	04/16/15	9:45
Location Code:	HESNY-TUCK	Received by:	LB	04/17/15	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ04209
Phoenix ID: BJ04209

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 6-8 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-dioxane									
1,4-dioxane	ND		100	42	ug/kg	1	04/21/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		260	52	ug/Kg	38	04/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		260	52	ug/Kg	38	04/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		260	52	ug/Kg	38	04/20/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		260	26	ug/Kg	38	04/20/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		260	26	ug/Kg	38	04/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		260	26	ug/Kg	38	04/20/15	JLI	SW8260C
2-Hexanone	ND		26	5.3	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		26	5.3	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	66	S	53	5.3	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	200	J	260	26	ug/Kg	38	04/20/15	JLI	SW8260C
Bromochloromethane	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND		5.3	2.1	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	1.5	J	5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 6-8 FT

Phoenix I.D.: BJ04209

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Cyclohexane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	81	J	260	26	ug/Kg	38	04/20/15	JLI	SW8260C
Ethylbenzene	130	J	260	26	ug/Kg	38	04/20/15	JLI	SW8260C
Isopropylbenzene	27	J	260	26	ug/Kg	38	04/20/15	JLI	SW8260C
m&p-Xylene	150	J	260	52	ug/Kg	38	04/20/15	JLI	SW8260C
Methyl ethyl ketone	11	J	32	5.3	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Methylacetate	ND		5.3	2.6	ug/Kg	1	04/21/15	JLI	SW8260C
Methylcyclohexane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Methylene chloride	ND		5.3	5.3	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	59	J	260	52	ug/Kg	38	04/20/15	JLI	SW8260C
Styrene	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	690		260	26	ug/Kg	38	04/20/15	JLI	SW8260C
Total Xylenes	ND		260	52	ug/Kg	38	04/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.3	1.1	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND		5.3	0.53	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	38	04/20/15	JLI	70 - 130 %
% Bromofluorobenzene	92				%	38	04/20/15	JLI	70 - 130 %
% Dibromofluoromethane	102				%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	91				%	1	04/21/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed						04/21/15	JLI	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 23, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 23, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RG	04/16/15	9:45
Location Code:	HESNY-TUCK	Received by:	LB	04/17/15	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ04209
Phoenix ID: BJ04210

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-106 6-8 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-dioxane									
1,4-dioxane	ND		100	44	ug/kg	1	04/20/15	JLI	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromoethane	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichlorobenzene	150	J	250	25	ug/Kg	31	04/20/15	JLI	SW8260C
1,2-Dichloroethane	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloropropane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
2-Hexanone	ND		28	5.6	ug/Kg	1	04/20/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		28	5.6	ug/Kg	1	04/20/15	JLI	SW8260C
Acetone	67	S	56	5.6	ug/Kg	1	04/20/15	JLI	SW8260C
Benzene	290		250	25	ug/Kg	31	04/20/15	JLI	SW8260C
Bromochloromethane	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Bromodichloromethane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Bromoform	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Bromomethane	ND		5.6	2.2	ug/Kg	1	04/20/15	JLI	SW8260C
Carbon Disulfide	1.2	J	5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-106 6-8 FT

Phoenix I.D.: BJ04210

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Chlorobenzene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroethane	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroform	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Chloromethane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Cyclohexane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Dibromochloromethane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Dichlorodifluoromethane	120	J	250	25	ug/Kg	31	04/20/15	JLI	SW8260C
Ethylbenzene	190	J	250	25	ug/Kg	31	04/20/15	JLI	SW8260C
Isopropylbenzene	37	J	250	25	ug/Kg	31	04/20/15	JLI	SW8260C
m&p-Xylene	220	J	250	51	ug/Kg	31	04/20/15	JLI	SW8260C
Methyl ethyl ketone	14	J	33	5.6	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Methylacetate	ND		5.6	2.8	ug/Kg	1	04/20/15	JLI	SW8260C
Methylcyclohexane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Methylene chloride	ND		5.6	5.6	ug/Kg	1	04/20/15	JLI	SW8260C
o-Xylene	89	J	250	51	ug/Kg	31	04/20/15	JLI	SW8260C
Styrene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Tetrachloroethene	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Toluene	1000		250	25	ug/Kg	31	04/20/15	JLI	SW8260C
Total Xylenes	309		250	51	ug/Kg	31	04/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Trichloroethene	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorofluoromethane	ND		5.6	1.1	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
Vinyl chloride	ND		5.6	0.56	ug/Kg	1	04/20/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103				%	1	04/20/15	JLI	70 - 130 %
% Bromofluorobenzene	78				%	1	04/20/15	JLI	70 - 130 %
% Dibromofluoromethane	106				%	1	04/20/15	JLI	70 - 130 %
% Toluene-d8	93				%	1	04/20/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed						04/21/15	JLI	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 23, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 23, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RG	04/16/15	9:45
Location Code:	HESNY-TUCK	Received by:	LB	04/17/15	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ04209
Phoenix ID: BJ04211

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 4-8 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	3.02		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	14500		38	7.7	mg/Kg	10	04/21/15	LK	SW6010C	
Arsenic	16.4		0.8	0.77	mg/Kg	1	04/21/15	LK	SW6010C	
Barium	194	N	0.8	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Beryllium	0.37		0.31	0.15	mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	17000		38	35	mg/Kg	10	04/21/15	LK	SW6010C	
Cadmium	0.75		0.38	0.15	mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	12.5		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	35.0		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Copper	123		0.38	0.38	mg/kg	1	04/21/15	LK	SW6010C	
Iron	52200	*	38	38	mg/Kg	10	04/21/15	LK	SW6010C	
Mercury	0.20	N	0.03	0.02	mg/Kg	1	04/20/15	RS	SW7471B	
Potassium	3260	N	8	3.0	mg/Kg	1	04/21/15	LK	SW6010C	
Magnesium	8760		38	38	mg/Kg	10	04/21/15	LK	SW6010C	
Manganese	509	N	3.8	3.8	mg/Kg	10	04/21/15	LK	SW6010C	
Sodium	1430	N	8	3.3	mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	28.1		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Lead	309	N*	7.7	3.8	mg/Kg	10	04/21/15	LK	SW6010C	
Antimony	< 1.9		1.9	1.9	mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.5		1.5	1.3	mg/Kg	1	04/21/15	LK	SW6010C	
Thallium	< 1.5		1.5	1.5	mg/Kg	1	04/21/15	LK	SW6010C	
Vanadium	43.7		0.4	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	298		7.7	3.8	mg/Kg	10	04/21/15	LK	SW6010C	B
Percent Solid	87				%		04/17/15	I	SW846-%Solid	
Total Cyanide (SW9010C Distillation)	< 0.57	N	0.57	0.29	mg/Kg	1	04/17/15	O/B/E	SW9012B	
Soil Extraction for PCB	Completed						04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed						04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed						04/17/15	BJ/VH	SW3545A	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Mercury Digestion	Completed					04/20/15	I/I	SW7471B	
Total Metals Digest	Completed					04/17/15	CB/AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1221	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1232	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1242	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1248	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1254	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1260	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1262	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1268	ND	37	37	ug/Kg	2	04/18/15	AW	SW8082A	
QA/QC Surrogates									
% DCBP	76			%	2	04/18/15	AW	30 - 150 %	
% TCMX	74			%	2	04/18/15	AW	30 - 150 %	
Pesticides - Soil									
4,4' -DDD	49	2.2	2.2	ug/Kg	2	04/18/15	CE	SW8081B	
4,4' -DDE	22	2.2	2.2	ug/Kg	2	04/18/15	CE	SW8081B	
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	04/18/15	CE	SW8081B	
a-BHC	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
a-Chlordane	21	3.7	3.7	ug/Kg	2	04/18/15	CE	SW8081B	
Aldrin	ND	3.7	3.7	ug/Kg	2	04/18/15	CE	SW8081B	
b-BHC	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Chlordane	150	37	37	ug/Kg	2	04/18/15	CE	SW8081B	
d-BHC	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Dieldrin	ND	15	15	ug/Kg	2	04/18/15	CE	SW8081B	
Endosulfan I	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Endosulfan II	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Endrin	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Endrin ketone	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
g-BHC	ND	1.5	1.5	ug/Kg	2	04/18/15	CE	SW8081B	
g-Chlordane	27	3.7	3.7	ug/Kg	2	04/18/15	CE	SW8081B	
Heptachlor	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	04/18/15	CE	SW8081B	
Methoxychlor	ND	37	37	ug/Kg	2	04/18/15	CE	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/18/15	CE	SW8081B	
QA/QC Surrogates									
% DCBP	90			%	2	04/18/15	CE	30 - 150 %	
% TCMX	76			%	2	04/18/15	CE	30 - 150 %	
Volatile Library Search Top 15	Completed					04/21/15	JLI		1
Semivolatiles									
1,1-Biphenyl	ND	530	230	ug/Kg	2	04/21/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	530	270	ug/Kg	2	04/21/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND	530	360	ug/Kg	2	04/21/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 4-8 FT

Phoenix I.D.: BJ04211

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,5-Trichlorophenol	ND		530	420	ug/Kg	2	04/21/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND		310	240	ug/Kg	2	04/21/15	DD	SW8270D	
2,4-Dichlorophenol	ND		310	270	ug/Kg	2	04/21/15	DD	SW8270D	
2,4-Dimethylphenol	ND		530	190	ug/Kg	2	04/21/15	DD	SW8270D	
2,4-Dinitrophenol	ND		530	530	ug/Kg	2	04/21/15	DD	SW8270D	
2,4-Dinitrotoluene	ND		310	300	ug/Kg	2	04/21/15	DD	SW8270D	
2,6-Dinitrotoluene	ND		310	240	ug/Kg	2	04/21/15	DD	SW8270D	
2-Chloronaphthalene	ND		530	220	ug/Kg	2	04/21/15	DD	SW8270D	
2-Chlorophenol	ND		530	220	ug/Kg	2	04/21/15	DD	SW8270D	
2-Methylnaphthalene	310	J	530	230	ug/Kg	2	04/21/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		530	360	ug/Kg	2	04/21/15	DD	SW8270D	
2-Nitroaniline	ND		3800	770	ug/Kg	2	04/21/15	DD	SW8270D	
2-Nitrophenol	ND		530	480	ug/Kg	2	04/21/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	680		530	300	ug/Kg	2	04/21/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND		310	310	ug/Kg	2	04/21/15	DD	SW8270D	
3-Nitroaniline	ND		3800	1700	ug/Kg	2	04/21/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		530	530	ug/Kg	2	04/21/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		530	220	ug/Kg	2	04/21/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND		530	270	ug/Kg	2	04/21/15	DD	SW8270D	
4-Chloroaniline	ND		1500	360	ug/Kg	2	04/21/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		530	260	ug/Kg	2	04/21/15	DD	SW8270D	
4-Nitroaniline	ND		3800	260	ug/Kg	2	04/21/15	DD	SW8270D	
4-Nitrophenol	ND		530	350	ug/Kg	2	04/21/15	DD	SW8270D	
Acenaphthene	790		530	230	ug/Kg	2	04/21/15	DD	SW8270D	
Acenaphthylene	ND		310	210	ug/Kg	2	04/21/15	DD	SW8270D	
Acetophenone	ND		530	240	ug/Kg	2	04/21/15	DD	SW8270D	
Anthracene	1600		530	250	ug/Kg	2	04/21/15	DD	SW8270D	
Atrazine	ND		310	310	ug/Kg	2	04/21/15	DD	SW8270D	
Benz(a)anthracene	2700		530	260	ug/Kg	2	04/21/15	DD	SW8270D	
Benzaldehyde	ND		530	230	ug/Kg	2	04/21/15	DD	SW8270D	
Benzo(a)pyrene	2400		310	250	ug/Kg	2	04/21/15	DD	SW8270D	
Benzo(b)fluoranthene	2700		530	260	ug/Kg	2	04/21/15	DD	SW8270D	
Benzo(ghi)perylene	1500		530	250	ug/Kg	2	04/21/15	DD	SW8270D	
Benzo(k)fluoranthene	990		530	250	ug/Kg	2	04/21/15	DD	SW8270D	
Benzyl butyl phthalate	ND		530	200	ug/Kg	2	04/21/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		530	210	ug/Kg	2	04/21/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		310	210	ug/Kg	2	04/21/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		530	210	ug/Kg	2	04/21/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	280	J	530	220	ug/Kg	2	04/21/15	DD	SW8270D	
Caprolactam	ND		530	530	ug/Kg	2	04/21/15	DD	SW8270D	
Carbazole	ND		3800	580	ug/Kg	2	04/21/15	DD	SW8270D	
Chrysene	2600		530	260	ug/Kg	2	04/21/15	DD	SW8270D	
Dibenz(a,h)anthracene	390		310	250	ug/Kg	2	04/21/15	DD	SW8270D	
Dibenzofuran	540		530	220	ug/Kg	2	04/21/15	DD	SW8270D	
Diethyl phthalate	ND		530	240	ug/Kg	2	04/21/15	DD	SW8270D	
Dimethylphthalate	ND		530	240	ug/Kg	2	04/21/15	DD	SW8270D	
Di-n-butylphthalate	ND		530	200	ug/Kg	2	04/21/15	DD	SW8270D	
Di-n-octylphthalate	ND		530	200	ug/Kg	2	04/21/15	DD	SW8270D	
Fluoranthene	3700		530	250	ug/Kg	2	04/21/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 4-8 FT

Phoenix I.D.: BJ04211

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Fluorene	1200		530	250	ug/Kg	2	04/21/15	DD	SW8270D	
Hexachlorobenzene	ND		310	220	ug/Kg	2	04/21/15	DD	SW8270D	
Hexachlorobutadiene	ND		530	280	ug/Kg	2	04/21/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND		530	230	ug/Kg	2	04/21/15	DD	SW8270D	
Hexachloroethane	ND		310	230	ug/Kg	2	04/21/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	1400		530	250	ug/Kg	2	04/21/15	DD	SW8270D	
Isophorone	ND		310	210	ug/Kg	2	04/21/15	DD	SW8270D	
Naphthalene	510	J	530	220	ug/Kg	2	04/21/15	DD	SW8270D	
Nitrobenzene	ND		310	270	ug/Kg	2	04/21/15	DD	SW8270D	
N-Nitrosodimethylamine	ND		530	220	ug/Kg	2	04/21/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND		310	250	ug/Kg	2	04/21/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND		310	290	ug/Kg	2	04/21/15	DD	SW8270D	
Pentachlorophenol	ND		530	290	ug/Kg	2	04/21/15	DD	SW8270D	
Phenanthrene	6700		310	220	ug/Kg	2	04/21/15	DD	SW8270D	
Phenol	ND		530	240	ug/Kg	2	04/21/15	DD	SW8270D	
Pyrene	2900		530	260	ug/Kg	2	04/21/15	DD	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	123				%	2	04/21/15	DD	19 - 122 %	3
% 2-Fluorobiphenyl	75				%	2	04/21/15	DD	30 - 115 %	
% 2-Fluorophenol	79				%	2	04/21/15	DD	25 - 121 %	
% Nitrobenzene-d5	87				%	2	04/21/15	DD	23 - 120 %	
% Phenol-d5	81				%	2	04/21/15	DD	24 - 113 %	
% Terphenyl-d14	43				%	2	04/21/15	DD	18 - 137 %	
SVOA Library Search Top 15	Completed						04/22/15	DD		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

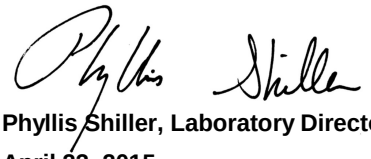
Pesticide Comment:
Due to the presence of Chlordane in the sample, an elevated RL was reported.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 23, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 23, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RG	04/16/15	9:45
Location Code:	HESNY-TUCK	Received by:	LB	04/17/15	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ04209
Phoenix ID: BJ04212

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-106 4-8 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	0.84		0.37	0.37	mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	13600		37	7.3	mg/Kg	10	04/21/15	LK	SW6010C	
Arsenic	6.8		0.7	0.73	mg/Kg	1	04/21/15	LK	SW6010C	
Barium	153	N	0.7	0.37	mg/Kg	1	04/21/15	LK	SW6010C	
Beryllium	0.38		0.29	0.15	mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	11200		37	34	mg/Kg	10	04/21/15	LK	SW6010C	
Cadmium	0.70		0.37	0.15	mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	10.9		0.37	0.37	mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	41.2		0.37	0.37	mg/Kg	1	04/21/15	LK	SW6010C	
Copper	118		0.37	0.37	mg/kg	1	04/21/15	LK	SW6010C	
Iron	63700	*	37	37	mg/Kg	10	04/21/15	LK	SW6010C	
Mercury	0.23	N	0.03	0.02	mg/Kg	1	04/20/15	RS	SW7471B	
Potassium	2940	N	7	2.9	mg/Kg	1	04/21/15	LK	SW6010C	
Magnesium	5930		37	37	mg/Kg	10	04/21/15	LK	SW6010C	
Manganese	483	N	3.7	3.7	mg/Kg	10	04/21/15	LK	SW6010C	
Sodium	1770	N	7	3.1	mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	27.1		0.37	0.37	mg/Kg	1	04/21/15	LK	SW6010C	
Lead	353	N*	7.3	3.7	mg/Kg	10	04/21/15	LK	SW6010C	
Antimony	< 1.8		1.8	1.8	mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.5		1.5	1.2	mg/Kg	1	04/21/15	LK	SW6010C	
Thallium	< 1.5		1.5	1.5	mg/Kg	1	04/21/15	LK	SW6010C	
Vanadium	46.6		0.4	0.37	mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	314		7.3	3.7	mg/Kg	10	04/21/15	LK	SW6010C	B
Percent Solid	90				%		04/17/15	I	SW846-%Solid	
Total Cyanide (SW9010C Distillation)	< 0.51	N	0.51	0.25	mg/Kg	1	04/17/15	O/B/E	SW9012B	
Soil Extraction for PCB	Completed						04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed						04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed						04/17/15	BJ/VH	SW3545A	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-106 4-8 FT

Phoenix I.D.: BJ04212

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Mercury Digestion	Completed					04/20/15	I/I	SW7471B	
Total Metals Digest	Completed					04/17/15	CB/AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1221	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1232	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1242	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1248	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1254	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1260	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1262	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1268	ND	36	36	ug/Kg	2	04/18/15	AW	SW8082A	
QA/QC Surrogates									
% DCBP	74			%	2	04/18/15	AW	30 - 150 %	
% TCMX	74			%	2	04/18/15	AW	30 - 150 %	
Pesticides - Soil									
4,4' -DDD	61	2.2	2.2	ug/Kg	2	04/21/15	CE	SW8081B	
4,4' -DDE	10	2.2	2.2	ug/Kg	2	04/21/15	CE	SW8081B	
4,4' -DDT	ND	5.5	5.5	ug/Kg	2	04/21/15	CE	SW8081B	
a-BHC	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
a-Chlordane	22	3.6	3.6	ug/Kg	2	04/21/15	CE	SW8081B	
Aldrin	ND	3.6	3.6	ug/Kg	2	04/21/15	CE	SW8081B	
b-BHC	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Chlordane	170	36	36	ug/Kg	2	04/21/15	CE	SW8081B	
d-BHC	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Dieldrin	11	3.6	3.6	ug/Kg	2	04/21/15	CE	SW8081B	
Endosulfan I	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Endosulfan II	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Endrin	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Endrin ketone	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
g-BHC	ND	1.4	1.4	ug/Kg	2	04/21/15	CE	SW8081B	
g-Chlordane	29	3.6	3.6	ug/Kg	2	04/21/15	CE	SW8081B	
Heptachlor	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	04/21/15	CE	SW8081B	
Methoxychlor	ND	36	36	ug/Kg	2	04/21/15	CE	SW8081B	
Toxaphene	ND	140	140	ug/Kg	2	04/21/15	CE	SW8081B	
QA/QC Surrogates									
% DCBP	Interference			%	2	04/21/15	CE	30 - 150 %	
% TCMX	73			%	2	04/21/15	CE	30 - 150 %	
Volatile Library Search Top 15	Completed					04/21/15	JLI		1
Semivolatiles									
1,1-Biphenyl	ND	510	220	ug/Kg	2	04/21/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	510	260	ug/Kg	2	04/21/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND	510	340	ug/Kg	2	04/21/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-106 4-8 FT

Phoenix I.D.: BJ04212

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,5-Trichlorophenol	ND		510	400	ug/Kg	2	04/21/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND		290	230	ug/Kg	2	04/21/15	DD	SW8270D	
2,4-Dichlorophenol	ND		290	260	ug/Kg	2	04/21/15	DD	SW8270D	
2,4-Dimethylphenol	ND		510	180	ug/Kg	2	04/21/15	DD	SW8270D	
2,4-Dinitrophenol	ND		510	510	ug/Kg	2	04/21/15	DD	SW8270D	
2,4-Dinitrotoluene	ND		290	290	ug/Kg	2	04/21/15	DD	SW8270D	
2,6-Dinitrotoluene	ND		290	230	ug/Kg	2	04/21/15	DD	SW8270D	
2-Chloronaphthalene	ND		510	210	ug/Kg	2	04/21/15	DD	SW8270D	
2-Chlorophenol	ND		510	210	ug/Kg	2	04/21/15	DD	SW8270D	
2-Methylnaphthalene	ND		510	220	ug/Kg	2	04/21/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		330	340	ug/Kg	2	04/21/15	DD	SW8270D	
2-Nitroaniline	ND		3700	740	ug/Kg	2	04/21/15	DD	SW8270D	
2-Nitrophenol	ND		510	460	ug/Kg	2	04/21/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	570		510	290	ug/Kg	2	04/21/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND		290	290	ug/Kg	2	04/21/15	DD	SW8270D	
3-Nitroaniline	ND		3700	1600	ug/Kg	2	04/21/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		510	510	ug/Kg	2	04/21/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		510	210	ug/Kg	2	04/21/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND		510	260	ug/Kg	2	04/21/15	DD	SW8270D	
4-Chloroaniline	ND		1500	340	ug/Kg	2	04/21/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		510	250	ug/Kg	2	04/21/15	DD	SW8270D	
4-Nitroaniline	ND		3700	240	ug/Kg	2	04/21/15	DD	SW8270D	
4-Nitrophenol	ND		510	330	ug/Kg	2	04/21/15	DD	SW8270D	
Acenaphthene	350	J	510	220	ug/Kg	2	04/21/15	DD	SW8270D	
Acenaphthylene	ND		290	200	ug/Kg	2	04/21/15	DD	SW8270D	
Acetophenone	ND		510	230	ug/Kg	2	04/21/15	DD	SW8270D	
Anthracene	780		510	240	ug/Kg	2	04/21/15	DD	SW8270D	
Atrazine	ND		290	290	ug/Kg	2	04/21/15	DD	SW8270D	
Benz(a)anthracene	1400		510	250	ug/Kg	2	04/21/15	DD	SW8270D	
Benzaldehyde	ND		510	220	ug/Kg	2	04/21/15	DD	SW8270D	
Benzo(a)pyrene	1200		290	240	ug/Kg	2	04/21/15	DD	SW8270D	
Benzo(b)fluoranthene	1400		510	250	ug/Kg	2	04/21/15	DD	SW8270D	
Benzo(ghi)perylene	740		510	240	ug/Kg	2	04/21/15	DD	SW8270D	
Benzo(k)fluoranthene	550		510	240	ug/Kg	2	04/21/15	DD	SW8270D	
Benzyl butyl phthalate	ND		510	190	ug/Kg	2	04/21/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		510	200	ug/Kg	2	04/21/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		290	200	ug/Kg	2	04/21/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		510	200	ug/Kg	2	04/21/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		510	210	ug/Kg	2	04/21/15	DD	SW8270D	
Caprolactam	ND		510	510	ug/Kg	2	04/21/15	DD	SW8270D	
Carbazole	ND		3700	550	ug/Kg	2	04/21/15	DD	SW8270D	
Chrysene	1300		510	250	ug/Kg	2	04/21/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		290	240	ug/Kg	2	04/21/15	DD	SW8270D	
Dibenzofuran	250	J	510	210	ug/Kg	2	04/21/15	DD	SW8270D	
Diethyl phthalate	ND		510	230	ug/Kg	2	04/21/15	DD	SW8270D	
Dimethylphthalate	ND		510	230	ug/Kg	2	04/21/15	DD	SW8270D	
Di-n-butylphthalate	ND		510	190	ug/Kg	2	04/21/15	DD	SW8270D	
Di-n-octylphthalate	ND		510	190	ug/Kg	2	04/21/15	DD	SW8270D	
Fluoranthene	1800		510	240	ug/Kg	2	04/21/15	DD	SW8270D	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Fluorene	530		510	240	ug/Kg	2	04/21/15	DD	SW8270D
Hexachlorobenzene	ND		290	210	ug/Kg	2	04/21/15	DD	SW8270D
Hexachlorobutadiene	ND		510	260	ug/Kg	2	04/21/15	DD	SW8270D
Hexachlorocyclopentadiene	ND		510	220	ug/Kg	2	04/21/15	DD	SW8270D
Hexachloroethane	ND		290	220	ug/Kg	2	04/21/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	660		510	240	ug/Kg	2	04/21/15	DD	SW8270D
Isophorone	ND		290	200	ug/Kg	2	04/21/15	DD	SW8270D
Naphthalene	330	J	510	210	ug/Kg	2	04/21/15	DD	SW8270D
Nitrobenzene	ND		290	260	ug/Kg	2	04/21/15	DD	SW8270D
N-Nitrosodimethylamine	ND		510	210	ug/Kg	2	04/21/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND		290	240	ug/Kg	2	04/21/15	DD	SW8270D
N-Nitrosodiphenylamine	ND		290	280	ug/Kg	2	04/21/15	DD	SW8270D
Pentachlorophenol	ND		510	280	ug/Kg	2	04/21/15	DD	SW8270D
Phenanthrene	3000		290	210	ug/Kg	2	04/21/15	DD	SW8270D
Phenol	ND		330	230	ug/Kg	2	04/21/15	DD	SW8270D
Pyrene	1400		510	250	ug/Kg	2	04/21/15	DD	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	50				%	2	04/21/15	DD	19 - 122 %
% 2-Fluorobiphenyl	36				%	2	04/21/15	DD	30 - 115 %
% 2-Fluorophenol	33				%	2	04/21/15	DD	25 - 121 %
% Nitrobenzene-d5	45				%	2	04/21/15	DD	23 - 120 %
% Phenol-d5	33				%	2	04/21/15	DD	24 - 113 %
% Terphenyl-d14	18				%	2	04/21/15	DD	18 - 137 %
SVOA Library Search Top 15	Completed						04/22/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 23, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 23, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RG	04/16/15	10:00
Location Code:	HESNY-TUCK	Received by:	LB	04/17/15	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ04209
Phoenix ID: BJ04213

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 26-28 FT

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	0.99		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Aluminum	10600		38	7.6	mg/Kg	10	04/21/15	LK	SW6010C	
Arsenic	3.1		0.8	0.76	mg/Kg	1	04/21/15	LK	SW6010C	
Barium	138	N	0.8	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Beryllium	0.27	B	0.31	0.15	mg/Kg	1	04/21/15	LK	SW6010C	
Calcium	29600		38	35	mg/Kg	10	04/21/15	LK	SW6010C	
Cadmium	2.20		0.38	0.15	mg/Kg	1	04/21/15	LK	SW6010C	
Cobalt	8.74		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Chromium	25.8		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Copper	72.1		0.38	0.38	mg/kg	1	04/21/15	LK	SW6010C	
Iron	33300	*	38	38	mg/Kg	10	04/21/15	LK	SW6010C	
Mercury	0.11	N	0.03	0.02	mg/Kg	1	04/20/15	RS	SW7471B	
Potassium	2740	N	8	3.0	mg/Kg	1	04/21/15	LK	SW6010C	
Magnesium	8000		38	38	mg/Kg	10	04/21/15	LK	SW6010C	
Manganese	381	N	3.8	3.8	mg/Kg	10	04/21/15	LK	SW6010C	
Sodium	1010	N	8	3.3	mg/Kg	1	04/21/15	LK	SW6010C	
Nickel	14.9		0.38	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Lead	271	N*	7.6	3.8	mg/Kg	10	04/21/15	LK	SW6010C	
Antimony	< 1.9		1.9	1.9	mg/Kg	1	04/21/15	LK	SW6010C	
Selenium	< 1.5		1.5	1.3	mg/Kg	1	04/21/15	LK	SW6010C	
Thallium	< 1.5		1.5	1.5	mg/Kg	1	04/21/15	LK	SW6010C	
Vanadium	34.5		0.4	0.38	mg/Kg	1	04/21/15	LK	SW6010C	
Zinc	299		7.6	3.8	mg/Kg	10	04/21/15	LK	SW6010C	B
Percent Solid	85				%		04/17/15	I	SW846-%Solid	
Total Cyanide (SW9010C Distillation)	< 0.53	N	0.53	0.27	mg/Kg	1	04/17/15	O/B/E	SW9012B	
Soil Extraction for PCB	Completed						04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed						04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed						04/17/15	BJ/VH	SW3545A	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 26-28 FT

Phoenix I.D.: BJ04213

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Mercury Digestion	Completed					04/20/15	I/I	SW7471B	
Total Metals Digest	Completed					04/17/15	CB/AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1221	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1232	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1242	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1248	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1254	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1260	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1262	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
PCB-1268	ND	38	38	ug/Kg	2	04/18/15	AW	SW8082A	
QA/QC Surrogates									
% DCBP	58			%	2	04/18/15	AW	30 - 150 %	
% TCMX	72			%	2	04/18/15	AW	30 - 150 %	
Pesticides - Soil									
4,4' -DDD	7.5	2.3	2.3	ug/Kg	2	04/18/15	CE	SW8081B	
4,4' -DDE	12	2.3	2.3	ug/Kg	2	04/18/15	CE	SW8081B	
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	04/18/15	CE	SW8081B	
a-BHC	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
a-Chlordane	ND	3.8	3.8	ug/Kg	2	04/18/15	CE	SW8081B	
Aldrin	ND	3.8	3.8	ug/Kg	2	04/18/15	CE	SW8081B	
b-BHC	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Chlordane	ND	38	38	ug/Kg	2	04/18/15	CE	SW8081B	
d-BHC	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Dieldrin	ND	3.8	3.8	ug/Kg	2	04/18/15	CE	SW8081B	
Endosulfan I	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Endosulfan II	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Endrin	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Endrin aldehyde	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Endrin ketone	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
g-BHC	ND	1.5	1.5	ug/Kg	2	04/18/15	CE	SW8081B	
g-Chlordane	ND	3.8	3.8	ug/Kg	2	04/18/15	CE	SW8081B	
Heptachlor	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	2	04/18/15	CE	SW8081B	
Methoxychlor	ND	38	38	ug/Kg	2	04/18/15	CE	SW8081B	
Toxaphene	ND	150	150	ug/Kg	2	04/18/15	CE	SW8081B	
QA/QC Surrogates									
% DCBP	82			%	2	04/18/15	CE	30 - 150 %	
% TCMX	75			%	2	04/18/15	CE	30 - 150 %	
Volatile Library Search Top 15	Completed					04/21/15	JLI		1
Semivolatiles									
1,1-Biphenyl	ND	540	240	ug/Kg	2	04/20/15	DD	SW8270D	
1,2,4,5-Tetrachlorobenzene	ND	540	270	ug/Kg	2	04/20/15	DD	SW8270D	
2,3,4,6-tetrachlorophenol	ND	540	360	ug/Kg	2	04/20/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 26-28 FT

Phoenix I.D.: BJ04213

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2,4,5-Trichlorophenol	ND		540	430	ug/Kg	2	04/20/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND		310	250	ug/Kg	2	04/20/15	DD	SW8270D	
2,4-Dichlorophenol	ND		310	270	ug/Kg	2	04/20/15	DD	SW8270D	
2,4-Dimethylphenol	ND		540	190	ug/Kg	2	04/20/15	DD	SW8270D	
2,4-Dinitrophenol	ND		540	540	ug/Kg	2	04/20/15	DD	SW8270D	
2,4-Dinitrotoluene	ND		310	310	ug/Kg	2	04/20/15	DD	SW8270D	
2,6-Dinitrotoluene	ND		310	250	ug/Kg	2	04/20/15	DD	SW8270D	
2-Chloronaphthalene	ND		540	220	ug/Kg	2	04/20/15	DD	SW8270D	
2-Chlorophenol	ND		540	220	ug/Kg	2	04/20/15	DD	SW8270D	
2-Methylnaphthalene	450	J	540	230	ug/Kg	2	04/20/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		330	360	ug/Kg	2	04/20/15	DD	SW8270D	
2-Nitroaniline	ND		3900	780	ug/Kg	2	04/20/15	DD	SW8270D	
2-Nitrophenol	ND		540	490	ug/Kg	2	04/20/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	490	J	540	310	ug/Kg	2	04/20/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND		310	310	ug/Kg	2	04/20/15	DD	SW8270D	
3-Nitroaniline	ND		3900	1700	ug/Kg	2	04/20/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		540	540	ug/Kg	2	04/20/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		540	230	ug/Kg	2	04/20/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND		540	270	ug/Kg	2	04/20/15	DD	SW8270D	
4-Chloroaniline	ND		1600	360	ug/Kg	2	04/20/15	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		540	260	ug/Kg	2	04/20/15	DD	SW8270D	
4-Nitroaniline	ND		3900	260	ug/Kg	2	04/20/15	DD	SW8270D	
4-Nitrophenol	ND		540	350	ug/Kg	2	04/20/15	DD	SW8270D	
Acenaphthene	ND		540	240	ug/Kg	2	04/20/15	DD	SW8270D	
Acenaphthylene	ND		310	220	ug/Kg	2	04/20/15	DD	SW8270D	
Acetophenone	ND		540	240	ug/Kg	2	04/20/15	DD	SW8270D	
Anthracene	300	J	540	250	ug/Kg	2	04/20/15	DD	SW8270D	
Atrazine	ND		310	310	ug/Kg	2	04/20/15	DD	SW8270D	
Benz(a)anthracene	650		540	260	ug/Kg	2	04/20/15	DD	SW8270D	
Benzaldehyde	ND		540	230	ug/Kg	2	04/20/15	DD	SW8270D	
Benzo(a)pyrene	660		310	250	ug/Kg	2	04/20/15	DD	SW8270D	
Benzo(b)fluoranthene	970		540	270	ug/Kg	2	04/20/15	DD	SW8270D	
Benzo(ghi)perylene	ND		540	250	ug/Kg	2	04/20/15	DD	SW8270D	
Benzo(k)fluoranthene	290	J	540	260	ug/Kg	2	04/20/15	DD	SW8270D	
Benzyl butyl phthalate	ND		540	200	ug/Kg	2	04/20/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		540	210	ug/Kg	2	04/20/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		310	210	ug/Kg	2	04/20/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		540	220	ug/Kg	2	04/20/15	DD	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND		540	220	ug/Kg	2	04/20/15	DD	SW8270D	
Caprolactam	ND		540	540	ug/Kg	2	04/20/15	DD	SW8270D	
Carbazole	ND		3900	590	ug/Kg	2	04/20/15	DD	SW8270D	
Chrysene	590		540	260	ug/Kg	2	04/20/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND		310	250	ug/Kg	2	04/20/15	DD	SW8270D	
Dibenzofuran	ND		540	230	ug/Kg	2	04/20/15	DD	SW8270D	
Diethyl phthalate	ND		540	250	ug/Kg	2	04/20/15	DD	SW8270D	
Dimethylphthalate	ND		540	240	ug/Kg	2	04/20/15	DD	SW8270D	
Di-n-butylphthalate	ND		540	210	ug/Kg	2	04/20/15	DD	SW8270D	
Di-n-octylphthalate	ND		540	200	ug/Kg	2	04/20/15	DD	SW8270D	
Fluoranthene	1200		540	250	ug/Kg	2	04/20/15	DD	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TB-6 26-28 FT

Phoenix I.D.: BJ04213

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Fluorene	ND	540	260	ug/Kg	2	04/20/15	DD	SW8270D	
Hexachlorobenzene	ND	310	230	ug/Kg	2	04/20/15	DD	SW8270D	
Hexachlorobutadiene	ND	540	280	ug/Kg	2	04/20/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	540	240	ug/Kg	2	04/20/15	DD	SW8270D	
Hexachloroethane	ND	310	230	ug/Kg	2	04/20/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	500	260	ug/Kg	2	04/20/15	DD	SW8270D	
Isophorone	ND	310	220	ug/Kg	2	04/20/15	DD	SW8270D	
Naphthalene	ND	540	220	ug/Kg	2	04/20/15	DD	SW8270D	
Nitrobenzene	ND	310	270	ug/Kg	2	04/20/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	540	220	ug/Kg	2	04/20/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	310	250	ug/Kg	2	04/20/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	310	300	ug/Kg	2	04/20/15	DD	SW8270D	
Pentachlorophenol	ND	540	290	ug/Kg	2	04/20/15	DD	SW8270D	
Phenanthrene	1200	310	220	ug/Kg	2	04/20/15	DD	SW8270D	
Phenol	ND	330	250	ug/Kg	2	04/20/15	DD	SW8270D	
Pyrene	900	540	270	ug/Kg	2	04/20/15	DD	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	130			%	2	04/20/15	DD	19 - 122 %	3
% 2-Fluorobiphenyl	77			%	2	04/20/15	DD	30 - 115 %	
% 2-Fluorophenol	81			%	2	04/20/15	DD	25 - 121 %	
% Nitrobenzene-d5	75			%	2	04/20/15	DD	23 - 120 %	
% Phenol-d5	84			%	2	04/20/15	DD	24 - 113 %	
% Terphenyl-d14	52			%	2	04/20/15	DD	18 - 137 %	
SVOA Library Search Top 15	Completed					04/21/15	DD		

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 23, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

April 23, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RG	04/16/15	
Location Code:	HESNY-TUCK	Received by:	LB	04/17/15	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ04209
Phoenix ID: BJ04214

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-dioxane								
1,4-dioxane	ND	5000	2000	ug/kg	50	04/20/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
1,1-Dichloroethane	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
1,1-Dichloroethene	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
1,2-Dibromoethane	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
1,2-Dichloroethane	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
1,2-Dichloropropane	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
2-Hexanone	ND	1300	250	ug/Kg	50	04/20/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	04/20/15	JLI	SW8260C
Acetone	ND	2500	250	ug/Kg	50	04/20/15	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	04/20/15	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	04/20/15	JLI	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BJ04214

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Chlorobenzene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Chloroethane	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Chloroform	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Chloromethane	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Cyclohexane	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Dibromochloromethane	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Dichlorodifluoromethane	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Ethylbenzene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Isopropylbenzene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
m&p-Xylene	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Methyl ethyl ketone	ND		1500	250	ug/Kg	50	04/20/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		500	50	ug/Kg	50	04/20/15	JLI	SW8260C
Methylacetate	ND		250	130	ug/Kg	50	04/20/15	JLI	SW8260C
Methylcyclohexane	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Methylene chloride	310	S	250	250	ug/Kg	50	04/20/15	JLI	SW8260C
o-Xylene	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Styrene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Tetrachloroethene	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Toluene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Total Xylenes	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Trichloroethene	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Trichlorofluoromethane	ND		250	50	ug/Kg	50	04/20/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
Vinyl chloride	ND		250	25	ug/Kg	50	04/20/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	50	04/20/15	JLI	70 - 130 %
% Bromofluorobenzene	91				%	50	04/20/15	JLI	70 - 130 %
% Dibromofluoromethane	99				%	50	04/20/15	JLI	70 - 130 %
% Toluene-d8	99				%	50	04/20/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed						04/22/15	JLI	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BJ04214

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.
Trip blank included

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 23, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 23, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RG	04/16/15	
Location Code:	HESNY-TUCK	Received by:	LB	04/17/15	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ04209
Phoenix ID: BJ04215

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-dioxane								
1,4-dioxane	ND	100	40	ug/kg	1	04/20/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	04/20/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	04/20/15	JLI	SW8260C
Acetone	ND	50	5.0	ug/Kg	1	04/20/15	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	04/20/15	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK LOW

Phoenix I.D.: BJ04215

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Cyclohexane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl ethyl ketone	ND	30	5.0	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Methylacetate	ND	5.0	2.5	ug/Kg	1	04/20/15	JLI	SW8260C
Methylcyclohexane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	04/20/15	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Total Xylenes	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	04/20/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	04/20/15	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	04/20/15	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	04/20/15	JLI	70 - 130 %
% Toluene-d8	98			%	1	04/20/15	JLI	70 - 130 %
Volatile Library Search Top 10	Completed					04/21/15	JLI	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK LOW

Phoenix I.D.: BJ04215

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.
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Phyllis Shiller, Laboratory Director
April 23, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Sample Criteria Exceedences Report

GBJ04209 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ04209	$DP8260_TCLS	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	200	260	60	60	ug/Kg
BJ04209	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	66	53	50	50	ug/Kg
BJ04210	$DP8260_TCLS	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	309	250	260	260	ug/Kg
BJ04210	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	67	56	50	50	ug/Kg
BJ04210	$DP8260_TCLS	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	290	250	60	60	ug/Kg
BJ04210	$DP8260_TCLS	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1000	250	700	700	ug/Kg
BJ04211	$DP8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2600	530	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1400	530	500	500	ug/Kg
BJ04211	$DP8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	390	310	330	330	ug/Kg
BJ04211	$DP8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2700	530	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2400	310	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2700	530	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	530	500	500	ug/Kg
BJ04211	$DP8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2400	310	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	530	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	530	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	390	310	330	330	ug/Kg
BJ04211	$DP8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	530	330	330	ug/Kg
BJ04211	$DP8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	530	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	530	330	330	ug/Kg
BJ04211	$DP8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	390	310	330	330	ug/Kg
BJ04211	$DP8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	990	530	800	800	ug/Kg
BJ04211	$DP8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	530	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	530	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2400	310	1000	1000	ug/Kg
BJ04211	$DP8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	530	500	500	ug/Kg
BJ04211	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	15	5	5	ug/Kg
BJ04211	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	49	2.2	3.3	3.3	ug/Kg
BJ04211	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	22	2.2	3.3	3.3	ug/Kg
BJ04211	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	3.02	0.38	2	2	mg/Kg
BJ04211	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	16.4	0.8	16	16	mg/Kg
BJ04211	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	16.4	0.8	16	16	mg/Kg
BJ04211	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	16.4	0.8	13	13	mg/Kg
BJ04211	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.0	0.38	30		mg/Kg
BJ04211	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	123	0.38	50	50	mg/kg
BJ04211	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.20	0.03	0.18	0.18	mg/Kg
BJ04211	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	309	7.7	63	63	mg/Kg
BJ04211	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	298	7.7	109	109	mg/Kg
BJ04212	$DP8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1400	510	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	510	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBJ04209 - HESNY-TUCK

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ04212	$DP8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	510	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1300	510	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	510	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1400	510	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	510	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	510	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	290	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	290	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	290	1000	1000	ug/Kg
BJ04212	$DP8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	660	510	500	500	ug/Kg
BJ04212	$DP8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	660	510	500	500	ug/Kg
BJ04212	$DP8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	660	510	500	500	ug/Kg
BJ04212	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	11	3.6	5	5	ug/Kg
BJ04212	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	61	2.2	3.3	3.3	ug/Kg
BJ04212	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	10	2.2	3.3	3.3	ug/Kg
BJ04212	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.5	3.3	3.3	ug/Kg
BJ04212	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	41.2	0.37	30		mg/Kg
BJ04212	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	118	0.37	50	50	mg/kg
BJ04212	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.23	0.03	0.18	0.18	mg/Kg
BJ04212	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	353	7.3	63	63	mg/Kg
BJ04212	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	314	7.3	109	109	mg/Kg
BJ04213	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.5	2.3	3.3	3.3	ug/Kg
BJ04213	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	12	2.3	3.3	3.3	ug/Kg
BJ04213	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	72.1	0.38	50	50	mg/kg
BJ04213	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	271	7.6	63	63	mg/Kg
BJ04213	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	299	7.6	109	109	mg/Kg
BJ04214	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	100	100	ug/kg
BJ04214	$DP8260_TCLS	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BJ04214	$DP8260_TCLS	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BJ04214	$DP8260_TCLS	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BJ04214	$DP8260_TCLS	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BJ04214	$DP8260_TCLS	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BJ04214	$DP8260_TCLS	Methyl ethyl ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BJ04214	$DP8260_TCLS	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	310	250	50	50	ug/Kg
BJ04214	$DP8260_TCLS	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

April 23, 2015

SDG I.D.: GBJ04209

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

WITH

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4.0 °C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: info@hesny.com tcarr@hesny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS, ONE DEANS BRIDGE ROAD, SOMERS, NEW YORK 10589

Project: 109 Marbledale Rd, Tuckahoe NY
Report to: Tim Carr
Invoice to:

Project P.O:
Phone #: 914-276-2560
Fax #: 914-276-2664

Sampler's Signature: RGruffi Date: 4/16/15

Client Sample - Information - Identification

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC	TCL SVOC	TCL PCB	Tal Metals	Cyanide	Soil VOA	Methanol [ ] S. Bisulfate [X] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
04209	TB-6 (6-8)	S	4/16/15	9:45	X					3										
04210	TB-106 (6-8)			9:45	X					3										
04211	TB-6 (4-8)			9:45									1							
04212	TB-106 (4-8)			9:45									1							
04213	TB-6 (26-28)			10:00	X					3			1							
04214	Trip Blank		4/16/15		X					2										
04215	TB-6																			

Relinquished by:	Accepted by:	Date:	Time:
		4-17-15	12:00
		4/17/15	1600

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

State where samples were collected: NY

Data Package
☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

PHOENIX
Environmental Laboratories, Inc.

Tuesday, June 09, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Sample ID#s: BJ18696 - BJ18703, BJ18705 - BJ18708

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

June 09, 2015

SDG I.D.: GBJ18696

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: HydroEnvironmental Solutions, Inc.

Project: 109 MARBLEDALE RD., TUCKAHOE, NY

Laboratory Project: GBJ18696

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

NY Analytical Services Protocol Format

June 09, 2015 **SDG I.D.: GBJ18696**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE, NY

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
VP-10	BJ18696	AIR
VP-2	BJ18697	AIR
VP-11	BJ18698	AIR
VP-3	BJ18699	AIR
VP-5	BJ18700	AIR
VP-8	BJ18701	AIR
VP-7	BJ18702	AIR
VP-12	BJ18703	AIR
VP-1	BJ18705	AIR
VP-105	BJ18706	AIR
VP-9	BJ18707	AIR
VP-6	BJ18708	AIR

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	15:33
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	11250				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18696

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-10

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	1
1,1,1-Trichloroethane	19.4		*0.183*	0.183	106	*1.00*	1.00	05/19/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethane	1.01		*0.247*	0.247	4.09	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trimethylbenzene	0.908		*0.204*	0.204	4.46	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Dichlorobenzene	0.363		*0.166*	0.166	2.18	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.327		*0.244*	0.244	1.34	*1.00*	1.00	05/19/15	KCA	1	
Acetone	35.4	DS	*4.21*	4.21	84.0	*10.0*	10.0	05/19/15	KCA	10	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/19/15	KCA	1	
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	05/19/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-10

Phoenix I.D.: BJ18696

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/19/15	KCA	1	
Carbon Disulfide	0.424		*0.321*	0.321	1.32	*1.00*	1.00	05/19/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/19/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroform	0.896		*0.205*	0.205	4.37	*1.00*	1.00	05/19/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/19/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	05/19/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/19/15	KCA	1	
Dichlorodifluoromethane	282	D	*3.04*	3.04	1390	*15.0*	15.0	05/20/15	KCA	15	
Ethanol	3.93	S	*0.531*	0.531	7.40	*1.00*	1.00	05/19/15	KCA	1	1
Ethyl acetate	0.347		*0.278*	0.278	1.25	*1.00*	1.00	05/19/15	KCA	1	1
Ethylbenzene	0.271		*0.230*	0.230	1.18	*1.00*	1.00	05/19/15	KCA	1	
Heptane	0.438		*0.244*	0.244	1.79	*1.00*	1.00	05/19/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/19/15	KCA	1	
Hexane	0.785	S	*0.284*	0.284	2.77	*1.00*	1.00	05/19/15	KCA	1	
Isopropylalcohol	318	DS	*4.07*	4.07	781	*10.0*	10.0	05/19/15	KCA	10	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
m,p-Xylene	0.929		*0.230*	0.230	4.03	*1.00*	1.00	05/19/15	KCA	1	
Methyl Ethyl Ketone	1.03		*0.339*	0.339	3.04	*1.00*	1.00	05/19/15	KCA	1	
Methyl tert-butyl ether(MTBE)	1.73		*0.278*	0.278	6.23	*1.00*	1.00	05/19/15	KCA	1	
Methylene Chloride	6.01	S	*0.288*	0.288	20.9	*1.00*	1.00	05/19/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
o-Xylene	0.323		*0.230*	0.230	1.40	*1.00*	1.00	05/19/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/19/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/19/15	KCA	1	
Tetrachloroethene	0.997		*0.037*	0.037	6.76	*0.25*	0.25	05/19/15	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	05/19/15	KCA	1	1
Toluene	5.32		*0.266*	0.266	20.0	*1.00*	1.00	05/19/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Trichloroethene	0.175		*0.047*	0.047	0.94	*0.25*	0.25	05/19/15	KCA	1	
Trichlorofluoromethane	6.22		*0.178*	0.178	34.9	*1.00*	1.00	05/19/15	KCA	1	
Trichlorotrifluoroethane	0.254		*0.131*	0.131	1.95	*1.00*	1.00	05/19/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	05/19/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	113		*%*	%	113	*%*	%	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-10

Phoenix I.D.: BJ18696

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	12:17
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	493				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18697

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trimethylbenzene	0.870	*0.204*	0.204	4.27	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorotetrafluoroethane	15.5	*0.143*	0.143	108	*1.00*	1.00	05/19/15	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Dichlorobenzene	0.724	*0.166*	0.166	4.35	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Ethyltoluene	0.305	*0.204*	0.204	1.50	*1.00*	1.00	05/19/15	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	05/19/15	KCA	1	
Acetone	ND	*0.421*	0.421	ND	*1.00*	1.00	05/19/15	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	05/19/15	KCA	1	
Benzene	3.14	*0.313*	0.313	10.0	*1.00*	1.00	05/19/15	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY

Phoenix I.D.: BJ18697

Client ID: VP-2

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/19/15	KCA	1	
Carbon Disulfide	0.739		*0.321*	0.321	2.30	*1.00*	1.00	05/19/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/19/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/19/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Cyclohexane	16.8		*0.291*	0.291	57.8	*1.00*	1.00	05/19/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/19/15	KCA	1	
Dichlorodifluoromethane	57.6	D	*1.01*	1.01	285	*4.99*	4.99	05/20/15	KCA	5	
Ethanol	9.54	S	*0.531*	0.531	18.0	*1.00*	1.00	05/19/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	1
Ethylbenzene	0.344		*0.230*	0.230	1.49	*1.00*	1.00	05/19/15	KCA	1	
Heptane	2.92		*0.244*	0.244	12.0	*1.00*	1.00	05/19/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/19/15	KCA	1	
Hexane	16.8	S	*0.284*	0.284	59.2	*1.00*	1.00	05/19/15	KCA	1	
Isopropylalcohol	225	DS	*6.11*	6.11	553	*15.0*	15.0	05/20/15	KCA	15	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
m,p-Xylene	1.07		*0.230*	0.230	4.64	*1.00*	1.00	05/19/15	KCA	1	
Methyl Ethyl Ketone	2.70		*0.339*	0.339	7.96	*1.00*	1.00	05/19/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	
Methylene Chloride	2.16	S	*0.288*	0.288	7.50	*1.00*	1.00	05/19/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
o-Xylene	0.567		*0.230*	0.230	2.46	*1.00*	1.00	05/19/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/19/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/19/15	KCA	1	
Tetrachloroethene	0.144		*0.037*	0.037	0.98	*0.25*	0.25	05/19/15	KCA	1	
Tetrahydrofuran	0.956		*0.339*	0.339	2.82	*1.00*	1.00	05/19/15	KCA	1	1
Toluene	5.31		*0.266*	0.266	20.0	*1.00*	1.00	05/19/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Trichloroethene	0.191		*0.047*	0.047	1.03	*0.25*	0.25	05/19/15	KCA	1	
Trichlorofluoromethane	ND		*0.178*	0.178	ND	*1.00*	1.00	05/19/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	05/19/15	KCA	1	
Vinyl Chloride	0.549		*0.098*	0.098	1.40	*0.25*	0.25	05/19/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	125		*%*	%	125	*%*	%	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-2

Phoenix I.D.: BJ18697

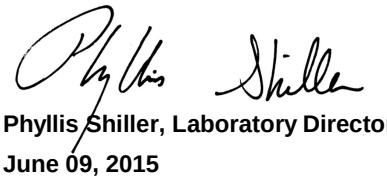
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	13:46
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	222				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18698

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-11

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trimethylbenzene	0.914		*0.204*	0.204	4.49	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorotetrafluoroethane	5280	D	*57.3*	57.3	36900	*400*	400	05/21/15	KCA	400	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Dichlorobenzene	1.06		*0.166*	0.166	6.37	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/19/15	KCA	1	
Acetone	41.1	DS	*16.8*	16.8	97.6	*39.9*	39.9	05/20/15	KCA	40	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/19/15	KCA	1	
Benzene	0.651		*0.313*	0.313	2.08	*1.00*	1.00	05/19/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-11

Phoenix I.D.: BJ18698

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/19/15	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	05/19/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/19/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroform	0.809		*0.205*	0.205	3.95	*1.00*	1.00	05/19/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/19/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Cyclohexane	4.73		*0.291*	0.291	16.3	*1.00*	1.00	05/19/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/19/15	KCA	1	
Dichlorodifluoromethane	8320	D	*80.9*	80.9	41100	*400*	400	05/21/15	KCA	400	
Ethanol	2.93	S	*0.531*	0.531	5.52	*1.00*	1.00	05/19/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	1
Ethylbenzene	0.285		*0.230*	0.230	1.24	*1.00*	1.00	05/19/15	KCA	1	
Heptane	0.738		*0.244*	0.244	3.02	*1.00*	1.00	05/19/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/19/15	KCA	1	
Hexane	8.62	S	*0.284*	0.284	30.4	*1.00*	1.00	05/19/15	KCA	1	
Isopropylalcohol	235	DS	*16.3*	16.3	577	*40.0*	40.0	05/20/15	KCA	40	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
m,p-Xylene	0.947		*0.230*	0.230	4.11	*1.00*	1.00	05/19/15	KCA	1	
Methyl Ethyl Ketone	1.64		*0.339*	0.339	4.83	*1.00*	1.00	05/19/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	
Methylene Chloride	1.23	S	*0.288*	0.288	4.27	*1.00*	1.00	05/19/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
o-Xylene	0.335		*0.230*	0.230	1.45	*1.00*	1.00	05/19/15	KCA	1	
Propylene	21.0		*0.581*	0.581	36.1	*1.00*	1.00	05/19/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/19/15	KCA	1	
Tetrachloroethene	1.34		*0.037*	0.037	9.08	*0.25*	0.25	05/19/15	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	05/19/15	KCA	1	1
Toluene	4.94		*0.266*	0.266	18.6	*1.00*	1.00	05/19/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Trichloroethene	0.368		*0.047*	0.047	1.98	*0.25*	0.25	05/19/15	KCA	1	
Trichlorofluoromethane	25.1		*0.178*	0.178	141	*1.00*	1.00	05/19/15	KCA	1	
Trichlorotrifluoroethane	1.77		*0.131*	0.131	13.6	*1.00*	1.00	05/19/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	05/19/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	113		*%*	%	113	*%*	%	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-11

Phoenix I.D.: BJ18698

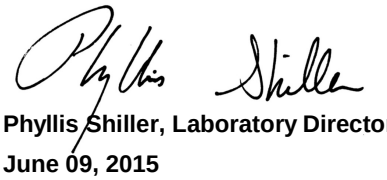
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	13:28
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	488				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18699

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-3

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trimethylbenzene	0.941		*0.204*	0.204	4.62	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorotetrafluoroethane	2160	D	*57.3*	57.3	15100	*400*	400	05/21/15	KCA	400	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/19/15	KCA	1	
Acetone	ND		*0.421*	0.421	ND	*1.00*	1.00	05/19/15	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/19/15	KCA	1	
Benzene	73.8	D	*12.5*	12.5	236	*39.9*	39.9	05/20/15	KCA	40	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY

Phoenix I.D.: BJ18699

Client ID: VP-3

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/19/15	KCA	1	
Carbon Disulfide	0.582		*0.321*	0.321	1.81	*1.00*	1.00	05/19/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/19/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/19/15	KCA	1	
Cis-1,2-Dichloroethene	2.51		*0.252*	0.252	9.9	*1.00*	1.00	05/19/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Cyclohexane	385	D	*11.6*	11.6	1320	*39.9*	39.9	05/20/15	KCA	40	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/19/15	KCA	1	
Dichlorodifluoromethane	2650	D	*80.9*	80.9	13100	*400*	400	05/21/15	KCA	400	
Ethanol	12.8	S	*0.531*	0.531	24.1	*1.00*	1.00	05/19/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	1
Ethylbenzene	0.370		*0.230*	0.230	1.61	*1.00*	1.00	05/19/15	KCA	1	
Heptane	268	D	*9.77*	9.77	1100	*40.0*	40.0	05/20/15	KCA	40	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/19/15	KCA	1	
Hexane	1480	DS	*11.4*	11.4	5210	*40.2*	40.2	05/20/15	KCA	40	
Isopropylalcohol	415	DS	*16.3*	16.3	1020	*40.0*	40.0	05/20/15	KCA	40	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
m,p-Xylene	1.03		*0.230*	0.230	4.47	*1.00*	1.00	05/19/15	KCA	1	
Methyl Ethyl Ketone	34.2		*0.339*	0.339	101	*1.00*	1.00	05/19/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	05/19/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
o-Xylene	0.502		*0.230*	0.230	2.18	*1.00*	1.00	05/19/15	KCA	1	
Propylene	ND	D	*23.3*	23.3	ND	*40.1*	40.1	05/20/15	KCA	40	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/19/15	KCA	1	
Tetrachloroethene	0.340		*0.037*	0.037	2.30	*0.25*	0.25	05/19/15	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	05/19/15	KCA	1	1
Toluene	4.96		*0.266*	0.266	18.7	*1.00*	1.00	05/19/15	KCA	1	
Trans-1,2-Dichloroethene	2.94		*0.252*	0.252	11.6	*1.00*	1.00	05/19/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Trichloroethene	0.880		*0.047*	0.047	4.73	*0.25*	0.25	05/19/15	KCA	1	
Trichlorofluoromethane	0.232		*0.178*	0.178	1.30	*1.00*	1.00	05/19/15	KCA	1	
Trichlorotrifluoroethane	0.180		*0.131*	0.131	1.38	*1.00*	1.00	05/19/15	KCA	1	
Vinyl Chloride	36.7		*0.098*	0.098	93.8	*0.25*	0.25	05/19/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	125		*%*	%	125	*%*	%	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-3

Phoenix I.D.: BJ18699

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	13:11
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12858				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18700

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-5

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trimethylbenzene	1.06		*0.204*	0.204	5.21	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorotetrafluoroethane	1250	D	*28.6*	28.6	8730	*200*	200	05/21/15	KCA	200	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Dichlorobenzene	0.772		*0.166*	0.166	4.64	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.477		*0.244*	0.244	1.95	*1.00*	1.00	05/20/15	KCA	1	
Acetone	ND		*0.421*	0.421	ND	*1.00*	1.00	05/20/15	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/20/15	KCA	1	
Benzene	1.18		*0.313*	0.313	3.77	*1.00*	1.00	05/20/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY

Phoenix I.D.: BJ18700

Client ID: VP-5

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Tetrachloride	0.072		*0.040*	0.040	0.45	*0.25*	0.25	05/20/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/20/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Cyclohexane	7.10		*0.291*	0.291	24.4	*1.00*	1.00	05/20/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/20/15	KCA	1	
Dichlorodifluoromethane	1320	D	*40.5*	40.5	6520	*200*	200	05/21/15	KCA	200	
Ethanol	5.26	S	*0.531*	0.531	9.9	*1.00*	1.00	05/20/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	1
Ethylbenzene	0.245		*0.230*	0.230	1.06	*1.00*	1.00	05/20/15	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexane	46.0	DS	*2.84*	2.84	162	*10.0*	10.0	05/20/15	KCA	10	
Isopropylalcohol	444	EDS	*4.07*	4.07	1090	*10.0*	10.0	05/20/15	KCA	10	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
m,p-Xylene	0.846		*0.230*	0.230	3.67	*1.00*	1.00	05/20/15	KCA	1	
Methyl Ethyl Ketone	ND		*0.339*	0.339	ND	*1.00*	1.00	05/20/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	05/20/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
o-Xylene	0.286		*0.230*	0.230	1.24	*1.00*	1.00	05/20/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/20/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/20/15	KCA	1	
Tetrachloroethene	0.213		*0.037*	0.037	1.44	*0.25*	0.25	05/20/15	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	05/20/15	KCA	1	1
Toluene	1.60		*0.266*	0.266	6.03	*1.00*	1.00	05/20/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Trichloroethene	0.210		*0.047*	0.047	1.13	*0.25*	0.25	05/20/15	KCA	1	
Trichlorofluoromethane	0.291		*0.178*	0.178	1.63	*1.00*	1.00	05/20/15	KCA	1	
Trichlorotrifluoroethane	0.142		*0.131*	0.131	1.09	*1.00*	1.00	05/20/15	KCA	1	
Vinyl Chloride	8.16		*0.098*	0.098	20.8	*0.25*	0.25	05/20/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	116		*%*	%	116	*%*	%	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-5

Phoenix I.D.: BJ18700

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	14:41
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12871				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18701

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-8

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2,4-Trimethylbenzene	0.968		*0.204*	0.204	4.76	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
1,2-Dichlorotetrafluoroethane	74.8	D	*2.15*	2.15	523	*15.0*	15.0	05/20/15	KCA	15	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/19/15	KCA	1	
1,3-Dichlorobenzene	0.596		*0.166*	0.166	3.58	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/19/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/19/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.389		*0.244*	0.244	1.59	*1.00*	1.00	05/19/15	KCA	1	
Acetone	42.2	DS	*6.32*	6.32	100	*15.0*	15.0	05/20/15	KCA	15	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/19/15	KCA	1	
Benzene	1.21		*0.313*	0.313	3.86	*1.00*	1.00	05/19/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY

Phoenix I.D.: BJ18701

Client ID: VP-8

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/19/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/19/15	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	05/19/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/19/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/19/15	KCA	1	
Chloroform	0.303		*0.205*	0.205	1.48	*1.00*	1.00	05/19/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/19/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	05/19/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/19/15	KCA	1	
Dichlorodifluoromethane	305	D	*3.04*	3.04	1510	*15.0*	15.0	05/20/15	KCA	15	
Ethanol	2.92	S	*0.531*	0.531	5.50	*1.00*	1.00	05/19/15	KCA	1	1
Ethyl acetate	0.297		*0.278*	0.278	1.07	*1.00*	1.00	05/19/15	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	05/19/15	KCA	1	
Heptane	0.502		*0.244*	0.244	2.06	*1.00*	1.00	05/19/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/19/15	KCA	1	
Hexane	0.369	S	*0.284*	0.284	1.30	*1.00*	1.00	05/19/15	KCA	1	
Isopropylalcohol	346	DS	*6.11*	6.11	850	*15.0*	15.0	05/20/15	KCA	15	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/19/15	KCA	1	
m,p-Xylene	0.782		*0.230*	0.230	3.39	*1.00*	1.00	05/19/15	KCA	1	
Methyl Ethyl Ketone	1.22		*0.339*	0.339	3.60	*1.00*	1.00	05/19/15	KCA	1	
Methyl tert-butyl ether(MTBE)	2.05		*0.278*	0.278	7.39	*1.00*	1.00	05/19/15	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	05/19/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
o-Xylene	0.267		*0.230*	0.230	1.16	*1.00*	1.00	05/19/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/19/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/19/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/19/15	KCA	1	
Tetrachloroethene	0.408		*0.037*	0.037	2.77	*0.25*	0.25	05/19/15	KCA	1	
Tetrahydrofuran	0.559		*0.339*	0.339	1.65	*1.00*	1.00	05/19/15	KCA	1	1
Toluene	3.79		*0.266*	0.266	14.3	*1.00*	1.00	05/19/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/19/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/19/15	KCA	1	
Trichloroethene	0.141		*0.047*	0.047	0.76	*0.25*	0.25	05/19/15	KCA	1	
Trichlorofluoromethane	17.9		*0.178*	0.178	101	*1.00*	1.00	05/19/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	05/19/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	05/19/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	115		*%*	%	115	*%*	%	05/19/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-8

Phoenix I.D.: BJ18701

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	14:24
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	490				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18702

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-7

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethane	0.644		*0.247*	0.247	2.60	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trimethylbenzene	1.03		*0.204*	0.204	5.06	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorotetrafluoroethane	4330	D	*30.1*	30.1	30300	*210*	210	05/21/15	KCA	210	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Dichlorobenzene	0.901		*0.166*	0.166	5.41	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	
Acetone	ND		*88.5*	88.5	ND	*210*	210	05/21/15	KCA	210	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/20/15	KCA	1	
Benzene	21.5		*0.313*	0.313	68.6	*1.00*	1.00	05/20/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-7

Phoenix I.D.: BJ18702

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Disulfide	18.8		*0.321*	0.321	58.5	*1.00*	1.00	05/20/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/20/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroform	0.832		*0.205*	0.205	4.06	*1.00*	1.00	05/20/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/20/15	KCA	1	
Cis-1,2-Dichloroethene	5.28		*0.252*	0.252	20.9	*1.00*	1.00	05/20/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Cyclohexane	10.1		*0.291*	0.291	34.7	*1.00*	1.00	05/20/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/20/15	KCA	1	
Dichlorodifluoromethane	4670	D	*42.5*	42.5	23100	*210*	210	05/21/15	KCA	210	
Ethanol	9.88	S	*0.531*	0.531	18.6	*1.00*	1.00	05/20/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	1
Ethylbenzene	0.343		*0.230*	0.230	1.49	*1.00*	1.00	05/20/15	KCA	1	
Heptane	3.57		*0.244*	0.244	14.6	*1.00*	1.00	05/20/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexane	10.5	S	*0.284*	0.284	37.0	*1.00*	1.00	05/20/15	KCA	1	
Isopropylalcohol	413	SE	*0.407*	0.407	1010	*1.00*	1.00	05/20/15	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
m,p-Xylene	0.931		*0.230*	0.230	4.04	*1.00*	1.00	05/20/15	KCA	1	
Methyl Ethyl Ketone	6.80		*0.339*	0.339	20.0	*1.00*	1.00	05/20/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
Methylene Chloride	12.9	S	*0.288*	0.288	44.8	*1.00*	1.00	05/20/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
o-Xylene	0.401		*0.230*	0.230	1.74	*1.00*	1.00	05/20/15	KCA	1	
Propylene	249	D	*122*	122	428	*210*	210	05/21/15	KCA	210	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/20/15	KCA	1	
Tetrachloroethene	10.4		*0.037*	0.037	70.5	*0.25*	0.25	05/20/15	KCA	1	
Tetrahydrofuran	4.82		*0.339*	0.339	14.2	*1.00*	1.00	05/20/15	KCA	1	1
Toluene	11.4		*0.266*	0.266	42.9	*1.00*	1.00	05/20/15	KCA	1	
Trans-1,2-Dichloroethene	1.17		*0.252*	0.252	4.64	*1.00*	1.00	05/20/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Trichloroethene	4.76		*0.047*	0.047	25.6	*0.25*	0.25	05/20/15	KCA	1	
Trichlorofluoromethane	404	D	*37.4*	37.4	2270	*210*	210	05/21/15	KCA	210	
Trichlorotrifluoroethane	0.183		*0.131*	0.131	1.40	*1.00*	1.00	05/20/15	KCA	1	
Vinyl Chloride	33.1		*0.098*	0.098	84.6	*0.25*	0.25	05/20/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	114		*%*	%	114	*%*	%	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-7

Phoenix I.D.: BJ18702

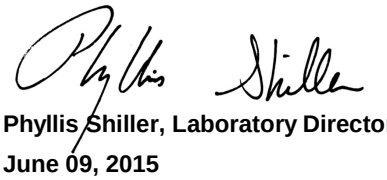
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	15:15
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12873				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18703

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-12

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trimethylbenzene	1.04		*0.204*	0.204	5.11	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorotetrafluoroethane	76.4	D	*5.73*	5.73	534	*40.0*	40.0	05/21/15	KCA	40	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Dichlorobenzene	0.631		*0.166*	0.166	3.79	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.400		*0.244*	0.244	1.64	*1.00*	1.00	05/20/15	KCA	1	
Acetone	64.6	DS	*16.8*	16.8	153	*39.9*	39.9	05/21/15	KCA	40	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/20/15	KCA	1	
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	05/20/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-12

Phoenix I.D.: BJ18703

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Disulfide	0.359		*0.321*	0.321	1.12	*1.00*	1.00	05/20/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/20/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/20/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	05/20/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/20/15	KCA	1	
Dichlorodifluoromethane	587	D	*8.09*	8.09	2900	*40.0*	40.0	05/21/15	KCA	40	
Ethanol	3.08	S	*0.531*	0.531	5.80	*1.00*	1.00	05/20/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	1
Ethylbenzene	0.237		*0.230*	0.230	1.03	*1.00*	1.00	05/20/15	KCA	1	
Heptane	0.463		*0.244*	0.244	1.90	*1.00*	1.00	05/20/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexane	0.453	S	*0.284*	0.284	1.60	*1.00*	1.00	05/20/15	KCA	1	
Isopropylalcohol	403	SE	*0.407*	0.407	990	*1.00*	1.00	05/20/15	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
m,p-Xylene	0.818		*0.230*	0.230	3.55	*1.00*	1.00	05/20/15	KCA	1	
Methyl Ethyl Ketone	1.34		*0.339*	0.339	3.95	*1.00*	1.00	05/20/15	KCA	1	
Methyl tert-butyl ether(MTBE)	2.02		*0.278*	0.278	7.28	*1.00*	1.00	05/20/15	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	05/20/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
o-Xylene	0.275		*0.230*	0.230	1.19	*1.00*	1.00	05/20/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/20/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/20/15	KCA	1	
Tetrachloroethene	0.472		*0.037*	0.037	3.20	*0.25*	0.25	05/20/15	KCA	1	
Tetrahydrofuran	0.579		*0.339*	0.339	1.71	*1.00*	1.00	05/20/15	KCA	1	1
Toluene	3.80		*0.266*	0.266	14.3	*1.00*	1.00	05/20/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Trichloroethene	0.048		*0.047*	0.047	0.26	*0.25*	0.25	05/20/15	KCA	1	
Trichlorofluoromethane	6.72		*0.178*	0.178	37.7	*1.00*	1.00	05/20/15	KCA	1	
Trichlorotrifluoroethane	0.176		*0.131*	0.131	1.35	*1.00*	1.00	05/20/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	05/20/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	111		*%*	%	111	*%*	%	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-12

Phoenix I.D.: BJ18703

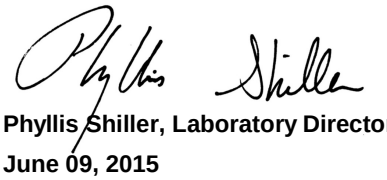
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	12:36
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12864				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18705

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trimethylbenzene	0.966	*0.204*	0.204	4.75	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorotetrafluoroethane	4.89	*0.143*	0.143	34.2	*1.00*	1.00	05/20/15	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Dichlorobenzene	0.704	*0.166*	0.166	4.23	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	
Acetone	ND	*0.421*	0.421	ND	*1.00*	1.00	05/20/15	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	05/20/15	KCA	1	
Benzene	0.898	*0.313*	0.313	2.87	*1.00*	1.00	05/20/15	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY

Phoenix I.D.: BJ18705

Client ID: VP-1

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Disulfide	0.566		*0.321*	0.321	1.76	*1.00*	1.00	05/20/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/20/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/20/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Cyclohexane	112	D	*2.91*	2.91	385	*10.0*	10.0	05/21/15	KCA	10	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/20/15	KCA	1	
Dichlorodifluoromethane	9.01		*0.202*	0.202	44.5	*1.00*	1.00	05/20/15	KCA	1	
Ethanol	4.05		*0.531*	0.531	7.63	*1.00*	1.00	05/20/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	05/20/15	KCA	1	
Heptane	3.00		*0.244*	0.244	12.3	*1.00*	1.00	05/20/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexane	145	D	*2.84*	2.84	511	*10.0*	10.0	05/21/15	KCA	10	
Isopropylalcohol	556	ED	*4.07*	4.07	1370	*10.0*	10.0	05/21/15	KCA	10	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
m,p-Xylene	0.808		*0.230*	0.230	3.51	*1.00*	1.00	05/20/15	KCA	1	
Methyl Ethyl Ketone	ND		*0.339*	0.339	ND	*1.00*	1.00	05/20/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
Methylene Chloride	1.01		*0.288*	0.288	3.51	*1.00*	1.00	05/20/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
o-Xylene	0.319		*0.230*	0.230	1.38	*1.00*	1.00	05/20/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/20/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/20/15	KCA	1	
Tetrachloroethene	0.075		*0.037*	0.037	0.51	*0.25*	0.25	05/20/15	KCA	1	
Tetrahydrofuran	0.350		*0.339*	0.339	1.03	*1.00*	1.00	05/20/15	KCA	1	1
Toluene	3.56		*0.266*	0.266	13.4	*1.00*	1.00	05/20/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Trichloroethene	0.095		*0.047*	0.047	0.51	*0.25*	0.25	05/20/15	KCA	1	
Trichlorofluoromethane	ND		*0.178*	0.178	ND	*1.00*	1.00	05/20/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	05/20/15	KCA	1	
Vinyl Chloride	0.131		*0.098*	0.098	0.33	*0.25*	0.25	05/20/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	119		*%*	%	119	*%*	%	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-1

Phoenix I.D.: BJ18705

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	13:11
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	481				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18706

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-105

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trimethylbenzene	1.02		*0.204*	0.204	5.01	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorotetrafluoroethane	171	D	*1.43*	1.43	1190	*10.0*	10.0	05/20/15	KCA	10	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Dichlorobenzene	0.783		*0.166*	0.166	4.70	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.403		*0.244*	0.244	1.65	*1.00*	1.00	05/20/15	KCA	1	
Acetone	ND		*0.421*	0.421	ND	*1.00*	1.00	05/20/15	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/20/15	KCA	1	
Benzene	0.564		*0.313*	0.313	1.80	*1.00*	1.00	05/20/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-105

Phoenix I.D.: BJ18706

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Tetrachloride	0.085		*0.040*	0.040	0.53	*0.25*	0.25	05/20/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/20/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Cyclohexane	2.85		*0.291*	0.291	9.8	*1.00*	1.00	05/20/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/20/15	KCA	1	
Dichlorodifluoromethane	171	D	*2.02*	2.02	845	*10.0*	10.0	05/20/15	KCA	10	
Ethanol	4.92		*0.531*	0.531	9.26	*1.00*	1.00	05/20/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	05/20/15	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexane	18.7		*0.284*	0.284	65.9	*1.00*	1.00	05/20/15	KCA	1	
Isopropylalcohol	433	E	*0.407*	0.407	1060	*1.00*	1.00	05/20/15	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
m,p-Xylene	0.811		*0.230*	0.230	3.52	*1.00*	1.00	05/20/15	KCA	1	
Methyl Ethyl Ketone	ND		*0.339*	0.339	ND	*1.00*	1.00	05/20/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	05/20/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
o-Xylene	0.290		*0.230*	0.230	1.26	*1.00*	1.00	05/20/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/20/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/20/15	KCA	1	
Tetrachloroethene	0.217		*0.037*	0.037	1.47	*0.25*	0.25	05/20/15	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	05/20/15	KCA	1	1
Toluene	1.31		*0.266*	0.266	4.93	*1.00*	1.00	05/20/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Trichloroethene	0.194		*0.047*	0.047	1.04	*0.25*	0.25	05/20/15	KCA	1	
Trichlorofluoromethane	0.279		*0.178*	0.178	1.57	*1.00*	1.00	05/20/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	05/20/15	KCA	1	
Vinyl Chloride	3.06		*0.098*	0.098	7.82	*0.25*	0.25	05/20/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	113		*%*	%	113	*%*	%	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-105

Phoenix I.D.: BJ18706

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	14:58
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	479				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18707

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-9

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trimethylbenzene	0.967		*0.204*	0.204	4.75	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorotetrafluoroethane	100	D	*4.29*	4.29	699	*30.0*	30.0	05/21/15	KCA	30	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Dichlorobenzene	0.587		*0.166*	0.166	3.53	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	
Acetone	133	D	*12.6*	12.6	316	*29.9*	29.9	05/21/15	KCA	30	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/20/15	KCA	1	
Benzene	9.09		*0.313*	0.313	29.0	*1.00*	1.00	05/20/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-9

Phoenix I.D.: BJ18707

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Disulfide	0.369		*0.321*	0.321	1.15	*1.00*	1.00	05/20/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/20/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroform	0.583		*0.205*	0.205	2.84	*1.00*	1.00	05/20/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/20/15	KCA	1	
Cis-1,2-Dichloroethene	0.581		*0.252*	0.252	2.30	*1.00*	1.00	05/20/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Cyclohexane	50.8	D	*8.72*	8.72	175	*30.0*	30.0	05/21/15	KCA	30	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/20/15	KCA	1	
Dichlorodifluoromethane	276	D	*6.07*	6.07	1360	*30.0*	30.0	05/21/15	KCA	30	
Ethanol	7.12		*0.531*	0.531	13.4	*1.00*	1.00	05/20/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	1
Ethylbenzene	0.467		*0.230*	0.230	2.03	*1.00*	1.00	05/20/15	KCA	1	
Heptane	15.6		*0.244*	0.244	63.9	*1.00*	1.00	05/20/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexane	37.6		*0.284*	0.284	132	*1.00*	1.00	05/20/15	KCA	1	
Isopropylalcohol	289	D	*12.2*	12.2	710	*30.0*	30.0	05/21/15	KCA	30	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
m,p-Xylene	1.29		*0.230*	0.230	5.60	*1.00*	1.00	05/20/15	KCA	1	
Methyl Ethyl Ketone	2.50		*0.339*	0.339	7.37	*1.00*	1.00	05/20/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
Methylene Chloride	0.612		*0.288*	0.288	2.12	*1.00*	1.00	05/20/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
o-Xylene	0.514		*0.230*	0.230	2.23	*1.00*	1.00	05/20/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/20/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/20/15	KCA	1	
Tetrachloroethene	0.285		*0.037*	0.037	1.93	*0.25*	0.25	05/20/15	KCA	1	
Tetrahydrofuran	2.34		*0.339*	0.339	6.90	*1.00*	1.00	05/20/15	KCA	1	1
Toluene	7.29		*0.266*	0.266	27.5	*1.00*	1.00	05/20/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Trichloroethene	0.281		*0.047*	0.047	1.51	*0.25*	0.25	05/20/15	KCA	1	
Trichlorofluoromethane	11.3		*0.178*	0.178	63.4	*1.00*	1.00	05/20/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	05/20/15	KCA	1	
Vinyl Chloride	0.313		*0.098*	0.098	0.80	*0.25*	0.25	05/20/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	118		*%*	%	118	*%*	%	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-9

Phoenix I.D.: BJ18707

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/18/15	14:07
Location Code:	HESNY-TUCK	Received by:	LB	05/19/15	16:32
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	11285				

Laboratory Data

SDG ID: GBJ18696
Phoenix ID: BJ18708

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-6

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2,4-Trimethylbenzene	0.901		*0.204*	0.204	4.43	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
1,2-Dichlorotetrafluoroethane	20300	D	*137*	137	142000	*957*	957	05/21/15	KCA	960	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/20/15	KCA	1	
1,3-Dichlorobenzene	0.612		*0.166*	0.166	3.68	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/20/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Ethyltoluene	0.421		*0.204*	0.204	2.07	*1.00*	1.00	05/20/15	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/20/15	KCA	1	
Acetone	108	D	*4.21*	4.21	256	*10.0*	10.0	05/20/15	KCA	10	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/20/15	KCA	1	
Benzene	15.7		*0.313*	0.313	50.1	*1.00*	1.00	05/20/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY

Phoenix I.D.: BJ18708

Client ID: VP-6

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/20/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/20/15	KCA	1	
Carbon Disulfide	3.38		*0.321*	0.321	10.5	*1.00*	1.00	05/20/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	05/20/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/20/15	KCA	1	
Chloroform	30.9		*0.205*	0.205	151	*1.00*	1.00	05/20/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/20/15	KCA	1	
Cis-1,2-Dichloroethene	2.26		*0.252*	0.252	8.96	*1.00*	1.00	05/20/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Cyclohexane	18.0		*0.291*	0.291	61.9	*1.00*	1.00	05/20/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/20/15	KCA	1	
Dichlorodifluoromethane	21600	D	*194*	194	107000	*959*	959	05/21/15	KCA	960	
Ethanol	1140	D	*127*	127	2150	*239*	239	05/21/15	KCA	240	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	1
Ethylbenzene	2.57		*0.230*	0.230	11.2	*1.00*	1.00	05/20/15	KCA	1	
Heptane	39.9		*0.244*	0.244	163	*1.00*	1.00	05/20/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/20/15	KCA	1	
Hexane	83.1	D	*2.84*	2.84	293	*10.0*	10.0	05/20/15	KCA	10	
Isopropylalcohol	319	D	*4.07*	4.07	784	*10.0*	10.0	05/20/15	KCA	10	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	05/20/15	KCA	1	
m,p-Xylene	1.71		*0.230*	0.230	7.42	*1.00*	1.00	05/20/15	KCA	1	
Methyl Ethyl Ketone	6.42		*0.339*	0.339	18.9	*1.00*	1.00	05/20/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/20/15	KCA	1	
Methylene Chloride	7.02		*0.288*	0.288	24.4	*1.00*	1.00	05/20/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
o-Xylene	0.714		*0.230*	0.230	3.10	*1.00*	1.00	05/20/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/20/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/20/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	05/20/15	KCA	1	
Tetrachloroethene	1.25		*0.037*	0.037	8.47	*0.25*	0.25	05/20/15	KCA	1	
Tetrahydrofuran	5.02		*0.339*	0.339	14.8	*1.00*	1.00	05/20/15	KCA	1	1
Toluene	315	D	*2.66*	2.66	1190	*10.0*	10.0	05/20/15	KCA	10	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/20/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/20/15	KCA	1	
Trichloroethene	1.25		*0.047*	0.047	6.71	*0.25*	0.25	05/20/15	KCA	1	
Trichlorofluoromethane	1100	D	*42.7*	42.7	6180	*240*	240	05/21/15	KCA	240	
Trichlorotrifluoroethane	0.928		*0.131*	0.131	7.11	*1.00*	1.00	05/20/15	KCA	1	
Vinyl Chloride	5.49		*0.098*	0.098	14.0	*0.25*	0.25	05/20/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	122		*%*	%	122	*%*	%	05/20/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-6

Phoenix I.D.: BJ18708

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

June 09, 2015

QA/QC Data

SDG I.D.: GBJ18696

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 308337 (ppbv), QC Sample No: BJ18103 (BJ18696 (1X, 10X) , BJ18697, BJ18698, BJ18699, BJ18701, BJ18702, BJ18703, BJ18705)													
Volatiles													
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	20	
1,1,1-Trichloroethane	ND	0.183	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	20	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	122	ND	ND	ND	ND	NC	70 - 130	20	
1,1-Dichloroethane	ND	0.247	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	20	
1,1-Dichloroethene	ND	0.252	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	20	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	20	
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	107	2.39	2.22	0.486	0.452	7.2	70 - 130	20	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichloroethane	ND	0.247	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20	
1,2-dichloropropane	ND	0.216	ND	1.00	119	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	20	
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	20	
1,3-Butadiene	ND	0.452	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	20	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	113	4.10	3.92	0.683	0.653	4.5	70 - 130	20	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20	
1,4-Dioxane	ND	0.278	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20	
2-Hexanone(MBK)	ND	0.244	ND	1.00	128	ND	ND	ND	ND	NC	70 - 130	20	
4-Ethyltoluene	ND	0.204	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	20	
4-Isopropyltoluene	ND	0.182	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	20	
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	119	ND	ND	ND	ND	NC	70 - 130	20	
Acetone	ND	0.421	ND	1.00	93	1270 S	1200 S	534 S	504 S	5.8	70 - 130	20	
Acrylonitrile	ND	0.461	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	20	
Benzene	ND	0.313	ND	1.00	114	11.0	10.7	3.44	3.36	2.4	70 - 130	20	
Benzyl chloride	ND	0.193	ND	1.00	124	ND	ND	ND	ND	NC	70 - 130	20	
Bromodichloromethane	ND	0.149	ND	1.00	121	ND	ND	ND	ND	NC	70 - 130	20	
Bromoform	ND	0.097	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20	
Bromomethane	ND	0.257	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	20	
Carbon Disulfide	ND	0.321	ND	1.00	117	4.64	4.57	1.49	1.47	1.4	70 - 130	20	
Carbon Tetrachloride	ND	0.040	ND	0.25	96	0.34	0.26	0.054	0.041	27.4	70 - 130	20	r
Chlorobenzene	ND	0.217	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20	
Chloroethane	ND	0.379	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20	
Chloroform	ND	0.205	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	20	
Chloromethane	ND	0.484	ND	1.00	125	ND	ND	ND	ND	NC	70 - 130	20	
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	115	ND	ND	ND	ND	NC	70 - 130	20	
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	20	
Cyclohexane	ND	0.291	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	20	
Dibromochloromethane	ND	0.117	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	20	
Dichlorodifluoromethane	ND	0.202	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	20	

QA/QC Data

SDG I.D.: GBJ18696

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.531	ND	1.00	109	614 S	614 S	326 S	326 S	0.0	70 - 130	20
Ethyl acetate	ND	0.278	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	0.230	ND	1.00	113	1.02	0.96	0.235	0.221	6.1	70 - 130	20
Heptane	ND	0.244	ND	1.00	114	65.9	62.3	16.1	15.2	5.8	70 - 130	20
Hexachlorobutadiene	ND	0.094	ND	1.00	80	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	0.284	ND	1.00	113	1170 S	1140 S	331 S	324 S	2.1	70 - 130	20
Isopropylalcohol	ND	0.407	ND	1.00	107	158 S	157 S	64.4 S	63.8 S	0.9	70 - 130	20
Isopropylbenzene	ND	0.204	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	0.230	ND	1.00	111	3.66	3.12	0.843	0.720	15.7	70 - 130	20
Methyl Ethyl Ketone	ND	0.339	ND	1.00	111	215	210	73.0	71.2	2.5	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	0.277	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	0.288	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	20
n-Butylbenzene	ND	0.182	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	0.230	ND	1.00	109	1.58	1.42	0.363	0.327	10.4	70 - 130	20
Propylene	ND	0.581	ND	1.00	138	ND	ND	ND	ND	NC	70 - 130	20
sec-Butylbenzene	ND	0.182	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	0.235	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	0.037	ND	0.25	112	1.30	1.22	0.192	0.180	6.5	70 - 130	20
Tetrahydrofuran	ND	0.339	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	0.266	ND	1.00	115	5.57	5.35	1.48	1.42	4.1	70 - 130	20
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	121	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	0.047	ND	0.25	112	ND	ND	ND	ND	NC	70 - 130	20
Trichlorofluoromethane	ND	0.178	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	20
Trichlorotrifluoroethane	ND	0.131	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	0.098	ND	0.25	113	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	95	%	95	%	101	111	110	111	110	0.9	70 - 130	20

QA/QC Batch 309560 (ppbv), QC Sample No: BJ18698 (BJ18698 (400X) , BJ18699 (400X) , BJ18700 (200X) , BJ18702 (210X) , BJ18703 (40X) , BJ18705 (10X) , BJ18707 (30X) , BJ18708 (240X, 960X))

Volatiles

1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	125						70 - 130	20
Acetone	ND	0.421	ND	1.00	95						70 - 130	20
Cyclohexane	ND	0.291	ND	1.00	109						70 - 130	20
Dichlorodifluoromethane	ND	0.202	ND	1.00	135						70 - 130	20
Ethanol	ND	0.531	ND	1.00	111						70 - 130	20
Hexane	ND	0.284	ND	1.00	109						70 - 130	20
Isopropylalcohol	ND	0.407	ND	1.00	108						70 - 130	20
Propylene	ND	0.581	ND	1.00	136						70 - 130	20
Trichlorofluoromethane	ND	0.178	ND	1.00	114						70 - 130	20

QA/QC Batch 308578 (ppbv), QC Sample No: BJ18706 (BJ18696 (15X) , BJ18697 (5X, 15X) , BJ18698 (40X) , BJ18699 (40X) , BJ18700 (1X, 10X) , BJ18701 (15X) , BJ18706 (1X, 10X) , BJ18707, BJ18708 (1X, 10X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	0.183	ND	1.00	119	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	0.183	ND	1.00	120	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	0.247	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	0.252	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	112	5.01	4.96	1.02	1.01	1.0	70 - 130	20
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	0.166	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20

QA/QC Data

SDG I.D.: GBJ18696

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,2-Dichloroethane	ND	0.247	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	0.216	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	124	817	880	117	126	7.4	70 - 130	20
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	0.452	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	0.166	ND	1.00	116	4.70	4.49	0.783	0.748	4.6	70 - 130	20
1,4-Dichlorobenzene	ND	0.166	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	0.278	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	0.244	ND	1.00	129	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	0.204	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	0.182	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	122	1.65	1.72	0.403	0.419	3.9	70 - 130	20
Acetone	ND	0.421	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	20
Acrylonitrile	ND	0.461	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	0.313	ND	1.00	115	1.80	1.66	0.564	0.520	8.1	70 - 130	20
Benzyl chloride	ND	0.193	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	0.149	ND	1.00	123	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	0.097	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	0.257	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	0.321	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20
Carbon Tetrachloride	ND	0.040	ND	0.25	113	0.53	0.50	0.085	0.079	7.3	70 - 130	20
Chlorobenzene	ND	0.217	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	0.379	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	0.205	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20
Chloromethane	ND	0.484	ND	1.00	129	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	117	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	0.291	ND	1.00	114	9.8	9.29	2.85	2.70	5.4	70 - 130	20
Dibromochloromethane	ND	0.117	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	0.202	ND	1.00	118	544	544	110	110	0.0	70 - 130	20
Ethanol	ND	0.531	ND	1.00	111	9.26	9.19	4.92	4.88	0.8	70 - 130	20
Ethyl acetate	ND	0.278	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	0.230	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	20
Heptane	ND	0.244	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	20
Hexachlorobutadiene	ND	0.094	ND	1.00	86	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	0.284	ND	1.00	113	65.9	64.1	18.7	18.2	2.7	70 - 130	20
Isopropylalcohol	ND	0.407	ND	1.00	113	1060	1040	433	423	2.3	70 - 130	20
Isopropylbenzene	ND	0.204	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	0.230	ND	1.00	113	3.52	3.14	0.811	0.724	11.3	70 - 130	20
Methyl Ethyl Ketone	ND	0.339	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	0.277	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	0.288	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	20
n-Butylbenzene	ND	0.182	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	0.230	ND	1.00	112	1.26	1.15	0.290	0.266	8.6	70 - 130	20
Propylene	ND	0.581	ND	1.00	138	ND	ND	ND	ND	NC	70 - 130	20
sec-Butylbenzene	ND	0.182	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	0.235	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	0.037	ND	0.25	113	1.47	1.46	0.217	0.216	0.5	70 - 130	20
Tetrahydrofuran	ND	0.339	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	0.266	ND	1.00	116	4.93	4.78	1.31	1.27	3.1	70 - 130	20
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	121	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	0.047	ND	0.25	114	1.04	0.99	0.194	0.185	4.7	70 - 130	20

QA/QC Data

SDG I.D.: GBJ18696

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Trichlorofluoromethane	ND	0.178	ND	1.00	114	1.57	1.56	0.279	0.278	0.4	70 - 130	20
Trichlorotrifluoroethane	ND	0.131	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	0.098	ND	0.25	118	7.82	8.05	3.06	3.15	2.9	70 - 130	20
% Bromofluorobenzene	97	%	97	%	104	113	113	113	113	0.0	70 - 130	20

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 09, 2015

Sample Criteria Exceedences Report

GBJ18696 - HESNY-TUCK

Criteria: CT: AIRIC, AIRRE, I-SVVC, R-SVVC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ18696	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	1390	15.0	91	91	ug/m3
BJ18696	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	0.25	0.0487	0.0487	ug/m3
BJ18696	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	0.25	0.029	0.029	ug/m3
BJ18696	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18696	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18696	$AIR_NYTO15	Chloroform	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	4.37	1.00	3	3	ug/m3
BJ18696	$AIR_NYTO15	Chloroform	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	4.37	1.00	3	3	ug/m3
BJ18696	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18696	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18696	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18696	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18696	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18696	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18696	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18696	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18696	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18696	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18696	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18697	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	285	4.99	91	91	ug/m3
BJ18697	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	1.40	0.25	0.0487	0.0487	ug/m3
BJ18697	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	1.40	0.25	0.029	0.029	ug/m3
BJ18697	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18697	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18697	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18697	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18697	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	10.0	1.00	3.25	3.25	ug/m3
BJ18697	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18697	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18697	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18697	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18697	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18697	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18697	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18697	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18697	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18698	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	41100	400	91	91	ug/m3
BJ18698	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	0.25	0.0487	0.0487	ug/m3
BJ18698	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	0.25	0.029	0.029	ug/m3
BJ18698	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18698	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3

Sample Criteria Exceedences Report

GBJ18696 - HESNY-TUCK

Criteria: CT: AIRIC, AIRRE, I-SVVC, R-SVVC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ18698	$AIR_NYTO15	Chloroform	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	3.95	1.00	3	3	ug/m3
BJ18698	$AIR_NYTO15	Chloroform	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	3.95	1.00	3	3	ug/m3
BJ18698	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18698	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18698	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18698	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18698	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18698	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18698	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18698	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18698	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18698	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18698	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18699	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	13100	400	91	91	ug/m3
BJ18699	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	93.8	0.25	0.0487	0.0487	ug/m3
BJ18699	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	93.8	0.25	0.029	0.029	ug/m3
BJ18699	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18699	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18699	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18699	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18699	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	236	39.9	21.5	21.5	ug/m3
BJ18699	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	236	39.9	3.25	3.25	ug/m3
BJ18699	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18699	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18699	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18699	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18699	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18699	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18699	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18699	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18699	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18700	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	6520	200	91	91	ug/m3
BJ18700	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	20.8	0.25	0.0487	0.0487	ug/m3
BJ18700	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	20.8	0.25	0.029	0.029	ug/m3
BJ18700	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18700	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18700	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18700	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18700	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	3.77	1.00	3.25	3.25	ug/m3
BJ18700	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3

Sample Criteria Exceedences Report

GBJ18696 - HESNY-TUCK

Criteria: CT: AIRIC, AIRRE, I-SVVC, R-SVVC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ18700	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18700	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18700	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18700	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18700	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18700	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18700	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18700	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18701	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	1510	15.0	91	91	ug/m3
BJ18701	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	0.25	0.0487	0.0487	ug/m3
BJ18701	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	0.25	0.029	0.029	ug/m3
BJ18701	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18701	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18701	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18701	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18701	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	3.86	1.00	3.25	3.25	ug/m3
BJ18701	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18701	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18701	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18701	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18701	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18701	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18701	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18701	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18701	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18702	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	23100	210	91	91	ug/m3
BJ18702	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	84.6	0.25	0.0487	0.0487	ug/m3
BJ18702	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	84.6	0.25	0.029	0.029	ug/m3
BJ18702	$AIR_NYTO15	Trichlorofluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	2270	210	370	370	ug/m3
BJ18702	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18702	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18702	$AIR_NYTO15	Cis-1,2-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	20.9	1.00	18	18	ug/m3
BJ18702	$AIR_NYTO15	Chloroform	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	4.06	1.00	3	3	ug/m3
BJ18702	$AIR_NYTO15	Chloroform	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	4.06	1.00	3	3	ug/m3
BJ18702	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18702	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18702	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	68.6	1.00	21.5	21.5	ug/m3
BJ18702	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	68.6	1.00	3.25	3.25	ug/m3
BJ18702	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18702	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3

Sample Criteria Exceedences Report

GBJ18696 - HESNY-TUCK

Criteria: CT: AIRIC, AIRRE, I-SVVC, R-SVVC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ18702	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18702	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18702	$AIR_NYTO15	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	25.6	0.25	5	5	ug/m3
BJ18702	$AIR_NYTO15	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	25.6	0.25	5	5	ug/m3
BJ18702	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18702	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18702	$AIR_NYTO15	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	70.5	0.25	11	11	ug/m3
BJ18702	$AIR_NYTO15	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	70.5	0.25	11	11	ug/m3
BJ18702	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18702	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18702	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18703	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	2900	40.0	91	91	ug/m3
BJ18703	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	0.25	0.0487	0.0487	ug/m3
BJ18703	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	0.25	0.029	0.029	ug/m3
BJ18703	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18703	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18703	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18703	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18703	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18703	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18703	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18703	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18703	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18703	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18703	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18703	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18703	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18705	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	0.33	0.25	0.0487	0.0487	ug/m3
BJ18705	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	0.33	0.25	0.029	0.029	ug/m3
BJ18705	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18705	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18705	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18705	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18705	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18705	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18705	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18705	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18705	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18705	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18705	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3

Sample Criteria Exceedences Report

GBJ18696 - HESNY-TUCK

Criteria: CT: AIRIC, AIRRE, I-SVVC, R-SVVC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ18705	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18705	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18706	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	845	10.0	91	91	ug/m3
BJ18706	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	7.82	0.25	0.0487	0.0487	ug/m3
BJ18706	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	7.82	0.25	0.029	0.029	ug/m3
BJ18706	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18706	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18706	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18706	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18706	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18706	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18706	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18706	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18706	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18706	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18706	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18706	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18706	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18707	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	1360	30.0	91	91	ug/m3
BJ18707	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	0.80	0.25	0.0487	0.0487	ug/m3
BJ18707	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	0.80	0.25	0.029	0.029	ug/m3
BJ18707	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18707	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18707	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18707	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18707	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	29.0	1.00	21.5	21.5	ug/m3
BJ18707	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	29.0	1.00	3.25	3.25	ug/m3
BJ18707	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18707	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18707	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18707	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18707	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18707	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18707	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18707	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18707	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3
BJ18708	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	107000	959	91	91	ug/m3
BJ18708	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	14.0	0.25	0.0487	0.0487	ug/m3
BJ18708	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	14.0	0.25	0.029	0.029	ug/m3
BJ18708	$AIR_NYTO15	Trichlorofluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	6180	240	370	370	ug/m3

Sample Criteria Exceedences Report

GBJ18696 - HESNY-TUCK

Criteria: CT: AIRIC, AIRRE, I-SVVC, R-SVVC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ18708	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ18708	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ18708	$AIR_NYTO15	Chloroform	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	151	1.00	3	3	ug/m3
BJ18708	$AIR_NYTO15	Chloroform	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	151	1.00	3	3	ug/m3
BJ18708	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ18708	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ18708	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	50.1	1.00	21.5	21.5	ug/m3
BJ18708	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	50.1	1.00	3.25	3.25	ug/m3
BJ18708	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ18708	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ18708	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ18708	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ18708	$AIR_NYTO15	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	6.71	0.25	5	5	ug/m3
BJ18708	$AIR_NYTO15	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	6.71	0.25	5	5	ug/m3
BJ18708	$AIR_NYTO15	Toluene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	1190	10.0	584	584	ug/m3
BJ18708	$AIR_NYTO15	Toluene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	1190	10.0	417	417	ug/m3
BJ18708	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ18708	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ18708	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ18708	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ18708	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823
800-827-5426
email: greg@phoenixlabs.com

P.O. # | Page 1 of 2

Data Delivery:
☐ Fax #:
☒ Email: tcarr@hesny.com
☒ Phone #: 914-276-2560

Report to: Tim Carr
Customer: Hes
Address: One Deans Bridge Rd
Somers, NY

Invoice to: 1 Deans Bridge Rd
Somers, NY 10589

Project Name: 109 Marbledale Rd
Tuckahoe, NY

Requested Deliverable:
RCP ☐ ASP CAT B ☒
MCP ☐ NJ Deliverables ☐

Sampled by: RG

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
18696	VP-10	11250	6.0	-30	-6	4495	83.3	~~2:33~~ ~~PM~~	~~3:33~~ ~~PM~~	5/18/15	~~-30~~	-9		X	C		X
18697	VP-2	493	6.0	-30	-5	3410		11:17	12:17		-28	-5					
18698	VP-11	222	6.0	-30	-7	4959		12:46	1:46		-30	-10					
18699	VP-3	488	6.0	-30	-7	5042		12:28	1:28		-30	-9					
18700	VP-5	12858	6.0	-30	-7	4960		12:11	1:11		-30	-8					
18701	VP-8	12871	6.0	-30	-6	5350		1:41	2:41		-30	-7					
18702	VP-7	490	6.0	-30	-6	4995		1:24	2:24		-30	-10					
18703	VP-12	12873	6.0	-30	-8	3415	↓	2:15	3:15	↓	-30	-10					
	6L 1hr ①																

Relinquished by: [signature] | Accepted by: [signature] | Date: 5/19/15 | Time: 1145
[signature] [signature] | 5-19-15 | 15:05

Data Format:
Excel ☒ Equis ☒ GISKey ☐
PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
[signature] [signature] 5/19/15 16:32

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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800-827-5426
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P.O. # | Page 2 of 2

Data Delivery:
☐ Fax #:
☒ Email: tcarr@hesny.com
☒ Phone #: 914-276-2560

Report to: Tim Carr
Customer: HES
Address: 1 Deans Bridge Rd, Somers, NY 10589

Invoice to: 1 Deans Bridge Rd, Somers, NY 10589

Sampled by: RGriffin

Project Name: 109 Marbledale Rd, Tuckahoe, NY

Requested Deliverable: RCP ☐ ASP CAT B ☒
MCP ☐ NJ Deliverables ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
18704	VP-4	362	6.0	-30		5356	83.3	11:53	12:53	5/18/15	-30	-25		X	C		X
18705	VP-1	12864	6.0	-30		5354		11:36	12:36		-29	-8					
18706	VP-105	481	6.0	-30		5352		12:11	1:11		-29	-8					
18707	VP-9	479	6.0	-30		4989		1:58	2:58		-30	-10					
18708	VP-6	11285	6.0	-30		3413	↓	1:07	2:07		-23	-1					
	6L 1hr (2)																

Relinquished by: Tim Carr | Date: 5/19/15 | Time: 1145

Accepted by: [signature] | Date: 5.19.15 | Time: 1505

Data Format: Excel ☒ Equis ☒ GISKey ☐ PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

5/19/15 1632

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date:

Bobbi - Phoenixlabs

From: Tim Carr [tcarr@hesny.com]
Sent: Thursday, May 21, 2015 3:31 PM
To: Bobbi - Phoenixlabs
Cc: Rachel Griffiths
Subject: RE: 109 Marbledale Rd sample problem

Hi Bobbi,

Sounds like a redo. Can you send us another Summa and regulator. We will return the sample (VP-4) next week.

Thanks for the heads up. Have a great holiday.

Tim

Timothy Carr, LEP

HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589
Phone: (914) 276-2560
Fax: (914) 276-2664
Cell: (203) 232-1061
tcarr@hesny.com
www.hesny.com

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-----Original Message-----
From: Bobbi - Phoenixlabs [mailto:bobbi@phoenixlabs.com]
Sent: Thursday, May 21, 2015 3:27 PM
To: Tim Carr; 'Bobbi - Phoenixlabs'
Subject: 109 Marbledale Rd sample problem
Importance: High

Hi Tim ,
Hope you are doing well! The first sample on this chain did not sample. The pressure went out at -30 and came back at -24 indicating the sample must not have actually sampled anything when the regulator was hooked up to it. We can not report results for that first sample, VP-4 (BJ18704)

If you have any questions please let me know Bobbi

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories

587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

PHOENIX
Environmental Laboratories, Inc.

Thursday, July 02, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Sample ID#s: BJ20803 - BJ20810

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

July 02, 2015

SDG I.D.: GBJ20803

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.

Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: HydroEnvironmental Solutions, Inc.

Project: 109 MARBLEDALE RD TUCKAHOE NY

Laboratory Project: GBJ20803

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

July 02, 2015 **SDG I.D.: GBJ20803**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Methodology Summary

Volatiles

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update V, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs)/Pesticides:

Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 608) as printed in 40CFR part 136.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Semi-volatiles analysis

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D (SIM - selective ion monitoring mode).

Sample Id Cross Reference

Client Id	Lab Id	Matrix
MW-104	BJ20803	GROUND WATER
MW-4	BJ20804	GROUND WATER
MW-5	BJ20805	GROUND WATER
MW-6	BJ20806	GROUND WATER
MW-8	BJ20807	GROUND WATER
MW-9	BJ20808	GROUND WATER
FIELD BLANK	BJ20809	GROUND WATER
TRIP BLANK	BJ20810	GROUND WATER

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NY Analytical Services Protocol Format

July 02, 2015 **SDG I.D.: GBJ20803**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

Laboratory Chronicle

The samples in this delivery group were received at 6°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BJ20803	1,4-dioxane	05/21/15	05/27/15	05/27/15	MH	Y
BJ20803	Pesticides	05/21/15	05/27/15	05/28/15	CE	Y
BJ20803	Polychlorinated Biphenyls	05/21/15	05/27/15	05/28/15	AW	Y
BJ20803	Semivolatiles	05/21/15	05/22/15	05/26/15	DD	Y
BJ20803	Volatiles	05/21/15	05/27/15	05/27/15	MH	Y
BJ20804	1,4-dioxane	05/21/15	05/27/15	05/27/15	MH	Y
BJ20804	Pesticides	05/21/15	05/27/15	05/27/15	CE	Y
BJ20804	Polychlorinated Biphenyls	05/21/15	05/27/15	05/28/15	AW	Y
BJ20804	Semivolatiles	05/21/15	05/22/15	05/26/15	DD	Y
BJ20804	Volatiles	05/21/15	05/27/15	05/27/15	MH	Y
BJ20805	1,4-dioxane	05/21/15	05/27/15	05/27/15	MH	Y
BJ20805	Pesticides	05/21/15	05/27/15	05/28/15	CE	Y
BJ20805	Polychlorinated Biphenyls	05/21/15	05/27/15	05/28/15	AW	Y
BJ20805	Semivolatiles	05/21/15	05/22/15	05/26/15	DD	Y
BJ20805	Volatiles	05/21/15	05/27/15	05/27/15	MH	Y
BJ20806	1,4-dioxane	05/21/15	05/27/15	05/27/15	MH	Y
BJ20806	Pesticides	05/21/15	05/27/15	05/28/15	CE	Y
BJ20806	Polychlorinated Biphenyls	05/21/15	05/27/15	05/28/15	AW	Y
BJ20806	Semivolatiles	05/21/15	05/22/15	05/26/15	DD	Y
BJ20806	Volatiles	05/21/15	05/27/15	05/27/15	MH	Y
BJ20807	1,4-dioxane	05/21/15	05/27/15	05/27/15	MH	Y
BJ20807	Pesticides	05/21/15	05/27/15	05/27/15	CE	Y
BJ20807	Polychlorinated Biphenyls	05/21/15	05/27/15	05/28/15	AW	Y
BJ20807	Semivolatiles	05/21/15	05/22/15	05/26/15	DD	Y
BJ20807	Volatiles	05/21/15	05/27/15	05/27/15	MH	Y
BJ20808	1,4-dioxane	05/21/15	05/27/15	05/27/15	MH	Y
BJ20808	Pesticides	05/21/15	05/27/15	05/28/15	CE	Y
BJ20808	Polychlorinated Biphenyls	05/21/15	05/27/15	05/28/15	AW	Y
BJ20808	Semivolatiles	05/21/15	05/22/15	05/26/15	DD	Y
BJ20808	Volatiles	05/21/15	05/27/15	05/27/15	MH	Y
BJ20809	1,4-dioxane	05/21/15	05/27/15	05/27/15	MH	Y
BJ20809	Pesticides	05/21/15	05/27/15	05/27/15	CE	Y

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NY Analytical Services Protocol Format

July 02, 2015 **SDG I.D.: GBJ20803**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD TUCKAHOE NY

BJ20809	Polychlorinated Biphenyls	05/21/15	05/27/15	05/28/15	AW	Y
BJ20809	Semivolatiles	05/21/15	05/22/15	05/26/15	DD	Y
BJ20809	Volatiles	05/21/15	05/27/15	05/27/15	MH	Y
BJ20810	1,4-dioxane	05/21/15	05/27/15	05/27/15	MH	Y
BJ20810	Volatiles	05/21/15	05/27/15	05/27/15	MH	Y

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Analysis Report

July 02, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	RO	05/21/15	11:35
Location Code:	HESNY-TUCK	Received by:	LK	05/22/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ20803
Phoenix ID: BJ20803

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-104

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PCB Extraction (2 Liter)	Completed					05/27/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					05/27/15	L	SW3510C	
Semi-Volatile Extraction	Completed					05/22/15	e/KW	SW3520C	
Pesticides									
4,4' -DDD	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
4,4' -DDE	0.019	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Alachlor	ND	0.077	0.077	ug/L	1	05/28/15	CE	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	05/28/15	CE	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Chlordane	ND	0.05	0.05	ug/L	1	05/28/15	CE	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endrin	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
g-chlordane	ND	0.020	0.020	ug/L	1	05/28/15	CE	SW8081B	
Heptachlor	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	05/28/15	CE	SW8081B	
Toxaphene	ND	0.26	0.26	ug/L	1	05/28/15	CE	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-104

Phoenix I.D.: BJ20803

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates									
%DCBP (Surrogate Rec)	54				%	1	05/28/15	CE	SW8081B
%TCMX (Surrogate Rec)	76				%	1	05/28/15	CE	SW8081B
Polychlorinated Biphenyls									
PCB-1016	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1221	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1232	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1242	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1248	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1254	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1260	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1262	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1268	ND		0.051	0.051	ug/L	1	05/28/15	AW	E608/SW8082A
QA/QC Surrogates									
% DCBP	35				%	1	05/28/15	AW	30 - 150 %
% TCMX	65				%	1	05/28/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	50	ug/l	1	05/27/15	MH	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1,2-Trichloroethane	ND		1	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1-Dichloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	05/27/15	MH	SW8260C
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichloroethane	ND		0.6	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,3-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,4-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
2-Hexanone	ND		2.5	2.5	ug/L	1	05/27/15	MH	SW8260C
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	05/27/15	MH	SW8260C
Acetone	4.1	JS	5.0	2.5	ug/L	1	05/27/15	MH	SW8260C
Benzene	ND		0.70	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromoform	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromomethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloroform	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloromethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-104

Phoenix I.D.: BJ20803

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Cyclohexane	ND	5.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	1.4	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methylacetate	ND	2.5	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methylcyclohexane	ND	2.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	05/27/15	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Toluene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Total Xylenes	ND	0.87	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97			%	1	05/27/15	MH	70 - 130 %	
% Bromofluorobenzene	93			%	1	05/27/15	MH	70 - 130 %	
% Dibromofluoromethane	94			%	1	05/27/15	MH	70 - 130 %	
% Toluene-d8	98			%	1	05/27/15	MH	70 - 130 %	
Volatile Library Search Top 10	Completed					05/28/15	MH		1

Semivolatiles

2,4-Dinitrophenol	ND	1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	05/27/15	D/P	SW8270D	
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
2-Nitroaniline	ND	5.0	5.0	ug/L	1	05/27/15	D/P	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	05/27/15	D/P	SW8270D	
3-Nitroaniline	ND	5.0	11	ug/L	1	05/27/15	D/P	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	05/27/15	D/P	SW8270D	
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
4-Chloroaniline	ND	5.0	2.3	ug/L	1	05/27/15	D/P	SW8270D	
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
4-Nitroaniline	ND	5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
Acenaphthene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Acetophenone	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Benzaldehyde	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-104

Phoenix I.D.: BJ20803

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Caprolactam	ND	5.0	8.9	ug/L	1	05/27/15	D/P	SW8270D	
Carbazole	ND	5.0	3.8	ug/L	1	05/27/15	D/P	SW8270D	
Dibenzofuran	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Diethyl phthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Dimethylphthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Isophorone	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Naphthalene	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	05/27/15	D/P	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	83			%	1	05/27/15	D/P	19 - 122 %	
% 2-Fluorobiphenyl	74			%	1	05/27/15	D/P	30 - 115 %	
% 2-Fluorophenol	61			%	1	05/27/15	D/P	25 - 121 %	
% Nitrobenzene-d5	68			%	1	05/27/15	D/P	23 - 120 %	
% Phenol-d5	60			%	1	05/27/15	D/P	24 - 113 %	
% Terphenyl-d14	60			%	1	05/27/15	D/P	18 - 137 %	
Semivolatiles									
1,1-Biphenyl	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,3,4,6-tetrachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,5-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,6-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dimethylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Chlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Methylphenol (o-cresol)	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Chloro-3-methylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Acenaphthylene	ND	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Anthracene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Atrazine	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benz(a)anthracene	0.06	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Benzo(a)pyrene	0.05	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(b)fluoranthene	0.07	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(k)fluoranthene	0.03	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-chloroethyl)ether	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	1.0	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B
Chrysene	0.05	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluoranthene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluorene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-104

Phoenix I.D.: BJ20803

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachlorobutadiene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachloroethane	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.03	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Nitrobenzene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pentachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenanthrene	0.10	0.05	0.05	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pyrene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	1	05/26/15	D/P	19 - 122 %
% 2-Fluorobiphenyl	73			%	1	05/26/15	D/P	30 - 115 %
% 2-Fluorophenol	62			%	1	05/26/15	D/P	25 - 121 %
% Nitrobenzene-d5	85			%	1	05/26/15	D/P	23 - 120 %
% Phenol-d5	69			%	1	05/26/15	D/P	24 - 113 %
% Terphenyl-d14	103			%	1	05/26/15	D/P	18 - 137 %
SVOA Library Search Top 15	Completed					05/28/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 02, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	RO	05/21/15	11:35
Location Code:	HESNY-TUCK	Received by:	LK	05/22/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ20803
Phoenix ID: BJ20804

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PCB Extraction (2 Liter)	Completed					05/27/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					05/27/15	L	SW3510C	
Semi-Volatile Extraction	Completed					05/22/15	E/KW	SW3520C	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
4,4' -DDE	0.021	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	05/27/15	CE	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	05/27/15	CE	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
Chlordane	ND	0.05	0.05	ug/L	1	05/27/15	CE	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
g-chlordane	ND	0.030	0.030	ug/L	1	05/27/15	CE	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	05/27/15	CE	SW8081B	
Toxaphene	ND	0.25	0.25	ug/L	1	05/27/15	CE	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-4

Phoenix I.D.: BJ20804

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
QA/QC Surrogates										
%DCBP (Surrogate Rec)	22				%	1	05/27/15	CE	SW8081B	
%TCMX (Surrogate Rec)	67				%	1	05/27/15	CE	SW8081B	
Polychlorinated Biphenyls										
PCB-1016	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1221	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1232	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1242	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1248	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1254	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1260	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1262	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1268	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
QA/QC Surrogates										
% DCBP	25				%	1	05/28/15	AW	30 - 150 %	3
% TCMX	67				%	1	05/28/15	AW	30 - 150 %	
1,4-dioxane										
1,4-dioxane	ND		200	100	ug/l	2	05/27/15	MH	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,1,2-Trichloroethane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,1-Dichloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,1-Dichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		1	1.0	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dibromoethane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dichlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dichloroethane	ND		0.6	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dichloropropane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,3-Dichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,4-Dichlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
2-Hexanone	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C	
4-Methyl-2-pentanone	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C	
Acetone	6.8	JS	10	5.0	ug/L	2	05/27/15	MH	SW8260C	
Benzene	ND		0.7	0.50	ug/L	2	05/27/15	MH	SW8260C	
Bromochloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Bromodichloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Bromoform	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Bromomethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Carbon Disulfide	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Carbon tetrachloride	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Chlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Chloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Chloroform	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Chloromethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
cis-1,2-Dichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.5	0.50	ug/L	2	05/27/15	MH	SW8260C	
Cyclohexane	ND		10	1.0	ug/L	2	05/27/15	MH	SW8260C	
Dibromochloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Dichlorodifluoromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Ethylbenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Isopropylbenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
m&p-Xylene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Methyl ethyl ketone	ND		10	5.0	ug/L	2	05/27/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	2.0	J	2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Methylacetate	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C	
Methylcyclohexane	ND		4.0	1.0	ug/L	2	05/27/15	MH	SW8260C	
Methylene chloride	ND		5	2.0	ug/L	2	05/27/15	MH	SW8260C	
o-Xylene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Styrene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Tetrachloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Toluene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Total Xylenes	ND		1.7	0.50	ug/L	2	05/27/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.5	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichlorofluoromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichlorotrifluoroethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Vinyl chloride	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	2	05/27/15	MH	70 - 130 %	
% Bromofluorobenzene	98				%	2	05/27/15	MH	70 - 130 %	
% Dibromofluoromethane	102				%	2	05/27/15	MH	70 - 130 %	
% Toluene-d8	99				%	2	05/27/15	MH	70 - 130 %	
Volatile Library Search Top 10	Completed						05/28/15	MH		1

Semivolatiles

2,4-Dinitrophenol	ND		1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	1	05/27/15	D/P	SW8270D	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
2-Methylnaphthalene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
2-Nitroaniline	ND		5.0	5.0	ug/L	1	05/27/15	D/P	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
3,3'-Dichlorobenzidine	ND		5.0	2.4	ug/L	1	05/27/15	D/P	SW8270D	
3-Nitroaniline	ND		5.0	11	ug/L	1	05/27/15	D/P	SW8270D	
4,6-Dinitro-2-methylphenol	ND		1.0	5.4	ug/L	1	05/27/15	D/P	SW8270D	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
4-Chloroaniline	ND		5.0	2.3	ug/L	1	05/27/15	D/P	SW8270D	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
4-Nitroaniline	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
Acenaphthene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Acetophenone	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Benzaldehyde	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-4

Phoenix I.D.: BJ20804

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Caprolactam	ND	5.0	8.9	ug/L	1	05/27/15	D/P	SW8270D	
Carbazole	ND	5.0	3.8	ug/L	1	05/27/15	D/P	SW8270D	
Dibenzofuran	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Diethyl phthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Dimethylphthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Isophorone	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Naphthalene	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	05/27/15	D/P	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	84			%	1	05/27/15	D/P	19 - 122 %	
% 2-Fluorobiphenyl	68			%	1	05/27/15	D/P	30 - 115 %	
% 2-Fluorophenol	58			%	1	05/27/15	D/P	25 - 121 %	
% Nitrobenzene-d5	67			%	1	05/27/15	D/P	23 - 120 %	
% Phenol-d5	60			%	1	05/27/15	D/P	24 - 113 %	
% Terphenyl-d14	62			%	1	05/27/15	D/P	18 - 137 %	
Semivolatiles									
1,1-Biphenyl	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,3,4,6-tetrachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,5-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,6-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dimethylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Chlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Methylphenol (o-cresol)	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Chloro-3-methylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Acenaphthylene	ND	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Anthracene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Atrazine	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benz(a)anthracene	0.08	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Benzo(a)pyrene	0.07	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(b)fluoranthene	0.11	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(k)fluoranthene	0.04	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-chloroethyl)ether	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	0.89	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B
Chrysene	0.08	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluoranthene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluorene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-4

Phoenix I.D.: BJ20804

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachlorobutadiene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachloroethane	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.04	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Nitrobenzene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pentachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenanthrene	0.16	0.05	0.05	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pyrene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	1	05/26/15	D/P	19 - 122 %
% 2-Fluorobiphenyl	72			%	1	05/26/15	D/P	30 - 115 %
% 2-Fluorophenol	59			%	1	05/26/15	D/P	25 - 121 %
% Nitrobenzene-d5	79			%	1	05/26/15	D/P	23 - 120 %
% Phenol-d5	66			%	1	05/26/15	D/P	24 - 113 %
% Terphenyl-d14	101			%	1	05/26/15	D/P	18 - 137 %
SVOA Library Search Top 15	Completed					05/28/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

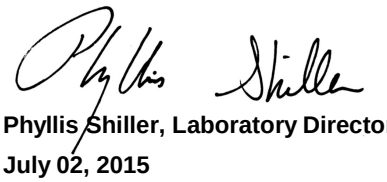
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Volatile Comment:
Elevated reporting limits due to the foamy nature of the sample.

PCB Comment:
Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 02, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	RO	05/21/15	13:10
Location Code:	HESNY-TUCK	Received by:	LK	05/22/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ20803
Phoenix ID: BJ20805

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PCB Extraction (2 Liter)	Completed					05/27/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					05/27/15	L	SW3510C	
Semi-Volatile Extraction	Completed					05/22/15	E/KW	SW3520C	
Pesticides									
4,4' -DDD	0.038	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
4,4' -DDE	0.051	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	05/28/15	C/P	SW8081B	
a-chlordane	ND	0.050	0.050	ug/L	1	05/28/15	C/P	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	05/28/15	C/P	SW8081B	1
Aldrin	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	05/28/15	C/P	SW8081B	
Chlordane	ND	0.05	0.05	ug/L	1	05/28/15	C/P	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	05/28/15	C/P	SW8081B	
Dieldrin	0.012	0.002	0.002	ug/L	1	05/28/15	C/P	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
Endrin	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	05/28/15	C/P	SW8081B	
g-chlordane	ND	0.050	0.050	ug/L	1	05/28/15	C/P	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	05/28/15	C/P	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	05/28/15	C/P	SW8081B	
Toxaphene	ND	0.25	0.25	ug/L	1	05/28/15	C/P	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-5

Phoenix I.D.: BJ20805

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates									
%DCBP (Surrogate Rec)	56				%	1	05/28/15	C/P	SW8081B
%TCMX (Surrogate Rec)	75				%	1	05/28/15	C/P	SW8081B
Polychlorinated Biphenyls									
PCB-1016	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1221	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1232	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1242	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1248	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1254	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1260	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1262	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1268	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
QA/QC Surrogates									
% DCBP	37				%	1	05/28/15	AW	30 - 150 %
% TCMX	57				%	1	05/28/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		200	100	ug/l	2	05/27/15	MH	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
1,1,2-Trichloroethane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C
1,1-Dichloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C
1,1-Dichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND		1	1.0	ug/L	2	05/27/15	MH	SW8260C
1,2-Dibromoethane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C
1,2-Dichlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C
1,2-Dichloroethane	ND		0.5	0.50	ug/L	2	05/27/15	MH	SW8260C
1,2-Dichloropropane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C
1,3-Dichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
1,4-Dichlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C
2-Hexanone	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C
4-Methyl-2-pentanone	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C
Acetone	10	S	10	5.0	ug/L	2	05/27/15	MH	SW8260C
Benzene	ND		0.7	0.50	ug/L	2	05/27/15	MH	SW8260C
Bromochloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Bromodichloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Bromoform	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Bromomethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Carbon Disulfide	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Carbon tetrachloride	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Chlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Chloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Chloroform	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C
Chloromethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
cis-1,2-Dichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.5	0.50	ug/L	2	05/27/15	MH	SW8260C	
Cyclohexane	ND		10	1.0	ug/L	2	05/27/15	MH	SW8260C	
Dibromochloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Dichlorodifluoromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Ethylbenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Isopropylbenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
m&p-Xylene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Methyl ethyl ketone	ND		10	5.0	ug/L	2	05/27/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	3.2		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Methylacetate	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C	
Methylcyclohexane	ND		4.0	1.0	ug/L	2	05/27/15	MH	SW8260C	
Methylene chloride	ND		5	2.0	ug/L	2	05/27/15	MH	SW8260C	
o-Xylene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Styrene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Tetrachloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Toluene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Total Xylenes	ND		1.7	0.50	ug/L	2	05/27/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.5	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichlorofluoromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichlorotrifluoroethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Vinyl chloride	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	2	05/27/15	MH	70 - 130 %	
% Bromofluorobenzene	96				%	2	05/27/15	MH	70 - 130 %	
% Dibromofluoromethane	101				%	2	05/27/15	MH	70 - 130 %	
% Toluene-d8	99				%	2	05/27/15	MH	70 - 130 %	
Volatile Library Search Top 10	Completed						05/28/15	MH		1

Semivolatiles

2,4-Dinitrophenol	ND		1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	1	05/27/15	D/P	SW8270D	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
2-Methylnaphthalene	2.1	J	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
2-Nitroaniline	ND		5.0	5.0	ug/L	1	05/27/15	D/P	SW8270D	
3&4-Methylphenol (m&p-cresol)	100	D	25	4.5	ug/L	5	05/27/15	D/P	SW8270D	
3,3'-Dichlorobenzidine	ND		5.0	2.4	ug/L	1	05/27/15	D/P	SW8270D	
3-Nitroaniline	ND		5.0	11	ug/L	1	05/27/15	D/P	SW8270D	
4,6-Dinitro-2-methylphenol	ND		1.0	1.0	ug/L	1	05/27/15	D/P	SW8270D	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
4-Chloroaniline	ND		5.0	2.3	ug/L	1	05/27/15	D/P	SW8270D	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
4-Nitroaniline	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
Acenaphthene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Acetophenone	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Benzaldehyde	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Caprolactam	ND	5.0	8.9	ug/L	1	05/27/15	D/P	SW8270D	
Carbazole	ND	5.0	3.8	ug/L	1	05/27/15	D/P	SW8270D	
Dibenzofuran	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Diethyl phthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Dimethylphthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Isophorone	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Naphthalene	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	05/27/15	D/P	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	89			%	1	05/27/15	D/P	19 - 122 %	
% 2-Fluorobiphenyl	77			%	1	05/27/15	D/P	30 - 115 %	
% 2-Fluorophenol	70			%	1	05/27/15	D/P	25 - 121 %	
% Nitrobenzene-d5	85			%	1	05/27/15	D/P	23 - 120 %	
% Phenol-d5	72			%	1	05/27/15	D/P	24 - 113 %	
% Terphenyl-d14	55			%	1	05/27/15	D/P	18 - 137 %	
Semivolatiles									
1,1-Biphenyl	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,3,4,6-tetrachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,5-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,6-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dimethylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Chlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Methylphenol (o-cresol)	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Chloro-3-methylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Acenaphthylene	ND	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Anthracene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Atrazine	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benz(a)anthracene	0.05	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Benzo(a)pyrene	0.03	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(b)fluoranthene	0.06	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(k)fluoranthene	0.03	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-chloroethyl)ether	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	0.40	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Chrysene	0.07	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluoranthene	0.22	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluorene	0.53	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-5

Phoenix I.D.: BJ20805

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachlorobutadiene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachloroethane	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Nitrobenzene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pentachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenanthrene	0.52	0.05	0.05	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenol	2.4	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pyrene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	98			%	1	05/26/15	D/P	19 - 122 %
% 2-Fluorobiphenyl	75			%	1	05/26/15	D/P	30 - 115 %
% 2-Fluorophenol	66			%	1	05/26/15	D/P	25 - 121 %
% Nitrobenzene-d5	93			%	1	05/26/15	D/P	23 - 120 %
% Phenol-d5	76			%	1	05/26/15	D/P	24 - 113 %
% Terphenyl-d14	87			%	1	05/26/15	D/P	18 - 137 %
SVOA Library Search Top 15	Completed					05/28/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Volatile Comment:
Elevated reporting limits due to the foamy nature of the sample.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 02, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	RO	05/21/15	12:11
Location Code:	HESNY-TUCK	Received by:	LK	05/22/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ20803
Phoenix ID: BJ20806

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PCB Extraction (2 Liter)	Completed					05/27/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					05/27/15	L	SW3510C	
Semi-Volatile Extraction	Completed					05/22/15	E/KW	SW3520C	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
4,4' -DDE	0.025	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	05/28/15	CE	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	05/28/15	CE	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Chlordane	ND	0.05	0.05	ug/L	1	05/28/15	CE	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endrin	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
g-chlordane	ND	0.020	0.020	ug/L	1	05/28/15	CE	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	05/28/15	CE	SW8081B	
Toxaphene	ND	0.25	0.25	ug/L	1	05/28/15	CE	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-6

Phoenix I.D.: BJ20806

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
QA/QC Surrogates										
%DCBP (Surrogate Rec)	31				%	1	05/28/15	CE	SW8081B	
%TCMX (Surrogate Rec)	89				%	1	05/28/15	CE	SW8081B	
Polychlorinated Biphenyls										
PCB-1016	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1221	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1232	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1242	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1248	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1254	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1260	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1262	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1268	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
QA/QC Surrogates										
% DCBP	27				%	1	05/28/15	AW	30 - 150 %	3
% TCMX	70				%	1	05/28/15	AW	30 - 150 %	
1,4-dioxane										
1,4-dioxane	ND		200	100	ug/l	2	05/27/15	MH	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,1,2-Trichloroethane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,1-Dichloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,1-Dichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		1	1.0	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dibromoethane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dichlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dichloroethane	ND		0.6	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,2-Dichloropropane	ND		1	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,3-Dichlorobenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
1,4-Dichlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
2-Hexanone	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C	
4-Methyl-2-pentanone	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C	
Acetone	8.4	JS	10	5.0	ug/L	2	05/27/15	MH	SW8260C	
Benzene	ND		0.7	0.50	ug/L	2	05/27/15	MH	SW8260C	
Bromochloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Bromodichloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Bromoform	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Bromomethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Carbon Disulfide	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Carbon tetrachloride	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Chlorobenzene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Chloroethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Chloroform	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Chloromethane	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
cis-1,2-Dichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.5	0.50	ug/L	2	05/27/15	MH	SW8260C	
Cyclohexane	ND		10	1.0	ug/L	2	05/27/15	MH	SW8260C	
Dibromochloromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Dichlorodifluoromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Ethylbenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Isopropylbenzene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
m&p-Xylene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Methyl ethyl ketone	ND		10	5.0	ug/L	2	05/27/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	6.1		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Methylacetate	ND		5.0	5.0	ug/L	2	05/27/15	MH	SW8260C	
Methylcyclohexane	ND		4.0	1.0	ug/L	2	05/27/15	MH	SW8260C	
Methylene chloride	ND		5	2.0	ug/L	2	05/27/15	MH	SW8260C	
o-Xylene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Styrene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Tetrachloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Toluene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Total Xylenes	ND		1.7	0.50	ug/L	2	05/27/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND		4.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.5	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichloroethene	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichlorofluoromethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Trichlorotrifluoroethane	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
Vinyl chloride	ND		2.0	0.50	ug/L	2	05/27/15	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	2	05/27/15	MH	70 - 130 %	
% Bromofluorobenzene	98				%	2	05/27/15	MH	70 - 130 %	
% Dibromofluoromethane	99				%	2	05/27/15	MH	70 - 130 %	
% Toluene-d8	100				%	2	05/27/15	MH	70 - 130 %	
Volatile Library Search Top 10	Completed						05/28/15	MH		1

Semivolatiles

2,4-Dinitrophenol	ND		1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	1	05/27/15	D/P	SW8270D	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
2-Methylnaphthalene	1.5	J	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
2-Nitroaniline	ND		5.0	5.0	ug/L	1	05/27/15	D/P	SW8270D	
3&4-Methylphenol (m&p-cresol)	3.6	J	5.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
3,3'-Dichlorobenzidine	ND		5.0	2.4	ug/L	1	05/27/15	D/P	SW8270D	
3-Nitroaniline	ND		5.0	11	ug/L	1	05/27/15	D/P	SW8270D	
4,6-Dinitro-2-methylphenol	ND		1.0	1.0	ug/L	1	05/27/15	D/P	SW8270D	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
4-Chloroaniline	ND		5.0	2.3	ug/L	1	05/27/15	D/P	SW8270D	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
4-Nitroaniline	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
Acenaphthene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Acetophenone	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Benzaldehyde	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Caprolactam	ND	5.0	8.9	ug/L	1	05/27/15	D/P	SW8270D	
Carbazole	ND	5.0	3.8	ug/L	1	05/27/15	D/P	SW8270D	
Dibenzofuran	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Diethyl phthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Dimethylphthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Isophorone	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Naphthalene	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	05/27/15	D/P	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	94			%	1	05/27/15	D/P	19 - 122 %	
% 2-Fluorobiphenyl	71			%	1	05/27/15	D/P	30 - 115 %	
% 2-Fluorophenol	67			%	1	05/27/15	D/P	25 - 121 %	
% Nitrobenzene-d5	70			%	1	05/27/15	D/P	23 - 120 %	
% Phenol-d5	64			%	1	05/27/15	D/P	24 - 113 %	
% Terphenyl-d14	41			%	1	05/27/15	D/P	18 - 137 %	
Semivolatiles									
1,1-Biphenyl	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,3,4,6-tetrachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,5-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,6-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dimethylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Chlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Methylphenol (o-cresol)	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Chloro-3-methylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Acenaphthylene	ND	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Anthracene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Atrazine	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benz(a)anthracene	0.16	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Benzo(a)pyrene	0.11	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(b)fluoranthene	0.17	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(k)fluoranthene	0.06	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-chloroethyl)ether	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	0.57	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Chrysene	0.17	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluoranthene	0.66	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluorene	0.87	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-6

Phoenix I.D.: BJ20806

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachlorobutadiene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachloroethane	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.07	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Nitrobenzene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pentachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenanthrene	1.5	0.05	0.05	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pyrene	0.51	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	98			%	1	05/26/15	D/P	19 - 122 %
% 2-Fluorobiphenyl	79			%	1	05/26/15	D/P	30 - 115 %
% 2-Fluorophenol	60			%	1	05/26/15	D/P	25 - 121 %
% Nitrobenzene-d5	97			%	1	05/26/15	D/P	23 - 120 %
% Phenol-d5	58			%	1	05/26/15	D/P	24 - 113 %
% Terphenyl-d14	85			%	1	05/26/15	D/P	18 - 137 %
SVOA Library Search Top 15	Completed					05/28/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Volatile Comment:
Elevated reporting limits due to the foamy nature of the sample.

PCB Comment:
Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 02, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	RO	05/21/15	13:23
Location Code:	HESNY-TUCK	Received by:	LK	05/22/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ20803
Phoenix ID: BJ20807

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-8

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PCB Extraction (2 Liter)	Completed					05/27/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					05/27/15	L	SW3510C	
Semi-Volatile Extraction	Completed					05/22/15	E/KW	SW3520C	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
4,4' -DDE	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	05/27/15	CE	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	05/27/15	CE	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
Chlordane	ND	0.05	0.05	ug/L	1	05/27/15	CE	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
Dieldrin	ND	0.004	0.004	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	05/27/15	CE	SW8081B	
Toxaphene	ND	0.25	0.25	ug/L	1	05/27/15	CE	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-8

Phoenix I.D.: BJ20807

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates									
%DCBP (Surrogate Rec)	54				%	1	05/27/15	CE	SW8081B
%TCMX (Surrogate Rec)	67				%	1	05/27/15	CE	SW8081B
Polychlorinated Biphenyls									
PCB-1016	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1221	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1232	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1242	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1248	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1254	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1260	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1262	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1268	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
QA/QC Surrogates									
% DCBP	50				%	1	05/28/15	AW	30 - 150 %
% TCMX	67				%	1	05/28/15	AW	30 - 150 %
1,4-dioxane									
1,4-dioxane	ND		100	50	ug/l	1	05/27/15	MH	SW8260C
Volatiles									
1,1,1-Trichloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1,2-Trichloroethane	ND		1	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1-Dichloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1-Dichloroethene	0.37	J	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	05/27/15	MH	SW8260C
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichloroethane	ND		0.6	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,3-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,4-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
2-Hexanone	ND		2.5	2.5	ug/L	1	05/27/15	MH	SW8260C
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	05/27/15	MH	SW8260C
Acetone	ND		5.0	2.5	ug/L	1	05/27/15	MH	SW8260C
Benzene	ND		0.70	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromoform	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromomethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloroform	5.5		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloromethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
cis-1,2-Dichloroethene	2.8		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Cyclohexane	ND		5.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methyl ethyl ketone	ND		5.0	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methylacetate	ND		2.5	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methylcyclohexane	ND		2.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	05/27/15	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Tetrachloroethene	480	D	20	5.0	ug/L	20	05/27/15	MH	SW8260C	
Toluene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Total Xylenes	ND		0.87	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichloroethene	47	D	20	5.0	ug/L	20	05/27/15	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	05/27/15	MH	70 - 130 %	
% Bromofluorobenzene	97				%	1	05/27/15	MH	70 - 130 %	
% Dibromofluoromethane	101				%	1	05/27/15	MH	70 - 130 %	
% Toluene-d8	103				%	1	05/27/15	MH	70 - 130 %	
Volatile Library Search Top 10	Completed						05/28/15	MH		1

Semivolatiles

2,4-Dinitrophenol	ND		1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	1	05/27/15	D/P	SW8270D	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
2-Methylnaphthalene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
2-Nitroaniline	ND		5.0	5.0	ug/L	1	05/27/15	D/P	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		5.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
3,3'-Dichlorobenzidine	ND		5.0	2.4	ug/L	1	05/27/15	D/P	SW8270D	
3-Nitroaniline	ND		5.0	11	ug/L	1	05/27/15	D/P	SW8270D	
4,6-Dinitro-2-methylphenol	ND		1.0	1.0	ug/L	1	05/27/15	D/P	SW8270D	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
4-Chloroaniline	ND		5.0	2.3	ug/L	1	05/27/15	D/P	SW8270D	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
4-Nitroaniline	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
Acenaphthene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Acetophenone	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Benzaldehyde	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND		5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroethoxy)methane	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroisopropyl)ether	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Caprolactam	ND		5.0	8.9	ug/L	1	05/27/15	D/P	SW8270D	
Carbazole	ND		5.0	3.8	ug/L	1	05/27/15	D/P	SW8270D	
Dibenzofuran	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Diethyl phthalate	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Dimethylphthalate	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-butylphthalate	ND		5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-octylphthalate	ND		5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Hexachlorocyclopentadiene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Isophorone	2.3	J	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Naphthalene	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodi-n-propylamine	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodiphenylamine	ND		5.0	1.9	ug/L	1	05/27/15	D/P	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	76				%	1	05/27/15	D/P	19 - 122 %	
% 2-Fluorobiphenyl	66				%	1	05/27/15	D/P	30 - 115 %	
% 2-Fluorophenol	49				%	1	05/27/15	D/P	25 - 121 %	
% Nitrobenzene-d5	51				%	1	05/27/15	D/P	23 - 120 %	
% Phenol-d5	50				%	1	05/27/15	D/P	24 - 113 %	
% Terphenyl-d14	60				%	1	05/27/15	D/P	18 - 137 %	
Semivolatiles										
1,1-Biphenyl	ND		0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
1,2,4,5-Tetrachlorobenzene	ND		0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,3,4,6-tetrachlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,5-Trichlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,6-Trichlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dichlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dimethylphenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Chlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Methylphenol (o-cresol)	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Nitrophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Chloro-3-methylphenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Nitrophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Acenaphthylene	ND		0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Anthracene	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Atrazine	ND		0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benz(a)anthracene	0.02		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Benzo(a)pyrene	ND		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(b)fluoranthene	ND		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(ghi)perylene	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(k)fluoranthene	ND		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-chloroethyl)ether	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	0.71		0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Chrysene	ND		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluoranthene	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluorene	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-8

Phoenix I.D.: BJ20807

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachlorobutadiene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachloroethane	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Nitrobenzene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pentachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenanthrene	ND	0.05	0.05	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pyrene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	1	05/26/15	D/P	19 - 122 %
% 2-Fluorobiphenyl	81			%	1	05/26/15	D/P	30 - 115 %
% 2-Fluorophenol	52			%	1	05/26/15	D/P	25 - 121 %
% Nitrobenzene-d5	68			%	1	05/26/15	D/P	23 - 120 %
% Phenol-d5	52			%	1	05/26/15	D/P	24 - 113 %
% Terphenyl-d14	126			%	1	05/26/15	D/P	18 - 137 %
SVOA Library Search Top 15	Completed					05/28/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 02, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	RO	05/21/15	14:39
Location Code:	HESNY-TUCK	Received by:	LK	05/22/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ20803
Phoenix ID: BJ20808

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-9

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PCB Extraction (2 Liter)	Completed					05/27/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					05/27/15	L	SW3510C	
Semi-Volatile Extraction	Completed					05/22/15	E/KW	SW3520C	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
4,4' -DDE	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	05/28/15	CE	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	05/28/15	CE	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Chlordane	ND	0.05	0.05	ug/L	1	05/28/15	CE	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endrin	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	05/28/15	CE	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	05/28/15	CE	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	05/28/15	CE	SW8081B	
Toxaphene	ND	0.25	0.25	ug/L	1	05/28/15	CE	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-9

Phoenix I.D.: BJ20808

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
QA/QC Surrogates										
%DCBP (Surrogate Rec)	55				%	1	05/28/15	CE	SW8081B	
%TCMX (Surrogate Rec)	Interference				%	1	05/28/15	CE	SW8081B	
Polychlorinated Biphenyls										
PCB-1016	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1221	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1232	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1242	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1248	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1254	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1260	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1262	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
PCB-1268	ND		0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A	
QA/QC Surrogates										
% DCBP	28				%	1	05/28/15	AW	30 - 150 %	3
% TCMX	54				%	1	05/28/15	AW	30 - 150 %	
1,4-dioxane										
1,4-dioxane	ND		100	50	ug/l	1	05/27/15	MH	SW8260C	
Volatiles										
1,1,1-Trichloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,1,2-Trichloroethane	ND		1	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,1-Dichloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,2-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,2-Dichloroethane	ND		0.6	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,3-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
1,4-Dichlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	05/27/15	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	05/27/15	MH	SW8260C	
Acetone	15	S	5.0	2.5	ug/L	1	05/27/15	MH	SW8260C	
Benzene	1.1		0.70	0.25	ug/L	1	05/27/15	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Bromoform	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Bromomethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Chlorobenzene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Chloroethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Chloroform	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Chloromethane	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-9

Phoenix I.D.: BJ20808

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Cyclohexane	ND		5.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Dichlorodifluoromethane	0.92	J	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
m&p-Xylene	0.42	J	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methyl ethyl ketone	3.2	J	5.0	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methylacetate	ND		2.5	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methylcyclohexane	ND		2.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	05/27/15	MH	SW8260C	
o-Xylene	0.33	J	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Tetrachloroethene	8.1		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Toluene	0.84	J	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Total Xylenes	ND		0.87	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND		2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichloroethene	ND		1.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	05/27/15	MH	70 - 130 %	
% Bromofluorobenzene	98				%	1	05/27/15	MH	70 - 130 %	
% Dibromofluoromethane	100				%	1	05/27/15	MH	70 - 130 %	
% Toluene-d8	100				%	1	05/27/15	MH	70 - 130 %	
Volatile Library Search Top 10	Completed						05/28/15	MH		1

Semivolatiles

2,4-Dinitrophenol	ND		1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	1	05/27/15	D/P	SW8270D	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
2-Methylnaphthalene	1.7	J	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
2-Nitroaniline	ND		5.0	5.0	ug/L	1	05/27/15	D/P	SW8270D	
3&4-Methylphenol (m&p-cresol)	5.1		5.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
3,3'-Dichlorobenzidine	ND		5.0	2.4	ug/L	1	05/27/15	D/P	SW8270D	
3-Nitroaniline	ND		5.0	11	ug/L	1	05/27/15	D/P	SW8270D	
4,6-Dinitro-2-methylphenol	ND		1.0	1.0	ug/L	1	05/27/15	D/P	SW8270D	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
4-Chloroaniline	ND		5.0	2.3	ug/L	1	05/27/15	D/P	SW8270D	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
4-Nitroaniline	ND		5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
Acenaphthene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Acetophenone	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Benzaldehyde	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND		5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroethoxy)methane	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroisopropyl)ether	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Caprolactam	ND		5.0	8.9	ug/L	1	05/27/15	D/P	SW8270D	
Carbazole	ND		5.0	3.8	ug/L	1	05/27/15	D/P	SW8270D	
Dibenzofuran	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Diethyl phthalate	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Dimethylphthalate	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-butylphthalate	ND		5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-octylphthalate	ND		5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Hexachlorocyclopentadiene	ND		5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Isophorone	ND		5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Naphthalene	3.6	J	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodi-n-propylamine	ND		5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodiphenylamine	ND		5.0	1.9	ug/L	1	05/27/15	D/P	SW8270D	
Phenol	100	D	25	4.5	ug/L	5	05/28/15	D/P	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	83				%	1	05/27/15	D/P	19 - 122 %	
% 2-Fluorobiphenyl	67				%	1	05/27/15	D/P	30 - 115 %	
% 2-Fluorophenol	53				%	1	05/27/15	D/P	25 - 121 %	
% Nitrobenzene-d5	64				%	1	05/27/15	D/P	23 - 120 %	
% Phenol-d5	59				%	1	05/27/15	D/P	24 - 113 %	
% Terphenyl-d14	45				%	1	05/27/15	D/P	18 - 137 %	
Semivolatiles										
1,1-Biphenyl	ND		0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
1,2,4,5-Tetrachlorobenzene	ND		0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,3,4,6-tetrachlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,5-Trichlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,6-Trichlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dichlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dimethylphenol	1.4		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Chlorophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Methylphenol (o-cresol)	0.57		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Nitrophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Chloro-3-methylphenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Nitrophenol	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Acenaphthylene	ND		0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Anthracene	0.80		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Atrazine	ND		0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benz(a)anthracene	0.68		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B
Benzo(a)pyrene	0.63		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(b)fluoranthene	0.88		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(ghi)perylene	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(k)fluoranthene	0.37		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-chloroethyl)ether	ND		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	0.80		0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B*
Chrysene	0.64		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND		0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluoranthene	2.1		0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: MW-9

Phoenix I.D.: BJ20808

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Fluorene	1.8	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachlorobutadiene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachloroethane	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.36	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Nitrobenzene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pentachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenanthrene	3.5	0.05	0.05	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pyrene	1.7	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	96			%	1	05/26/15	D/P	19 - 122 %
% 2-Fluorobiphenyl	82			%	1	05/26/15	D/P	30 - 115 %
% 2-Fluorophenol	62			%	1	05/26/15	D/P	25 - 121 %
% Nitrobenzene-d5	88			%	1	05/26/15	D/P	23 - 120 %
% Phenol-d5	64			%	1	05/26/15	D/P	24 - 113 %
% Terphenyl-d14	86			%	1	05/26/15	D/P	18 - 137 %
SVOA Library Search Top 15	Completed					05/28/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.
B* = Present in blank, a bias is possible.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

PCB Comment:
Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 02, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	RO	05/21/15	11:00
Location Code:	HESNY-TUCK	Received by:	LK	05/22/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ20803
Phoenix ID: BJ20809

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: FIELD BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
PCB Extraction (2 Liter)	Completed					05/27/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					05/27/15	L	SW3510C	
Semi-Volatile Extraction	Completed					05/22/15	E/KW	SW3520C	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
4,4' -DDE	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	05/27/15	CE	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	05/27/15	CE	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
Chlordane	ND	0.05	0.05	ug/L	1	05/27/15	CE	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
Dieldrin	ND	0.003	0.003	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	05/27/15	CE	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	05/27/15	CE	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	05/27/15	CE	SW8081B	
Toxaphene	ND	0.25	0.25	ug/L	1	05/27/15	CE	SW8081B	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: FIELD BLANK

Phoenix I.D.: BJ20809

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates								
%DCBP (Surrogate Rec)	78			%	1	05/27/15	CE	SW8081B
%TCMX (Surrogate Rec)	63			%	1	05/27/15	CE	SW8081B
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1221	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1232	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1242	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1248	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1254	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1260	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1262	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
PCB-1268	ND	0.050	0.050	ug/L	1	05/28/15	AW	E608/SW8082A
QA/QC Surrogates								
% DCBP	63			%	1	05/28/15	AW	30 - 150 %
% TCMX	57			%	1	05/28/15	AW	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	05/27/15	MH	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1,2-Trichloroethane	ND	1	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1-Dichloroethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	05/27/15	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichloroethane	ND	0.6	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	05/27/15	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	05/27/15	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	05/27/15	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromomethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chlorobenzene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloroethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloroform	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Chloromethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: FIELD BLANK

Phoenix I.D.: BJ20809

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Cyclohexane	ND	5.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methylacetate	ND	2.5	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methylcyclohexane	ND	2.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	05/27/15	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Toluene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Total Xylenes	ND	0.87	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	05/27/15	MH	70 - 130 %	
% Bromofluorobenzene	98			%	1	05/27/15	MH	70 - 130 %	
% Dibromofluoromethane	105			%	1	05/27/15	MH	70 - 130 %	
% Toluene-d8	99			%	1	05/27/15	MH	70 - 130 %	
Volatile Library Search Top 10	Completed					05/28/15	MH		1

Semivolatiles

2,4-Dinitrophenol	ND	1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	05/27/15	D/P	SW8270D	
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
2-Nitroaniline	ND	5.0	5.0	ug/L	1	05/27/15	D/P	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	1.0	0.90	ug/L	1	05/27/15	D/P	SW8270D	
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	05/27/15	D/P	SW8270D	
3-Nitroaniline	ND	5.0	11	ug/L	1	05/27/15	D/P	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	05/27/15	D/P	SW8270D	
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
4-Chloroaniline	ND	5.0	2.3	ug/L	1	05/27/15	D/P	SW8270D	
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
4-Nitroaniline	ND	5.0	1.7	ug/L	1	05/27/15	D/P	SW8270D	
Acenaphthene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Acetophenone	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Benzaldehyde	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: FIELD BLANK

Phoenix I.D.: BJ20809

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Caprolactam	ND	5.0	8.9	ug/L	1	05/27/15	D/P	SW8270D	
Carbazole	ND	5.0	3.8	ug/L	1	05/27/15	D/P	SW8270D	
Dibenzofuran	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Diethyl phthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Dimethylphthalate	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	05/27/15	D/P	SW8270D	
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	05/27/15	D/P	SW8270D	
Isophorone	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
Naphthalene	ND	5.0	1.4	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	05/27/15	D/P	SW8270D	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	05/27/15	D/P	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	75			%	1	05/27/15	D/P	19 - 122 %	
% 2-Fluorobiphenyl	60			%	1	05/27/15	D/P	30 - 115 %	
% 2-Fluorophenol	49			%	1	05/27/15	D/P	25 - 121 %	
% Nitrobenzene-d5	50			%	1	05/27/15	D/P	23 - 120 %	
% Phenol-d5	47			%	1	05/27/15	D/P	24 - 113 %	
% Terphenyl-d14	62			%	1	05/27/15	D/P	18 - 137 %	
Semivolatiles									
1,1-Biphenyl	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,3,4,6-tetrachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,5-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4,6-Trichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dichlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2,4-Dimethylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Chlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Methylphenol (o-cresol)	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
2-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Chloro-3-methylphenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
4-Nitrophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Acenaphthylene	ND	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Anthracene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Atrazine	ND	0.50	0.50	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-chloroethyl)ether	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	0.30	0.30	ug/L	1	05/26/15	D/P	SW8270D (SIM)	B
Chrysene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluoranthene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	
Fluorene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)	

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: FIELD BLANK

Phoenix I.D.: BJ20809

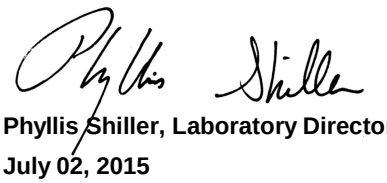
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachlorobutadiene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Hexachloroethane	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Nitrobenzene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pentachlorophenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenanthrene	ND	0.05	0.05	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Phenol	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
Pyrene	ND	0.20	0.20	ug/L	1	05/26/15	D/P	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	104			%	1	05/26/15	D/P	19 - 122 %
% 2-Fluorobiphenyl	72			%	1	05/26/15	D/P	30 - 115 %
% 2-Fluorophenol	48			%	1	05/26/15	D/P	25 - 121 %
% Nitrobenzene-d5	61			%	1	05/26/15	D/P	23 - 120 %
% Phenol-d5	47			%	1	05/26/15	D/P	24 - 113 %
% Terphenyl-d14	125			%	1	05/26/15	D/P	18 - 137 %
SVOA Library Search Top 15	Completed					05/28/15	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 02, 2015
Reviewed and Released by: Tina Covensky

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	RO	05/21/15	8:00
Location Code:	HESNY-TUCK	Received by:	LK	05/22/15	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ20803
Phoenix ID: BJ20810

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	05/27/15	MH	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1,2-Trichloroethane	ND	1	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1-Dichloroethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	05/27/15	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichloroethane	ND	0.6	0.25	ug/L	1	05/27/15	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	05/27/15	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	05/27/15	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	05/27/15	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Bromomethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK

Phoenix I.D.: BJ20810

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Chlorobenzene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Chloroethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Chloroform	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Chloromethane	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Cyclohexane	ND	5.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Methylacetate	ND	2.5	2.5	ug/L	1	05/27/15	MH	SW8260C	
Methylcyclohexane	ND	2.0	0.50	ug/L	1	05/27/15	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	05/27/15	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Toluene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Total Xylenes	ND	0.87	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	05/27/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	05/27/15	MH	70 - 130 %	
% Bromofluorobenzene	98			%	1	05/27/15	MH	70 - 130 %	
% Dibromofluoromethane	102			%	1	05/27/15	MH	70 - 130 %	
% Toluene-d8	100			%	1	05/27/15	MH	70 - 130 %	
Volatile Library Search Top 10	Completed					05/28/15	MH		1

Project ID: 109 MARBLEDALE RD TUCKAHOE NY
Client ID: TRIP BLANK

Phoenix I.D.: BJ20810

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

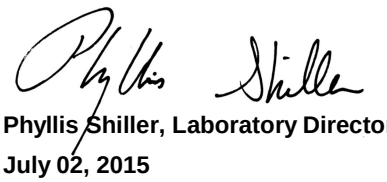
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

TRIP BLANK INCLUDED.

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Phyllis Shiller, Laboratory Director
July 02, 2015
Reviewed and Released by: Tina Covensky

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-104

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20803

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S10.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 100 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000075-45-6	Difluorochloromethane	1.216	4.3	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-4

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20804

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S11.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 100 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 2

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000075-45-6	Difluorochloromethane	1.216	4.1	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: BJ20805 BLANK

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20805 BLANK

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S09.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 0 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-5

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20805

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S12.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 100 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 2

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000075-45-6	Difluorochloromethane	1.211	28	JN
000060-29-7	Ethyl ether	1.928	2.7	JN
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.397	3.2	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.628	2.8	JN
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	8.769	2.2	JN
	unknown	8.873	2.8	JN
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	8.879	4.8	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-6

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20806

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S13.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 100 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 2

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000075-45-6	Difluorochloromethane	1.216	17	JN

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-8

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20807

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S14.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 100 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-9

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20808

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S15.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 100 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000115-11-7	1-Propene, 2-methyl-	1.326	1.3	JN
000593-70-4	Methane, chlorofluoro-	1.378	31	JN
000074-93-1	Methanethiol	1.499	1	JN
000075-43-4	Fluorodichloromethane	1.766	6.9	JN
000060-29-7	Ethyl ether	1.928	4.7	JN
000075-18-3	Dimethyl sulfide	2.205	3.8	JN
95-63-6	1,2,4-Trimethylbenzene	7.796	0.39	

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FIELD BLANK

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20809

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S16.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 100 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TRIP BLANK

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20810

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0527S17.D

Level: (low/med) Date Received: 05/22/15

% Moisture: not dec. 100 Date Analyzed: 05/27/15

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-104

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20803

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0527_14.D

Level: (low/med) Low Date Received: 05/22/15

% Moisture: not dec. 100 decanted:(Y/N) NA Date Extracted: 05/27/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/27/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.450	60	JN
	Unknown	4.470	55	JN
	Unknown	5.080	53	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-4

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20804

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0527_15.D

Level: (low/med) Low Date Received: 05/22/15

% Moisture: not dec. 100 decanted:(Y/N) NA Date Extracted: 05/27/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/27/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.400	4.6	JN
	Unknown	4.430	11	JN
	Unknown	5.060	6.4	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 05-22-15 BLANK

Lab Name: Phoenix Environmental Labs Client: HYDROCON

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20675

Matrix:(soil/water) WATER Lab Sample ID: BJ20805 BLANK

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0527_03.D

Level: (low/med) Low Date Received: 05/22/15

% Moisture: not dec. 0 decanted:(Y/N) NA Date Extracted: 05/22/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/27/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	unknown	4.421	45	JN
	unknown	5.038	13	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-5

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20805

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0527_12.D

Level: (low/med) Low Date Received: 05/22/15

% Moisture: not dec. 100 decanted:(Y/N) NA Date Extracted: 05/27/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/27/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 5

Injection Volume: 2 (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.020	35	JN
	Unknown	5.000	28	JN
	Unknown	5.280	79	JN
002613-89-0	Propanedioic acid, phenyl-	10.030	54	JN
	Unknown	10.630	22	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-6

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20806

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0527_16.D

Level: (low/med) Low Date Received: 05/22/15

% Moisture: not dec. 100 decanted:(Y/N) NA Date Extracted: 05/27/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/27/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.430	5	JN
	Unknown	5.070	32	JN
	Unknown	10.040	4.6	JN
	Unknown	12.580	5.8	JN
	Unknown	22.240	7.1	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-8

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20807

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0527_17.D

Level: (low/med) Low Date Received: 05/22/15

% Moisture: not dec. 100 decanted:(Y/N) NA Date Extracted: 05/27/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/27/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000141-79-7	3-Penten-2-one, 4-methyl-	4.520	29	JN
025414-22-6	Furan, 2-methoxy-	4.550	59	JN
000127-18-4	Ethene, tetrachloro-	4.620	54	JN
	Ethene, tetrachloro- Isomer	4.670	130	JN
	Unknown	5.070	6.5	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: MW-9

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20808

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0527_18.D

Level: (low/med) Low Date Received: 05/22/15

% Moisture: not dec. 100 decanted:(Y/N) NA Date Extracted: 05/27/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/27/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.410	9.4	JN
	Unknown	5.060	41	JN
	Unknown	5.680	4.7	JN
000103-82-2	Benzeneacetic acid	10.160	83	JN
000131-69-1	Benzoic acid, 2-[[[4-[(acetylamino	10.860	4.5	JN
000501-52-0	Benzenepropanoic acid	10.960	13	JN
	Unknown	11.830	6.3	JN
041446-66-6	5-Tetradecene, (E)-	12.190	4.1	JN
	Unknown	13.010	4	JN
	Unknown	17.490	130	JN
000050-33-9	Phenylbutazone	18.890	9.8	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

FIELD BLANK

Lab Name: Phoenix Environmental Labs Client: HESNY-TUCK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBJ20803

Matrix:(soil/water) WATER Lab Sample ID: BJ20809

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0527_19.D

Level: (low/med) Low Date Received: 05/22/15

% Moisture: not dec. 100 decanted:(Y/N) NA Date Extracted: 05/27/15

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/27/2015

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.430	6	JN
010574-37-5	2-Pentene, 2,3-dimethyl-	4.520	16	JN
000141-79-7	3-Penten-2-one, 4-methyl-	4.550	33	JN
	Unknown	5.060	8.5	JN

FORM I SEMIVOA-TIC

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 02, 2015

QA/QC Data

SDG I.D.: GBJ20803

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 309020 (ug/L), QC Sample No: BJ20805 (BJ20803, BJ20804, BJ20805, BJ20806, BJ20807, BJ20808, BJ20809)											
Pesticides - Ground Water											
4,4' -DDD	ND	0.003	99	98	1.0	96	115	18.0	30 - 150	20	
4,4' -DDE	ND	0.003	90	89	1.1	121	113	6.8	30 - 150	20	
4,4' -DDT	ND	0.003	94	90	4.3	108	94	13.9	30 - 150	20	
a-BHC	ND	0.005	95	97	2.1	109	116	6.2	30 - 150	20	
a-Chlordane	ND	0.005	96	96	0.0	108	107	0.9	30 - 150	20	
Alachlor	ND	0.005	NA	NA	NC	NA	NA	NC	30 - 150	20	
Aldrin	ND	0.002	69	72	4.3	98	97	1.0	30 - 150	20	
b-BHC	ND	0.005	101	102	1.0	95	101	6.1	30 - 150	20	
Chlordane	ND	0.050	98	96	2.1	108	119	9.7	30 - 150	20	
d-BHC	ND	0.005	92	91	1.1	112	108	3.6	30 - 150	20	
Dieldrin	ND	0.002	93	90	3.3	108	100	7.7	30 - 150	20	
Endosulfan I	ND	0.005	103	100	3.0	98	102	4.0	30 - 150	20	
Endosulfan II	ND	0.005	99	97	2.0	106	106	0.0	30 - 150	20	
Endosulfan sulfate	ND	0.005	88	86	2.3	99	96	3.1	30 - 150	20	
Endrin	ND	0.005	102	101	1.0	105	111	5.6	30 - 150	20	
Endrin aldehyde	ND	0.005	110	106	3.7	70	75	6.9	30 - 150	20	
Endrin ketone	ND	0.005	106	104	1.9	122	120	1.7	30 - 150	20	
g-BHC	ND	0.002	100	96	4.1	107	109	1.9	30 - 150	20	
g-Chlordane	ND	0.005	98	96	2.1	108	119	9.7	30 - 150	20	
Heptachlor	ND	0.005	83	82	1.2	91	89	2.2	30 - 150	20	
Heptachlor epoxide	ND	0.005	98	97	1.0	81	106	26.7	30 - 150	20	r
Methoxychlor	ND	0.005	91	89	2.2	84	103	20.3	30 - 150	20	
Toxaphene	ND	0.20	NA	NA	NC	NA	NA	NC	30 - 150	20	
% DCBP	62	%	74	65	12.9	104	65	46.2	30 - 150	20	r
% TCMX	64	%	78	82	5.0	111	110	0.9	30 - 150	20	
QA/QC Batch 309019 (ug/L), QC Sample No: BJ20805 (BJ20803, BJ20804, BJ20805, BJ20806, BJ20807, BJ20808, BJ20809)											
Polychlorinated Biphenyls - Ground Water											
PCB-1016	ND	0.050	106	100	5.8	117	104	11.8	30 - 120	20	
PCB-1221	ND	0.050							30 - 150	20	
PCB-1232	ND	0.050							30 - 150	20	
PCB-1242	ND	0.050							30 - 150	20	
PCB-1248	ND	0.050							30 - 150	20	
PCB-1254	ND	0.050							30 - 150	20	
PCB-1260	ND	0.050	112	108	3.6	82	71	14.4	30 - 150	20	
PCB-1262	ND	0.050							30 - 150	20	
PCB-1268	ND	0.050							30 - 150	20	
% DCBP (Surrogate Rec)	53	%	63	55	13.6	31	41	27.8	30 - 150	20	r
% TCMX (Surrogate Rec)	58	%	85	76	11.2	86	78	9.8	30 - 150	20	

QA/QC Data

SDG I.D.: GBJ20803

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 309094 (ug/L), QC Sample No: BJ20805 (BJ20803, BJ20804 (2X) , BJ20805 (2X) , BJ20806 (2X) , BJ20807 (1X, 20X) , BJ20808, BJ20809, BJ20810)											
Volatiles - Ground Water											
1,1,1-Trichloroethane	ND	1.0	96	93	3.2	89	100	11.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	85	98	14.2	86	96	11.0	70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	79	95	18.4	86	100	15.1	70 - 130	30	
1,1-Dichloroethane	ND	1.0	90	90	0.0	83	97	15.6	70 - 130	30	
1,1-Dichloroethene	ND	1.0	99	97	2.0	85	94	10.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	90	108	18.2	103	119	14.4	70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	91	101	10.4	92	105	13.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	84	101	18.4	97	115	17.0	70 - 130	30	
1,2-Dibromoethane	ND	1.0	84	96	13.3	87	98	11.9	70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	89	93	4.4	86	95	9.9	70 - 130	30	
1,2-Dichloroethane	ND	1.0	82	94	13.6	86	98	13.0	70 - 130	30	
1,2-Dichloropropane	ND	1.0	86	93	7.8	85	97	13.2	70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	91	93	2.2	81	90	10.5	70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	90	90	0.0	81	92	12.7	70 - 130	30	
1,4-dioxane	ND	100	127	130	2.3	93	101	8.2	70 - 130	30	
2-Hexanone	ND	5.0	87	112	25.1	100	114	13.1	70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	83	111	28.9	99	112	12.3	70 - 130	30	
Acetone	ND	5.0	72	98	30.6	59	70	17.1	70 - 130	30	m,r
Benzene	ND	0.70	92	91	1.1	86	98	13.0	70 - 130	30	
Bromochloromethane	ND	1.0	86	97	12.0	85	97	13.2	70 - 130	30	
Bromodichloromethane	ND	0.50	89	99	10.6	85	100	16.2	70 - 130	30	
Bromoform	ND	1.0	85	106	22.0	86	97	12.0	70 - 130	30	
Bromomethane	ND	1.0	96	90	6.5	36	53	38.2	70 - 130	30	m,r
Carbon Disulfide	ND	1.0	108	101	6.7	88	100	12.8	70 - 130	30	
Carbon tetrachloride	ND	1.0	101	100	1.0	91	100	9.4	70 - 130	30	
Chlorobenzene	ND	1.0	91	90	1.1	84	95	12.3	70 - 130	30	
Chloroethane	ND	1.0	89	85	4.6	84	94	11.2	70 - 130	30	
Chloroform	ND	1.0	88	90	2.2	84	97	14.4	70 - 130	30	
Chloromethane	ND	1.0	86	85	1.2	78	93	17.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	90	88	2.2	85	98	14.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	90	99	9.5	86	98	13.0	70 - 130	30	
Dibromochloromethane	ND	0.50	91	105	14.3	87	100	13.9	70 - 130	30	
Dichlorodifluoromethane	ND	1.0	102	103	1.0	93	95	2.1	70 - 130	30	
Ethylbenzene	ND	1.0	97	92	5.3	84	96	13.3	70 - 130	30	
Isopropylbenzene	ND	1.0	99	86	14.1	85	87	2.3	70 - 130	30	
m&p-Xylene	ND	1.0	95	89	6.5	83	94	12.4	70 - 130	30	
Methyl ethyl ketone	ND	5.0	76	102	29.2	98	106	7.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	80	103	25.1	91	102	11.4	70 - 130	30	
Methylcyclohexane	ND	1.0	100	100	0.0	87	90	3.4	70 - 130	30	
Methylene chloride	ND	1.0	78	83	6.2	73	85	15.2	70 - 130	30	
o-Xylene	ND	1.0	92	91	1.1	85	97	13.2	70 - 130	30	
Styrene	ND	1.0	91	93	2.2	86	97	12.0	70 - 130	30	
Tetrachloroethene	ND	1.0	95	91	4.3	84	95	12.3	70 - 130	30	
Toluene	ND	1.0	90	77	15.6	85	96	12.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	99	95	4.1	84	97	14.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	86	103	18.0	86	99	14.1	70 - 130	30	
Trichloroethene	ND	1.0	93	91	2.2	83	95	13.5	70 - 130	30	
Trichlorofluoromethane	ND	1.0	100	98	2.0	89	93	4.4	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	106	106	0.0	84	88	4.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBJ20803

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Vinyl chloride	ND	1.0	99	98	1.0	82	92	11.5	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	99	101	2.0	105	103	1.9	70 - 130	30	
% Bromofluorobenzene	99	%	97	101	4.0	101	102	1.0	70 - 130	30	
% Dibromofluoromethane	100	%	97	103	6.0	104	106	1.9	70 - 130	30	
% Toluene-d8	101	%	99	98	1.0	100	102	2.0	70 - 130	30	
QA/QC Batch 308752 (ug/L), QC Sample No: BJ20805 (BJ20803, BJ20804, BJ20805, BJ20806, BJ20807, BJ20808, BJ20809)											
Semivolatiles - Ground Water											
1,2,4,5-Tetrachlorobenzene	ND	0.50	72	69	4.3	94	89	5.5	30 - 130	20	
2,4,5-Trichlorophenol	ND	1.0	102	97	5.0	108	107	0.9	30 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	97	92	5.3	100	96	4.1	30 - 130	20	
2,4-Dichlorophenol	ND	1.0	68	68	0.0	104	102	1.9	30 - 130	20	
2,4-Dimethylphenol	ND	1.0	65	62	4.7	93	99	6.3	30 - 130	20	
2,4-Dinitrophenol	ND	1.0	73	79	7.9	81	72	11.8	30 - 130	20	
2,4-Dinitrotoluene	ND	3.5	93	92	1.1	100	117	15.7	30 - 130	20	
2,6-Dinitrotoluene	ND	3.5	86	90	4.5	101	100	1.0	30 - 130	20	
2-Chloronaphthalene	ND	3.5	77	76	1.3	93	88	5.5	30 - 130	20	
2-Chlorophenol	ND	1.0	47	51	8.2	81	82	1.2	30 - 130	20	
2-Methylnaphthalene	ND	0.05	73	72	1.4	99	93	6.3	30 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	63	69	9.1	90	86	4.5	30 - 130	20	
2-Nitroaniline	ND	3.5	121	115	5.1	85	95	11.1	30 - 130	20	
2-Nitrophenol	ND	1.0	59	57	3.4	95	86	9.9	30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	1.0	69	76	9.7	NC	NC	NC	30 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	57	56	1.8	<10	<10	NC	30 - 130	20	m
3-Nitroaniline	ND	5.0	96	104	8.0	62	66	6.3	30 - 130	20	
4,6-Dinitro-2-methylphenol	ND	1.0	84	86	2.4	74	80	7.8	30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	88	93	5.5	88	92	4.4	30 - 130	20	
4-Chloro-3-methylphenol	ND	1.0	83	85	2.4	123	111	10.3	30 - 130	20	
4-Chloroaniline	ND	3.5	70	68	2.9	45	46	2.2	30 - 130	20	
4-Chlorophenyl phenyl ether	ND	1.0	97	92	5.3	94	108	13.9	30 - 130	20	
4-Nitroaniline	ND	5.0	83	89	7.0	103	108	4.7	30 - 130	20	
4-Nitrophenol	ND	1.0	84	90	6.9	81	78	3.8	30 - 130	20	
Acenaphthene	ND	0.05	80	82	2.5	94	92	2.2	30 - 130	20	
Acenaphthylene	ND	0.02	75	85	12.5	87	84	3.5	30 - 130	20	
Acetophenone	ND	5.0	64	70	9.0	102	107	4.8	30 - 130	20	
Anthracene	ND	0.02	84	86	2.4	92	92	0.0	30 - 130	20	
Benz(a)anthracene	0.02	0.02	90	92	2.2	90	87	3.4	30 - 130	20	
Benzaldehyde	ND	5.0	113	119	5.2				30 - 130	20	
Benzo(a)pyrene	ND	0.02	82	79	3.7	75	74	1.3	30 - 130	20	
Benzo(b)fluoranthene	ND	0.02	92	84	9.1	83	82	1.2	30 - 130	20	
Benzo(ghi)perylene	ND	0.02	83	86	3.6	86	74	15.0	30 - 130	20	
Benzo(k)fluoranthene	ND	0.02	91	91	0.0	86	84	2.4	30 - 130	20	
Benzyl butyl phthalate	ND	3.5	86	88	2.3	83	80	3.7	30 - 130	20	
Bis(2-chloroethoxy)methane	ND	3.5	66	67	1.5	95	93	2.1	30 - 130	20	
Bis(2-chloroethyl)ether	ND	1.0	41	46	11.5	76	75	1.3	30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	1.0	45	51	12.5	72	74	2.7	30 - 130	20	
Bis(2-ethylhexyl)phthalate	0.08	0.05	99	99	0.0	99	99	0.0	30 - 130	20	
Carbazole	ND	5.0	109	115	5.4	132	113	15.5	30 - 130	20	m
Chrysene	ND	0.02	93	95	2.1	89	89	0.0	30 - 130	20	
Dibenz(a,h)anthracene	ND	0.01	88	90	2.2	89	85	4.6	30 - 130	20	
Dibenzofuran	ND	3.5	91	91	0.0	96	104	8.0	30 - 130	20	
Diethyl phthalate	ND	3.5	94	91	3.2	104	120	14.3	30 - 130	20	
Dimethylphthalate	ND	3.5	85	86	1.2	99	100	1.0	30 - 130	20	

QA/QC Data

SDG I.D.: GBJ20803

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Di-n-butylphthalate	ND	3.5	94	100	6.2	86	81	6.0	30 - 130	20	
Di-n-octylphthalate	ND	3.5	89	104	15.5	104	101	2.9	30 - 130	20	
Fluoranthene	ND	0.04	83	78	6.2	75	65	14.3	30 - 130	20	
Fluorene	ND	0.05	97	91	6.4	101	111	9.4	30 - 130	20	
Hexachlorobenzene	ND	0.02	91	98	7.4	87	87	0.0	30 - 130	20	
Hexachlorobutadiene	ND	0.05	49	47	4.2	85	80	6.1	30 - 130	20	
Hexachlorocyclopentadiene	ND	3.5	33	35	5.9	24	19	23.3	30 - 130	20	m,r
Hexachloroethane	ND	0.05	46	47	2.2	77	79	2.6	30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	0.02	86	87	1.2	88	82	7.1	30 - 130	20	
Isophorone	ND	3.5	67	66	1.5	86	89	3.4	30 - 130	20	
Naphthalene	ND	0.05	58	59	1.7	103	101	2.0	30 - 130	20	
Nitrobenzene	ND	0.05	57	61	6.8	92	86	6.7	30 - 130	20	
N-Nitrosodimethylamine	ND	0.05	45	52	14.4	65	66	1.5	30 - 130	20	
N-Nitrosodi-n-propylamine	ND	3.5	68	77	12.4	93	100	7.3	30 - 130	20	
N-Nitrosodiphenylamine	ND	3.5	83	84	1.2	115	126	9.1	30 - 130	20	
Pentachlorophenol	ND	0.30	87	91	4.5	122	107	13.1	30 - 130	20	
Phenanthrene	ND	0.05	87	91	4.5	102	101	1.0	30 - 130	20	
Phenol	ND	1.0	53	60	12.4	81	80	1.2	30 - 130	20	
Pyrene	ND	0.02	84	79	6.1	72	63	13.3	30 - 130	20	
% 2,4,6-Tribromophenol	96	%	90	100	10.5	118	117	0.9	30 - 130	20	
% 2-Fluorobiphenyl	72	%	86	80	7.2	88	84	4.7	30 - 115	20	
% 2-Fluorophenol	53	%	39	42	7.4	73	72	1.4	30 - 130	20	
% Nitrobenzene-d5	72	%	55	58	5.3	85	84	1.2	23 - 120	20	
% Phenol-d5	51	%	54	60	10.5	82	80	2.5	30 - 130	20	
% Terphenyl-d14	99	%	101	86	16.0	71	62	13.5	18 - 137	20	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 02, 2015

Sample Criteria Exceedences Report

GBJ20803 - HESNY-TUCK

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ20803	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BJ20803	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BJ20803	$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.019	0.010	0.01	0.01	ug/L
BJ20803	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.26	0.06	0.06	ug/L
BJ20803	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.07	0.02	0.002	0.002	ug/L
BJ20803	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BJ20804	$DP8260_TCL	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.5	0.4	0.4	ug/L
BJ20804	$DP8260_TCL	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.5	0.4	0.4	ug/L
BJ20804	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.0006	0.0006	ug/L
BJ20804	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.04	0.04	ug/L
BJ20804	$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.021	0.005	0.01	0.01	ug/L
BJ20804	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BJ20804	$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.08	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.11	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.08	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.08	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.08	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.11	0.02	0.002	0.002	ug/L
BJ20804	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BJ20805	$DP8260_TCL	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.5	0.4	0.4	ug/L
BJ20805	$DP8260_TCL	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.5	0.4	0.4	ug/L
BJ20805	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.0006	0.0006	ug/L
BJ20805	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.04	0.04	ug/L
BJ20805	$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.038	0.010	0.01	0.01	ug/L
BJ20805	$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.051	0.010	0.01	0.01	ug/L
BJ20805	$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.012	0.002	0.01	0.01	ug/L
BJ20805	$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	0.012	0.002	0.004	0.004	ug/L

Sample Criteria Exceedences Report

GBJ20803 - HESNY-TUCK

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ20805	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BJ20805	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	2.4	0.20	1	1	ug/L
BJ20805	$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Phenol	NY / TOGS - Water Quality / GA Criteria	2.4	0.20	1	1	ug/L
BJ20805	$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.07	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
BJ20805	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BJ20806	$DP8260_TCL	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.5	0.4	0.4	ug/L
BJ20806	$DP8260_TCL	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.5	0.4	0.4	ug/L
BJ20806	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.0006	0.0006	ug/L
BJ20806	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.04	0.04	ug/L
BJ20806	$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.025	0.010	0.01	0.01	ug/L
BJ20806	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BJ20806	$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.11	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.16	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.17	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.17	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.17	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.17	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.07	0.02	0.002	0.002	ug/L
BJ20806	$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.16	0.02	0.002	0.002	ug/L
BJ20807	$DP8260_TCL	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	47	20	5	5	ug/L
BJ20807	$DP8260_TCL	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	47	20	5	5	ug/L
BJ20807	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BJ20807	$DP8260_TCL	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	480	20	5	5	ug/L
BJ20807	$DP8260_TCL	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	480	20	5	5	ug/L
BJ20807	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BJ20807	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BJ20807	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBJ20803 - HESNY-TUCK

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ20807	$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20807	$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BJ20808	$DP8260_TCL	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	1.1	0.70	0.7	0.7	ug/L
BJ20808	$DP8260_TCL	Benzene	NY / TOGS - Water Quality / GA Criteria	1.1	0.70	1	1	ug/L
BJ20808	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BJ20808	$DP8260_TCL	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	8.1	1.0	5	5	ug/L
BJ20808	$DP8260_TCL	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	8.1	1.0	5	5	ug/L
BJ20808	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BJ20808	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BJ20808	$DPWM_TCLR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	100	25	1	1	ug/L
BJ20808	$DPWM_TCLR	Phenol	NY / TOGS - Water Quality / GA Criteria	100	25	1	1	ug/L
BJ20808	$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.63	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.36	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.64	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.37	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.88	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.68	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.36	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.68	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.37	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.64	0.02	0.002	0.002	ug/L
BJ20808	$DPWMSIM_T	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	1.4	0.20	1	1	ug/L
BJ20808	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.88	0.02	0.002	0.002	ug/L
BJ20809	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BJ20809	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BJ20809	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BJ20809	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBJ20803 - HESNY-TUCK

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ20809	$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20809	$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BJ20810	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BJ20810	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

July 02, 2015

SDG I.D.: GBJ20803

The samples in this delivery group were received at 6°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [x] No [ ]
Coolant: IPK [x] ICE [ ] No [ ]

NY/NJ CHAIN OF CUSTODY RECORD

Temp 0 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[X] Phone: 914-276-2560
[X] Email: tcarr@hesny.com

Customer: HES
Address: 1 Deans Bridge Rd
Somers, NY

Project: 109 Marbledale Rd, Tuckahoe NY
Report to: Tim Carr
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 5/21/15

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOCs	TCL SVOCs	TCL Pesticides	TCL PCBs	Soil VOA Vials [ ]	GL Soil container [ ] methanol [ ] H2O	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	
20803	MW-104	GW	5/21/15	11:35	✓	✓	✓	✓				3	4						
20804	MW-4			11:35	✓	✓	✓	✓				3	4						
20805	MW-5			1:10	✓	✓	✓	✓				9	12						*MS/MSD
20806	MW-6			12:11	✓	✓	✓	✓				3	4						
20807	MW-8			1:23	✓	✓	✓	✓				3	4						
20808	MW-9			2:39	✓	✓	✓	✓				3	4						
20809	Field Blank			11:00	✓	✓	✓	✓				3	4						
20810	Trip Blank			8:00	✓							2							

Relinquished by:	Accepted by:	Date:	Time:
[signature]			
[signature]	[signature]	5-22-15	11:40
[signature]	[signature]	5/22/15	16:11

Comments, Special Requirements or Regulations:
MS/MSD on MW-5

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[x] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[X] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[ ] Phoenix Std Report
[X] Excel
[X] PDF
[ ] GIS/Key
[X] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD (ASP)
[ ] Other

Data Package
[ ] NJ Reduced Deliv. *
[X] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Tuesday, June 09, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD., TUCKAHOE
Sample ID#s: BJ22295

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

June 09, 2015

SDG I.D.: GBJ22295

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: HydroEnvironmental Solutions, Inc.

Project: 109 MARBLEDALE RD., TUCKAHOE

Laboratory Project: GBJ22295

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

June 09, 2015 **SDG I.D.: GBJ22295**

HydroEnvironmental Solutions, Inc. 109 MARBLEDALE RD., TUCKAHOE

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
VP-4	BJ22295	AIR

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 09, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	05/27/15	9:15
Location Code:	HESNY-TUCK	Received by:	LB	05/27/15	16:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13652				

Laboratory Data

SDG ID: GBJ22295
Phoenix ID: BJ22295

Project ID: 109 MARBLEDALE RD., TUCKAHOE
Client ID: VP-4

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/29/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/29/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	05/29/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	05/29/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/29/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/29/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	05/29/15	KCA	1	
1,2,4-Trimethylbenzene	1.36		*0.204*	0.204	6.68	*1.00*	1.00	05/29/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	05/29/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/29/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	05/29/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	05/29/15	KCA	1	
1,2-Dichlorotetrafluoroethane	19.2	D	*4.29*	4.29	134	*30.0*	30.0	05/29/15	KCA	30	
1,3,5-Trimethylbenzene	0.423		*0.204*	0.204	2.08	*1.00*	1.00	05/29/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	05/29/15	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/29/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	05/29/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	05/29/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/29/15	KCA	1	1
4-Ethyltoluene	0.327		*0.204*	0.204	1.61	*1.00*	1.00	05/29/15	KCA	1	1
4-Isopropyltoluene	0.218		*0.182*	0.182	1.20	*1.00*	1.00	05/29/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	05/29/15	KCA	1	
Acetone	ND		*0.421*	0.421	ND	*1.00*	1.00	05/29/15	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	05/29/15	KCA	1	
Benzene	1.17		*0.313*	0.313	3.74	*1.00*	1.00	05/29/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	05/29/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE

Phoenix I.D.: BJ22295

Client ID: VP-4

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	05/29/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	05/29/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	05/29/15	KCA	1	
Carbon Disulfide	2.40		*0.321*	0.321	7.47	*1.00*	1.00	05/29/15	KCA	1	
Carbon Tetrachloride	0.068		*0.040*	0.040	0.43	*0.25*	0.25	05/29/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	05/29/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	05/29/15	KCA	1	
Chloroform	0.435		*0.205*	0.205	2.12	*1.00*	1.00	05/29/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	05/29/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/29/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/29/15	KCA	1	
Cyclohexane	18.4		*0.291*	0.291	63.3	*1.00*	1.00	05/29/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	05/29/15	KCA	1	
Dichlorodifluoromethane	36.1	D	*6.07*	6.07	178	*30.0*	30.0	05/29/15	KCA	30	
Ethanol	42.3	D	*15.9*	15.9	79.7	*29.9*	29.9	05/29/15	KCA	30	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	05/29/15	KCA	1	1
Ethylbenzene	17.6		*0.230*	0.230	76.4	*1.00*	1.00	05/29/15	KCA	1	
Heptane	2.38		*0.244*	0.244	9.7	*1.00*	1.00	05/29/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	05/29/15	KCA	1	
Hexane	8.34		*0.284*	0.284	29.4	*1.00*	1.00	05/29/15	KCA	1	
Isopropylalcohol	27.7		*0.407*	0.407	68.0	*1.00*	1.00	05/29/15	KCA	1	
Isopropylbenzene	1.18		*0.204*	0.204	5.80	*1.00*	1.00	05/29/15	KCA	1	
m,p-Xylene	89.9	D	*6.91*	6.91	390	*30.0*	30.0	05/29/15	KCA	30	
Methyl Ethyl Ketone	ND		*0.339*	0.339	ND	*1.00*	1.00	05/29/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	05/29/15	KCA	1	
Methylene Chloride	1.10		*0.288*	0.288	3.82	*1.00*	1.00	05/29/15	KCA	1	
n-Butylbenzene	0.211		*0.182*	0.182	1.16	*1.00*	1.00	05/29/15	KCA	1	1
o-Xylene	54.9	D	*6.91*	6.91	238	*30.0*	30.0	05/29/15	KCA	30	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	05/29/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	05/29/15	KCA	1	1
Styrene	1.00		*0.235*	0.235	4.26	*1.00*	1.00	05/29/15	KCA	1	
Tetrachloroethene	0.212		*0.037*	0.037	1.44	*0.25*	0.25	05/29/15	KCA	1	
Tetrahydrofuran	2.42		*0.339*	0.339	7.13	*1.00*	1.00	05/29/15	KCA	1	1
Toluene	6.58		*0.266*	0.266	24.8	*1.00*	1.00	05/29/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	05/29/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	05/29/15	KCA	1	
Trichloroethene	0.100		*0.047*	0.047	0.54	*0.25*	0.25	05/29/15	KCA	1	
Trichlorofluoromethane	ND		*0.178*	0.178	ND	*1.00*	1.00	05/29/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	05/29/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	05/29/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	112		*%*	%	112	*%*	%	05/29/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE
Client ID: VP-4

Phoenix I.D.: BJ22295

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 09, 2015
Reviewed and Released by: Tina Covensky

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

June 09, 2015

QA/QC Data

SDG I.D.: GBJ22295

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 309388 (ppbv), QC Sample No: BJ22295 (BJ22295 (1X, 30X))													
Volatiles													
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	20	
1,1,1-Trichloroethane	ND	0.183	ND	1.00	123	ND	ND	ND	ND	NC	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	20	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20	
1,1-Dichloroethane	ND	0.247	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	20	
1,1-Dichloroethene	ND	0.252	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	20	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	123	ND	ND	ND	ND	NC	70 - 130	20	
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	94	6.68	5.45	1.36	1.11	20.2	70 - 130	20	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	86	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichloroethane	ND	0.247	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20	
1,2-dichloropropane	ND	0.216	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	114	178	130	25.5	18.6	31.3	70 - 130	20	r
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	96	2.08	1.76	0.423	0.359	16.4	70 - 130	20	
1,3-Butadiene	ND	0.452	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	20	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	20	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	20	
1,4-Dioxane	ND	0.278	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	20	
2-Hexanone(MBK)	ND	0.244	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	20	
4-Ethyltoluene	ND	0.204	ND	1.00	102	1.61	1.37	0.327	0.279	15.8	70 - 130	20	
4-Isopropyltoluene	ND	0.182	ND	1.00	94	1.20	1.17	0.218	0.213	2.3	70 - 130	20	
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	20	
Acetone	ND	0.421	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	20	
Acrylonitrile	ND	0.461	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	20	
Benzene	ND	0.313	ND	1.00	114	3.74	3.90	1.17	1.22	4.2	70 - 130	20	
Benzyl chloride	ND	0.193	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	20	
Bromodichloromethane	ND	0.149	ND	1.00	124	ND	ND	ND	ND	NC	70 - 130	20	
Bromoform	ND	0.097	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	20	
Bromomethane	ND	0.257	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	20	
Carbon Disulfide	ND	0.321	ND	1.00	113	7.47	7.22	2.40	2.32	3.4	70 - 130	20	
Carbon Tetrachloride	ND	0.040	ND	0.25	113	0.43	0.40	0.068	0.063	7.6	70 - 130	20	
Chlorobenzene	ND	0.217	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	20	
Chloroethane	ND	0.379	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	20	
Chloroform	ND	0.205	ND	1.00	110	2.12	2.02	0.435	0.414	4.9	70 - 130	20	
Chloromethane	ND	0.484	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	20	
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	109	ND	ND	ND	ND	NC	70 - 130	20	
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	20	
Cyclohexane	ND	0.291	ND	1.00	104	63.3	65.4	18.4	19.0	3.2	70 - 130	20	
Dibromochloromethane	ND	0.117	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	20	
Dichlorodifluoromethane	ND	0.202	ND	1.00	111	193	172	39.0	34.9	11.1	70 - 130	20	
Ethanol	ND	0.531	ND	1.00	127	94.9	96.4	50.4	51.2	1.6	70 - 130	20	

QA/QC Data

SDG I.D.: GBJ22295

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
Ethyl acetate	ND	0.278	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	20	
Ethylbenzene	ND	0.230	ND	1.00	108	76.4	65.5	17.6	15.1	15.3	70 - 130	20	
Heptane	ND	0.244	ND	1.00	107	9.7	9.26	2.38	2.26	5.2	70 - 130	20	
Hexachlorobutadiene	ND	0.094	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	20	
Hexane	ND	0.284	ND	1.00	107	29.4	30.2	8.34	8.56	2.6	70 - 130	20	
Isopropylalcohol	ND	0.407	ND	1.00	112	68.0	69.3	27.7	28.2	1.8	70 - 130	20	
Isopropylbenzene	ND	0.204	ND	1.00	111	5.80	5.06	1.18	1.03	13.6	70 - 130	20	
m,p-Xylene	ND	0.230	ND	1.00	107	392	325	90.4	74.8	18.9	70 - 130	20	
Methyl Ethyl Ketone	ND	0.339	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	20	
Methyl tert-butyl ether(MTBE)	ND	0.277	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20	
Methylene Chloride	ND	0.288	ND	1.00	94	3.82	3.92	1.10	1.13	2.7	70 - 130	20	
n-Butylbenzene	ND	0.182	ND	1.00	99	1.16	1.10	0.211	0.200	5.4	70 - 130	20	
o-Xylene	ND	0.230	ND	1.00	104	250	208	57.7	48.0	18.4	70 - 130	20	
Propylene	ND	0.581	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	20	
sec-Butylbenzene	ND	0.182	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	20	
Styrene	ND	0.235	ND	1.00	106	4.26	3.70	1.00	0.870	13.9	70 - 130	20	
Tetrachloroethene	ND	0.037	ND	0.25	111	1.44	1.46	0.212	0.215	1.4	70 - 130	20	
Tetrahydrofuran	ND	0.339	ND	1.00	113	7.13	8.49	2.42	2.88	17.4	70 - 130	20	
Toluene	ND	0.266	ND	1.00	109	24.8	23.7	6.58	6.28	4.7	70 - 130	20	
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	20	
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	139	ND	ND	ND	ND	NC	70 - 130	20	l
Trichloroethene	ND	0.047	ND	0.25	110	0.54	0.48	0.100	0.090	10.5	70 - 130	20	
Trichlorofluoromethane	ND	0.178	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	20	
Trichlorotrifluoroethane	ND	0.131	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	20	
Vinyl Chloride	ND	0.098	ND	0.25	108	ND	ND	ND	ND	NC	70 - 130	20	
% Bromofluorobenzene	96	%	96	%	105	112	94	112	94	17.5	70 - 130	20	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 09, 2015

Sample Criteria Exceedences Report

GBJ22295 - HESNY-TUCK

Criteria: CT: AIRIC, AIRRE, I-SVVC, R-SVVC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ22295	$AIR_NYTO15	Dichlorodifluoromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	178	30.0	91	91	ug/m3
BJ22295	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	0.25	0.0487	0.0487	ug/m3
BJ22295	$AIR_NYTO15	Vinyl Chloride	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	0.25	0.029	0.029	ug/m3
BJ22295	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0818	0.0818	ug/m3
BJ22295	$AIR_NYTO15	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0487	0.0487	ug/m3
BJ22295	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.157	0.157	ug/m3
BJ22295	$AIR_NYTO15	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0936	0.0936	ug/m3
BJ22295	$AIR_NYTO15	Benzene	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	3.74	1.00	3.25	3.25	ug/m3
BJ22295	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.215	0.215	ug/m3
BJ22295	$AIR_NYTO15	1,2-dichloropropane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.128	0.128	ug/m3
BJ22295	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.46	0.46	ug/m3
BJ22295	$AIR_NYTO15	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.034	0.034	ug/m3
BJ22295	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0186	0.0186	ug/m3
BJ22295	$AIR_NYTO15	1,2-Dibromoethane(EDB)	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.0111	0.0111	ug/m3
BJ22295	$AIR_NYTO15	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.082	0.082	ug/m3
BJ22295	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / I/C TAC uµg/m	ND	1.00	0.0705	0.0705	ug/m3
BJ22295	$AIR_NYTO15	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / RES TAC (ug/	ND	1.00	0.042	0.042	ug/m3

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

800-827-5426
email: greg@phoenixlabs.com

P.O. # Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: tcarr@hesny.com, rgriffiths@hesny.com
☐ Phone #:

Report to: Tim Carr
Customer: Hes
Address: One Deans Bridge Rd
Somers, NY

Invoice to: Same

Sampled by: R Griffiths

Project Name: 109 Markledale Rd Tuckahoe, NY

Requested Deliverable:
RCP ☐ ASP CAT B ☒
MCP ☐ NJ Deliverables ☐

State where samples collected:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ('Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
	THIS SECTION FOR LAB USE ONLY												MATRIX			ANALYSES	
22295	VP-4	13652	6.0	-30	-7	5712	83.3	8:15	9:15	5/27/15	-30	-8		X	C		X
	6L/hr																

Relinquished by:	Accepted by:	Date:	Time:
RG		5/27/15	1135
		5-27-15	15:10

Data Format:
Excel ☒ Equis ☒ GISKey ☐
PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria 5/27/15 16:44

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: RG Date: 5/27/15

PHOENIX
Environmental Laboratories, Inc.

Friday, September 04, 2015

Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Sample ID#s: BJ81714 - BJ81720

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	08/24/15	10:25
Location Code:	HES-NY	Received by:	LB	08/26/15	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13634				

Laboratory Data

SDG ID: GBJ81714
Phoenix ID: BJ81714

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-13

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorotetrafluoroethane	4.88		*0.143*	0.143	34.1	*1.00*	1.00	08/27/15	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Dichlorobenzene	7.68		*0.166*	0.166	46.1	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Isopropyltoluene	0.194		*0.182*	0.182	1.06	*1.00*	1.00	08/27/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	1.02		*0.244*	0.244	4.18	*1.00*	1.00	08/27/15	KCA	1	
Acetone	43.9	S	*1.68*	1.68	104	*3.99*	3.99	08/31/15	KCA	4	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	08/27/15	KCA	1	
Benzene	0.350		*0.313*	0.313	1.12	*1.00*	1.00	08/27/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-13

Phoenix I.D.: BJ81714

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	08/27/15	KCA	1	
Carbon Disulfide	0.711		*0.321*	0.321	2.21	*1.00*	1.00	08/27/15	KCA	1	
Carbon Tetrachloride	0.095		*0.040*	0.040	0.60	*0.25*	0.25	08/27/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloromethane	0.605		*0.485*	0.485	1.25	*1.00*	1.00	08/27/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Cyclohexane	0.348		*0.291*	0.291	1.20	*1.00*	1.00	08/27/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	08/27/15	KCA	1	
Dichlorodifluoromethane	1.54		*0.202*	0.202	7.61	*1.00*	1.00	08/27/15	KCA	1	
Ethanol	23.4	S	*0.531*	0.531	44.1	*1.00*	1.00	08/27/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	1
Ethylbenzene	0.748		*0.230*	0.230	3.25	*1.00*	1.00	08/27/15	KCA	1	
Heptane	0.319		*0.244*	0.244	1.31	*1.00*	1.00	08/27/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	08/27/15	KCA	1	
Hexane	0.640	S	*0.284*	0.284	2.25	*1.00*	1.00	08/27/15	KCA	1	
Isopropylalcohol	567	SE	*1.63*	1.63	1390	*4.00*	4.00	08/31/15	KCA	4	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
m,p-Xylene	2.63		*0.230*	0.230	11.4	*1.00*	1.00	08/27/15	KCA	1	
Methyl Ethyl Ketone	0.829		*0.339*	0.339	2.44	*1.00*	1.00	08/27/15	KCA	1	
Methyl tert-butyl ether(MTBE)	1.02		*0.278*	0.278	3.68	*1.00*	1.00	08/27/15	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	08/27/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
o-Xylene	0.863		*0.230*	0.230	3.75	*1.00*	1.00	08/27/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	08/27/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
Styrene	0.256		*0.235*	0.235	1.09	*1.00*	1.00	08/27/15	KCA	1	
Tetrachloroethene	0.108		*0.037*	0.037	0.73	*0.25*	0.25	08/27/15	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	08/27/15	KCA	1	1
Toluene	0.998		*0.266*	0.266	3.76	*1.00*	1.00	08/27/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Trichloroethene	ND		*0.047*	0.047	ND	*0.25*	0.25	08/27/15	KCA	1	
Trichlorofluoromethane	0.257		*0.178*	0.178	1.44	*1.00*	1.00	08/27/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	08/27/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	08/27/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	110		*%*	%	110	*%*	%	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-13

Phoenix I.D.: BJ81714

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

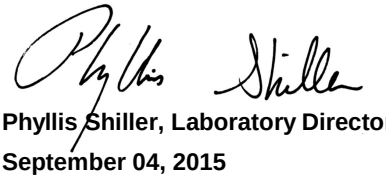
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
September 04, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	08/24/15	10:25
Location Code:	HES-NY	Received by:	LB	08/26/15	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13652				

Laboratory Data

SDG ID: GBJ81714
Phoenix ID: BJ81715

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-113

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorotetrafluoroethane	4.04	*0.143*	0.143	28.2	*1.00*	1.00	08/27/15	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Dichlorobenzene	3.90	*0.166*	0.166	23.4	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	3.76	*0.244*	0.244	15.4	*1.00*	1.00	08/27/15	KCA	1	
Acetone	61.6	S *1.68*	1.68	146	*3.99*	3.99	08/31/15	KCA	4	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	08/27/15	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	08/27/15	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-113

Phoenix I.D.: BJ81715

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	08/27/15	KCA	1	
Carbon Disulfide	0.692		*0.321*	0.321	2.15	*1.00*	1.00	08/27/15	KCA	1	
Carbon Tetrachloride	0.090		*0.040*	0.040	0.57	*0.25*	0.25	08/27/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloromethane	0.743		*0.485*	0.485	1.53	*1.00*	1.00	08/27/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Cyclohexane	0.372		*0.291*	0.291	1.28	*1.00*	1.00	08/27/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	08/27/15	KCA	1	
Dichlorodifluoromethane	1.57		*0.202*	0.202	7.76	*1.00*	1.00	08/27/15	KCA	1	
Ethanol	36.8	S	*0.531*	0.531	69.3	*1.00*	1.00	08/27/15	KCA	1	1
Ethyl acetate	0.321		*0.278*	0.278	1.16	*1.00*	1.00	08/27/15	KCA	1	1
Ethylbenzene	0.820		*0.230*	0.230	3.56	*1.00*	1.00	08/27/15	KCA	1	
Heptane	0.400		*0.244*	0.244	1.64	*1.00*	1.00	08/27/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	08/27/15	KCA	1	
Hexane	0.641	S	*0.284*	0.284	2.26	*1.00*	1.00	08/27/15	KCA	1	
Isopropylalcohol	298	SE	*1.63*	1.63	732	*4.00*	4.00	08/31/15	KCA	4	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
m,p-Xylene	3.14		*0.230*	0.230	13.6	*1.00*	1.00	08/27/15	KCA	1	
Methyl Ethyl Ketone	1.05		*0.339*	0.339	3.09	*1.00*	1.00	08/27/15	KCA	1	
Methyl tert-butyl ether(MTBE)	0.638		*0.278*	0.278	2.30	*1.00*	1.00	08/27/15	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	08/27/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
o-Xylene	1.03		*0.230*	0.230	4.47	*1.00*	1.00	08/27/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	08/27/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	08/27/15	KCA	1	
Tetrachloroethene	0.140		*0.037*	0.037	0.95	*0.25*	0.25	08/27/15	KCA	1	
Tetrahydrofuran	0.556		*0.339*	0.339	1.64	*1.00*	1.00	08/27/15	KCA	1	1
Toluene	0.905		*0.266*	0.266	3.41	*1.00*	1.00	08/27/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Trichloroethene	ND		*0.047*	0.047	ND	*0.25*	0.25	08/27/15	KCA	1	
Trichlorofluoromethane	0.289		*0.178*	0.178	1.62	*1.00*	1.00	08/27/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	08/27/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	08/27/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	113		*%*	%	113	*%*	%	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-113

Phoenix I.D.: BJ81715

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

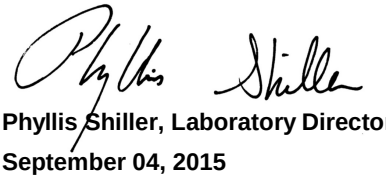
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

September 04, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	08/24/15	10:40
Location Code:	HES-NY	Received by:	LB	08/26/15	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	475				

Laboratory Data

SDG ID: GBJ81714
Phoenix ID: BJ81716

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP14

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	1
1,1,1-Trichloroethane	0.399	*0.183*	0.183	2.18	*1.00*	1.00	08/27/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorotetrafluoroethane	508	*4.29*	4.29	3550	*30.0*	30.0	09/02/15	KCA	15	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Dichlorobenzene	3.64	*0.166*	0.166	21.9	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	
Acetone	ND	*0.421*	0.421	ND	*1.00*	1.00	08/27/15	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	08/27/15	KCA	1	
Benzene	12.0	*0.313*	0.313	38.3	*1.00*	1.00	08/27/15	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP14

Phoenix I.D.: BJ81716

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	08/27/15	KCA	1	
Carbon Disulfide	0.950		*0.321*	0.321	2.96	*1.00*	1.00	08/27/15	KCA	1	
Carbon Tetrachloride	0.054		*0.040*	0.040	0.34	*0.25*	0.25	08/27/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	08/27/15	KCA	1	
Cis-1,2-Dichloroethene	6.87		*0.252*	0.252	27.2	*1.00*	1.00	08/27/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Cyclohexane	44.0		*8.72*	8.72	151	*30.0*	30.0	09/02/15	KCA	15	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	08/27/15	KCA	1	
Dichlorodifluoromethane	880		*6.07*	6.07	4350	*30.0*	30.0	09/02/15	KCA	15	
Ethanol	19.1	S	*0.531*	0.531	36.0	*1.00*	1.00	08/27/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	1
Ethylbenzene	0.767		*0.230*	0.230	3.33	*1.00*	1.00	08/27/15	KCA	1	
Heptane	19.9		*0.244*	0.244	81.5	*1.00*	1.00	08/27/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	08/27/15	KCA	1	
Hexane	79.7	S	*8.52*	8.52	281	*30.0*	30.0	09/02/15	KCA	15	
Isopropylalcohol	326	SE	*0.407*	0.407	801	*1.00*	1.00	08/27/15	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
m,p-Xylene	2.23		*0.230*	0.230	9.7	*1.00*	1.00	08/27/15	KCA	1	
Methyl Ethyl Ketone	2.77		*0.339*	0.339	8.16	*1.00*	1.00	08/27/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
Methylene Chloride	2.64	S	*0.288*	0.288	9.16	*1.00*	1.00	08/27/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
o-Xylene	0.894		*0.230*	0.230	3.88	*1.00*	1.00	08/27/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	08/27/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	08/27/15	KCA	1	
Tetrachloroethene	0.663		*0.037*	0.037	4.49	*0.25*	0.25	08/27/15	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	08/27/15	KCA	1	1
Toluene	ND		*0.266*	0.266	ND	*1.00*	1.00	08/27/15	KCA	1	
Trans-1,2-Dichloroethene	1.33		*0.252*	0.252	5.27	*1.00*	1.00	08/27/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Trichloroethene	5.80		*0.047*	0.047	31.1	*0.25*	0.25	08/27/15	KCA	1	
Trichlorofluoromethane	2.12		*0.178*	0.178	11.9	*1.00*	1.00	08/27/15	KCA	1	
Trichlorotrifluoroethane	0.197		*0.131*	0.131	1.51	*1.00*	1.00	08/27/15	KCA	1	
Vinyl Chloride	23.5		*0.098*	0.098	60.0	*0.25*	0.25	08/27/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	127		*%*	%	127	*%*	%	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP14

Phoenix I.D.: BJ81716

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 04, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	08/24/15	10:55
Location Code:	HES-NY	Received by:	LB	08/26/15	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	11287				

Laboratory Data

SDG ID: GBJ81714
Phoenix ID: BJ81717

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-15

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	08/31/15	KCA	1	1
1,1,1-Trichloroethane	0.374		*0.183*	0.183	2.04	*1.00*	1.00	08/31/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	08/31/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	08/31/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	08/31/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/31/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	08/31/15	KCA	1	
1,2,4-Trimethylbenzene	0.948		*0.204*	0.204	4.66	*1.00*	1.00	08/31/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	08/31/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	08/31/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	08/31/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	08/31/15	KCA	1	
1,2-Dichlorotetrafluoroethane	49200		*429*	429	344000	*3000*	3000	09/01/15	KCA	3000	
1,3,5-Trimethylbenzene	0.212		*0.204*	0.204	1.04	*1.00*	1.00	08/31/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	08/31/15	KCA	1	
1,3-Dichlorobenzene	7.66		*0.166*	0.166	46.0	*1.00*	1.00	08/31/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	08/31/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	08/31/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	08/31/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/31/15	KCA	1	1
4-Isopropyltoluene	0.209		*0.182*	0.182	1.15	*1.00*	1.00	08/31/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	1.40		*0.244*	0.244	5.73	*1.00*	1.00	08/31/15	KCA	1	
Acetone	58.0	S	*4.21*	4.21	138	*10.0*	10.0	08/31/15	KCA	10	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	08/31/15	KCA	1	
Benzene	0.850		*0.313*	0.313	2.71	*1.00*	1.00	08/31/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	08/31/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-15

Phoenix I.D.: BJ81717

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	08/31/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	08/31/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	08/31/15	KCA	1	
Carbon Disulfide	0.679		*0.321*	0.321	2.11	*1.00*	1.00	08/31/15	KCA	1	
Carbon Tetrachloride	0.044		*0.040*	0.040	0.28	*0.25*	0.25	08/31/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	08/31/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	08/31/15	KCA	1	
Chloroform	1.23		*0.205*	0.205	6.00	*1.00*	1.00	08/31/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	08/31/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/31/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/31/15	KCA	1	
Cyclohexane	0.603		*0.291*	0.291	2.07	*1.00*	1.00	08/31/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	08/31/15	KCA	1	
Dichlorodifluoromethane	19800		*243*	243	97900	*1200*	1200	08/31/15	KCA	1200	
Ethanol	13.1	S	*0.531*	0.531	24.7	*1.00*	1.00	08/31/15	KCA	1	1
Ethyl acetate	0.884		*0.278*	0.278	3.18	*1.00*	1.00	08/31/15	KCA	1	1
Ethylbenzene	1.07		*0.230*	0.230	4.64	*1.00*	1.00	08/31/15	KCA	1	
Heptane	0.531		*0.244*	0.244	2.17	*1.00*	1.00	08/31/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	08/31/15	KCA	1	
Hexane	0.875	S	*0.284*	0.284	3.08	*1.00*	1.00	08/31/15	KCA	1	
Isopropylalcohol	322	S	*4.07*	4.07	791	*10.0*	10.0	08/31/15	KCA	10	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/31/15	KCA	1	
m,p-Xylene	3.29		*0.230*	0.230	14.3	*1.00*	1.00	08/31/15	KCA	1	
Methyl Ethyl Ketone	1.27		*0.339*	0.339	3.74	*1.00*	1.00	08/31/15	KCA	1	
Methyl tert-butyl ether(MTBE)	0.780		*0.278*	0.278	2.81	*1.00*	1.00	08/31/15	KCA	1	
Methylene Chloride	0.324	S	*0.288*	0.288	1.12	*1.00*	1.00	08/31/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/31/15	KCA	1	1
o-Xylene	1.17		*0.230*	0.230	5.08	*1.00*	1.00	08/31/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	08/31/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/31/15	KCA	1	1
Styrene	0.349		*0.235*	0.235	1.49	*1.00*	1.00	08/31/15	KCA	1	
Tetrachloroethene	6.57		*0.037*	0.037	44.5	*0.25*	0.25	08/31/15	KCA	1	
Tetrahydrofuran	0.396		*0.339*	0.339	1.17	*1.00*	1.00	08/31/15	KCA	1	1
Toluene	5.04		*0.266*	0.266	19.0	*1.00*	1.00	08/31/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/31/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/31/15	KCA	1	
Trichloroethene	0.097		*0.047*	0.047	0.52	*0.25*	0.25	08/31/15	KCA	1	
Trichlorofluoromethane	96.7		*1.78*	1.78	543	*10.0*	10.0	08/31/15	KCA	10	
Trichlorotrifluoroethane	0.676		*0.131*	0.131	5.18	*1.00*	1.00	08/31/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	08/31/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	110		*%*	%	110	*%*	%	08/31/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-15

Phoenix I.D.: BJ81717

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
September 04, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	08/24/15	11:10
Location Code:	HES-NY	Received by:	LB	08/26/15	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	230				

Laboratory Data

SDG ID: GBJ81714
Phoenix ID: BJ81718

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-16

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	1
1,1,1-Trichloroethane	2.23	*0.183*	0.183	12.2	*1.00*	1.00	08/27/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorotetrafluoroethane	22200	*215*	215	155000	*1500*	1500	09/01/15	KCA	1500	
1,3,5-Trimethylbenzene	0.252	*0.204*	0.204	1.24	*1.00*	1.00	08/27/15	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Dichlorobenzene	5.59	*0.166*	0.166	33.6	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Isopropyltoluene	0.207	*0.182*	0.182	1.14	*1.00*	1.00	08/27/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	
Acetone	125	S *50.5*	50.5	297	*120*	120	08/31/15	KCA	120	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	08/27/15	KCA	1	
Benzene	19.2	*0.313*	0.313	61.3	*1.00*	1.00	08/27/15	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-16

Phoenix I.D.: BJ81718

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	08/27/15	KCA	1	
Carbon Disulfide	2.58		*0.321*	0.321	8.03	*1.00*	1.00	08/27/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	08/27/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroform	13.6		*0.205*	0.205	66.4	*1.00*	1.00	08/27/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	08/27/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Cyclohexane	126		*34.9*	34.9	433	*120*	120	08/31/15	KCA	120	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	08/27/15	KCA	1	
Dichlorodifluoromethane	35100		*304*	304	173000	*1500*	1500	09/01/15	KCA	1500	
Ethanol	11.7	S	*0.531*	0.531	22.0	*1.00*	1.00	08/27/15	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	1
Ethylbenzene	1.73		*0.230*	0.230	7.51	*1.00*	1.00	08/27/15	KCA	1	
Heptane	ND		*29.3*	29.3	ND	*120*	120	08/31/15	KCA	120	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	08/27/15	KCA	1	
Hexane	92.5	S	*34.1*	34.1	326	*120*	120	08/31/15	KCA	120	
Isopropylalcohol	120	SE	*0.407*	0.407	295	*1.00*	1.00	08/27/15	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
m,p-Xylene	4.16		*0.230*	0.230	18.1	*1.00*	1.00	08/27/15	KCA	1	
Methyl Ethyl Ketone	2.23		*0.339*	0.339	6.57	*1.00*	1.00	08/27/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
Methylene Chloride	1.99	S	*0.288*	0.288	6.91	*1.00*	1.00	08/27/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
o-Xylene	1.63		*0.230*	0.230	7.07	*1.00*	1.00	08/27/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	08/27/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
Styrene	0.333		*0.235*	0.235	1.42	*1.00*	1.00	08/27/15	KCA	1	
Tetrachloroethene	2.39		*0.037*	0.037	16.2	*0.25*	0.25	08/27/15	KCA	1	
Tetrahydrofuran	2.18		*0.339*	0.339	6.43	*1.00*	1.00	08/27/15	KCA	1	1
Toluene	21.6		*0.266*	0.266	81.3	*1.00*	1.00	08/27/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Trichloroethene	2.32		*0.047*	0.047	12.5	*0.25*	0.25	08/27/15	KCA	1	
Trichlorofluoromethane	35200		*267*	267	198000	*1500*	1500	09/01/15	KCA	1500	
Trichlorotrifluoroethane	22.7		*0.131*	0.131	174	*1.00*	1.00	08/27/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	08/27/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	127		*%*	%	127	*%*	%	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-16

Phoenix I.D.: BJ81718

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

September 04, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	08/24/15	11:25
Location Code:	HES-NY	Received by:	LB	08/26/15	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	1351				

Laboratory Data

SDG ID: GBJ81714
Phoenix ID: BJ81719

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-17

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethane	0.528	*0.247*	0.247	2.14	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorotetrafluoroethane	711	*21.5*	21.5	4970	*150*	150	08/31/15	KCA	150	
1,3,5-Trimethylbenzene	0.287	*0.204*	0.204	1.41	*1.00*	1.00	08/27/15	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Dichlorobenzene	8.49	*0.166*	0.166	51.0	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Isopropyltoluene	0.263	*0.182*	0.182	1.44	*1.00*	1.00	08/27/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	2.01	*0.244*	0.244	8.23	*1.00*	1.00	08/27/15	KCA	1	
Acetone	156	S *63.2*	63.2	370	*150*	150	08/31/15	KCA	150	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	08/27/15	KCA	1	
Benzene	1.58	*0.313*	0.313	5.04	*1.00*	1.00	08/27/15	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-17

Phoenix I.D.: BJ81719

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	08/27/15	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	08/27/15	KCA	1	
Carbon Tetrachloride	ND		*0.040*	0.040	ND	*0.25*	0.25	08/27/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroform	1.54		*0.205*	0.205	7.51	*1.00*	1.00	08/27/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	08/27/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Cyclohexane	0.380		*0.291*	0.291	1.31	*1.00*	1.00	08/27/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	08/27/15	KCA	1	
Dichlorodifluoromethane	1670		*30.4*	30.4	8250	*150*	150	08/31/15	KCA	150	
Ethanol	15.2	S	*0.531*	0.531	28.6	*1.00*	1.00	08/27/15	KCA	1	1
Ethyl acetate	0.497		*0.278*	0.278	1.79	*1.00*	1.00	08/27/15	KCA	1	1
Ethylbenzene	1.32		*0.230*	0.230	5.73	*1.00*	1.00	08/27/15	KCA	1	
Heptane	0.458		*0.244*	0.244	1.88	*1.00*	1.00	08/27/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	08/27/15	KCA	1	
Hexane	0.786	S	*0.284*	0.284	2.77	*1.00*	1.00	08/27/15	KCA	1	
Isopropylalcohol	447	SE	*0.407*	0.407	1100	*1.00*	1.00	08/27/15	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
m,p-Xylene	4.02		*0.230*	0.230	17.4	*1.00*	1.00	08/27/15	KCA	1	
Methyl Ethyl Ketone	1.91		*0.339*	0.339	5.63	*1.00*	1.00	08/27/15	KCA	1	
Methyl tert-butyl ether(MTBE)	0.893		*0.278*	0.278	3.22	*1.00*	1.00	08/27/15	KCA	1	
Methylene Chloride	0.854	S	*0.288*	0.288	2.96	*1.00*	1.00	08/27/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
o-Xylene	1.43		*0.230*	0.230	6.21	*1.00*	1.00	08/27/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	08/27/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
Styrene	0.455		*0.235*	0.235	1.94	*1.00*	1.00	08/27/15	KCA	1	
Tetrachloroethene	12.5		*0.037*	0.037	84.7	*0.25*	0.25	08/27/15	KCA	1	
Tetrahydrofuran	0.563		*0.339*	0.339	1.66	*1.00*	1.00	08/27/15	KCA	1	1
Toluene	5.12		*0.266*	0.266	19.3	*1.00*	1.00	08/27/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Trichloroethene	0.228		*0.047*	0.047	1.22	*0.25*	0.25	08/27/15	KCA	1	
Trichlorofluoromethane	195		*26.7*	26.7	1090	*150*	150	08/31/15	KCA	150	
Trichlorotrifluoroethane	0.165		*0.131*	0.131	1.26	*1.00*	1.00	08/27/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	08/27/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	114		*%*	%	114	*%*	%	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-17

Phoenix I.D.: BJ81719

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

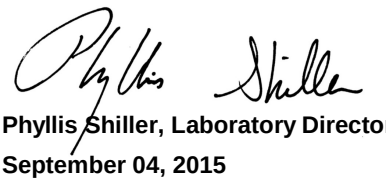
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

September 04, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 04, 2015

FOR: Attn: Mr. Tim Carr
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	RG	08/25/15	4:55
Location Code:	HES-NY	Received by:	LB	08/26/15	16:24
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	470				

Laboratory Data

SDG ID: GBJ81714
Phoenix ID: BJ81720

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-18

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	1
1,1,1-Trichloroethane	4.17		*0.183*	0.183	22.7	*1.00*	1.00	08/27/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2,4-Trimethylbenzene	0.424		*0.204*	0.204	2.08	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
1,2-Dichlorotetrafluoroethane	34.4		*1.43*	1.43	240	*10.0*	10.0	08/31/15	KCA	10	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	08/27/15	KCA	1	
1,3-Dichlorobenzene	0.212		*0.166*	0.166	1.27	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	08/27/15	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	1
4-Isopropyltoluene	0.446		*0.182*	0.182	2.45	*1.00*	1.00	08/27/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	08/27/15	KCA	1	
Acetone	38.3	S	*4.21*	4.21	90.9	*10.0*	10.0	08/31/15	KCA	10	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	08/27/15	KCA	1	
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	08/27/15	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-18

Phoenix I.D.: BJ81720

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	0.941		*0.149*	0.149	6.30	*1.00*	1.00	08/27/15	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	08/27/15	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	08/27/15	KCA	1	
Carbon Disulfide	0.784		*0.321*	0.321	2.44	*1.00*	1.00	08/27/15	KCA	1	
Carbon Tetrachloride	1.06		*0.040*	0.040	6.66	*0.25*	0.25	08/27/15	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	08/27/15	KCA	1	
Chloroform	7.16		*0.205*	0.205	34.9	*1.00*	1.00	08/27/15	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	08/27/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	08/27/15	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	08/27/15	KCA	1	
Dichlorodifluoromethane	103		*2.02*	2.02	509	*10.0*	10.0	08/31/15	KCA	10	
Ethanol	10.7	S	*0.531*	0.531	20.1	*1.00*	1.00	08/27/15	KCA	1	1
Ethyl acetate	0.458		*0.278*	0.278	1.65	*1.00*	1.00	08/27/15	KCA	1	1
Ethylbenzene	0.541		*0.230*	0.230	2.35	*1.00*	1.00	08/27/15	KCA	1	
Heptane	0.309		*0.244*	0.244	1.27	*1.00*	1.00	08/27/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	08/27/15	KCA	1	
Hexane	0.543	S	*0.284*	0.284	1.91	*1.00*	1.00	08/27/15	KCA	1	
Isopropylalcohol	8.20	S	*0.407*	0.407	20.1	*1.00*	1.00	08/27/15	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	08/27/15	KCA	1	
m,p-Xylene	1.93		*0.230*	0.230	8.38	*1.00*	1.00	08/27/15	KCA	1	
Methyl Ethyl Ketone	1.74		*0.339*	0.339	5.13	*1.00*	1.00	08/27/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	08/27/15	KCA	1	
Methylene Chloride	1.14	S	*0.288*	0.288	3.96	*1.00*	1.00	08/27/15	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
o-Xylene	0.550		*0.230*	0.230	2.39	*1.00*	1.00	08/27/15	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	08/27/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	08/27/15	KCA	1	1
Styrene	1.33		*0.235*	0.235	5.66	*1.00*	1.00	08/27/15	KCA	1	
Tetrachloroethene	38.2		*0.369*	0.369	259	*2.50*	2.50	08/31/15	KCA	10	
Tetrahydrofuran	1.22		*0.339*	0.339	3.60	*1.00*	1.00	08/27/15	KCA	1	1
Toluene	1.61		*0.266*	0.266	6.06	*1.00*	1.00	08/27/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	08/27/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	08/27/15	KCA	1	
Trichloroethene	85.5		*0.466*	0.466	459	*2.50*	2.50	08/31/15	KCA	10	
Trichlorofluoromethane	6.43		*0.178*	0.178	36.1	*1.00*	1.00	08/27/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	08/27/15	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	08/27/15	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	118		*%*	%	118	*%*	%	08/27/15	KCA	1	

Project ID: 109 MARBLEDALE RD., TUCKAHOE, NY
Client ID: VP-18

Phoenix I.D.: BJ81720

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

September 04, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Sample Criteria Exceedences Report

GBJ81714 - HES-NY

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

800-827-5426
email: greg@phoenixlabs.com

P.O. # Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: tcarr@hesny.com
☒ Phone #: 914-276-2664

Report to: Tim Carr
Customer: Hydro Environmental Solutions.
Address: One Deans Bridge Rd
Somers, NY 10589

Invoice to: Same

Sampled by: Rachel Griffiths + [signature]

Project Name: 109 Mahledale Rd Tuckahoe, NY

Requested Deliverable:
RCP ☐ ASP CAT B ☒
MCP ☐ NJ Deliverables ☐

State where samples collected: NJ

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
81714	VP-13	13634	6.0	-30	-7	2820	83.3	9:25	10:25	8/24	-30	-9		X	C		X
81715	VP-113	13652	6.0	-30	-7	2871		9:25	10:25	8/24	-30	-9					
	~~VP-14~~	486	6.0	-30		3413		~~9:40~~			~~-30~~						
81716	VP-14	475	6.0	-30	-5	5350		9:40	10:40		-30	-6					
81717	VP-15	11287	6.0	-30	-7	5040		9:55	10:55		-30	-8					
81718	VP-16	230	6.0	-30	-7	4959		10:10	11:10		-30	-8					
81719	VP-17	13651	6.0	-30	-7	5704		10:25	11:25		-30	-7					
81720	VP-18	470	6.0	-30	-7	5660		3:55	4:55	8/25	-29	-8					
	6L 1hr																

Relinquished by: [signature] [signature]

Accepted by: [signature] [signature]

Date:	Time:
8/26/15	11:30
8/26/15	14:40

Data Format:
Excel ☒ Equis ☒ GISKey ☐
PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
Canister #486 – no vacuum at start time. Not used.
[signature] Canadrie 8/26/15 1624

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: [signature] Date: 8/24/15

APPENDIX E

New York State Department of Environmental Conservation

December 2015 Groundwater Sampling Results

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-92920-1
Client Project/Site: Frmr Marble Quarry Landfill #C360143

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Randy Whitcher

Joseph V. Giacomazza

Authorized for release by:
1/7/2016 4:28:38 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

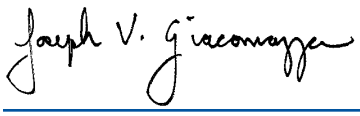
Visit us at: www.testamericainc.com

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.

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



Joe Giacomazza
Project Management Assistant II
1/7/2016 4:28:38 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 8
Lab Chronicle 62
Certification Summary 67
Method Summary 68
Sample Summary 69
Chain of Custody 70
Receipt Checklists 71

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

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)

Job ID: 480-92920-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-92920-1

Receipt
The samples were received on 12/18/2015 2:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.4º C and 0.8º C.

Receipt Exceptions
Sampling Points with Dissolved Metals test are not indicated on the COC, but the client sent the appropriate containers labeled as such. The three sample points with out Dissolved Metals are MW-8, MW-9, and MW-9 DUP.

Received 6 trip blanks not 3 as indicated on COC.

The following samples were activated for TOC analysis by the client on 12/21/15: MW-1 (480-92920-1), MW-2 (480-92920-2), MW-3 (480-92920-3), MW-4 (480-92920-4), MW-5 (480-92920-5), MW-6 (480-92920-6), MW-8 (480-92920-7), MW-8 DUP (480-92920-8), MW-9 (480-92920-9) and MW-9 DUP (480-92920-10). This analysis was not originally requested on the chain-of-custody (COC).

GC/MS VOA
Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-1 (480-92920-1), MW-2 (480-92920-2), MW-3 (480-92920-3), MW-5 (480-92920-5) and MW-6 (480-92920-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-3 (480-92920-3), MW-5 (480-92920-5) and MW-6 (480-92920-6).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-281815 recovered outside acceptance criteria, low biased, for Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples are impacted: MW-4 (480-92920-4), MW-9 (480-92920-9) and MW-9 DUP (480-92920-10).

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-9 (480-92920-9) and MW-9 DUP (480-92920-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-4 (480-92920-4), MW-9 (480-92920-9) and MW-9 DUP (480-92920-10).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8 (480-92920-7) and MW-8 DUP (480-92920-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for batch analytical batch 480-281935 recovered outside control limits for the following analytes: Vinyl chloride, Dichlorodifluoromethane, and Chloromethane. These analytes were biased low in the LCS and are being reported as primary analytes in a different batch, on compliant QC. The following samples are impacted: MW-8 (480-92920-7) and MW-8 DUP (480-92920-8)

Method(s) 8260C: The continuing calibration verification (CCV) associated with analytical batch 281935 recovered outside acceptance criteria, low biased, for the analytes Chloromethane, Vinyl chloride and 1,2-Dichloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. MW-8 (480-92920-7) and MW-8 DUP (480-92920-8).

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

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-282509 recovered above the upper control limit

Job ID: 480-92920-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

for 2,4,6-Tribromophenol (Surr). The samples associated with this CCV were within control limits for 2,4,6-Tribromophenol (Surr). The following samples are impacted: MW-1 (480-92920-1), MW-2 (480-92920-2), MW-3 (480-92920-3), MW-4 (480-92920-4), MW-5 (480-92920-5), MW-6 (480-92920-6), MW-8 (480-92920-7), MW-8 DUP (480-92920-8), MW-9 (480-92920-9) and MW-9 DUP (480-92920-10).

Method(s) 8270D: The laboratory control sample (LCS) associated with preparation batch 480-280629 and analytical batch 480-282509 was outside acceptance criteria for 2,4-Dimethylphenol. Re-extraction and re-analysis was not be performed due to expired preparation holding times for the associated samples. The batch LCSD was within acceptance limits for 2,4-Dimethylphenol. The samples have been qualified and reported.

Method(s) 8270D: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 480-280629 recovered outside control limits for the following analytes: 4-Chloroaniline and Caprolactam.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-282509 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-1 (480-92920-1), MW-2 (480-92920-2), MW-3 (480-92920-3), MW-4 (480-92920-4), MW-5 (480-92920-5), MW-6 (480-92920-6), MW-8 (480-92920-7), MW-8 DUP (480-92920-8), MW-9 (480-92920-9) and MW-9 DUP (480-92920-10).

Method(s) 8270D: The initial calibration curve analyzed in batch 480-278947 was outside method criteria for the following analyte(s): Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

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

GC Semi VOA

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: MW-1 (480-92920-1), MW-3 (480-92920-3), MW-4 (480-92920-4), MW-5 (480-92920-5), MW-6 (480-92920-6), MW-9 (480-92920-9) and MW-9 DUP (480-92920-10). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: All primary data is reported from the RTX-CLP-II column.

Method(s) 8082A: The final continuing calibration verification (CCV) associated with batch 480-280575 was slightly decreased and outside %D criteria for the surrogate Decachlorobiphenyl. The samples analyzed prior to the CCV exhibit heavy matrix effects that likely affected instrument response. All associated sample recoveries and quality control are within acceptance limits for this compound, therefore the data has been reported. The following sample is affected: MW-6 (480-92920-6).

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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

Metals

Method(s) 6010C: The following samples was diluted due to the presence of Total Iron which interferes with Total Silver, Cadmium, Cobalt, Chromium, Copper, Manganese, Nickel, Lead, Antimony, Selenium, and Vanadium: MW-3 (480-92920-3). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Total Copper: MW-5 (480-92920-5). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: Dissolved metals results for the following samples are greater than the corresponding total metals results: MW-6 (480-92920-6), MW-8 (480-92920-7) and MW-8 DUP (480-92920-8). The dissolved sample containers were noted to have contained sediment, therefore, this is the most likely leading cause of the discrepancies.

Method(s) 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): MW-5 (480-92920-5) and MW-6 (480-92920-6). This was demonstrated when the potassium permanganate

Job ID: 480-92920-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 5x dilution, which maintained the purple color during digestion.

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

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-280456.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-280629.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-280455.

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

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-1
Date Collected: 12/16/15 10:50
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/30/15 15:51	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/30/15 15:51	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/30/15 15:51	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/30/15 15:51	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/30/15 15:51	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/30/15 15:51	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/30/15 15:51	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/30/15 15:51	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/30/15 15:51	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/30/15 15:51	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/30/15 15:51	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/30/15 15:51	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/30/15 15:51	10
2-Butanone (MEK)	ND		100	13	ug/L			12/30/15 15:51	10
2-Hexanone	ND		50	12	ug/L			12/30/15 15:51	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/30/15 15:51	10
Acetone	ND		100	30	ug/L			12/30/15 15:51	10
Benzene	ND		10	4.1	ug/L			12/30/15 15:51	10
Bromodichloromethane	ND		10	3.9	ug/L			12/30/15 15:51	10
Bromoform	ND		10	2.6	ug/L			12/30/15 15:51	10
Bromomethane	ND		10	6.9	ug/L			12/30/15 15:51	10
Carbon disulfide	ND		10	1.9	ug/L			12/30/15 15:51	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/30/15 15:51	10
Chlorobenzene	ND		10	7.5	ug/L			12/30/15 15:51	10
Dibromochloromethane	ND		10	3.2	ug/L			12/30/15 15:51	10
Chloroethane	ND		10	3.2	ug/L			12/30/15 15:51	10
Chloroform	ND		10	3.4	ug/L			12/30/15 15:51	10
Chloromethane	ND		10	3.5	ug/L			12/30/15 15:51	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/30/15 15:51	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/30/15 15:51	10
Cyclohexane	ND		10	1.8	ug/L			12/30/15 15:51	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/30/15 15:51	10
Ethylbenzene	ND		10	7.4	ug/L			12/30/15 15:51	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/30/15 15:51	10
Isopropylbenzene	ND		10	7.9	ug/L			12/30/15 15:51	10
Methyl acetate	ND		25	13	ug/L			12/30/15 15:51	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/30/15 15:51	10
Methylcyclohexane	ND		10	1.6	ug/L			12/30/15 15:51	10
Methylene Chloride	ND		10	4.4	ug/L			12/30/15 15:51	10
Styrene	ND		10	7.3	ug/L			12/30/15 15:51	10
Tetrachloroethene	ND		10	3.6	ug/L			12/30/15 15:51	10
Toluene	ND		10	5.1	ug/L			12/30/15 15:51	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/30/15 15:51	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/30/15 15:51	10
Trichloroethene	ND		10	4.6	ug/L			12/30/15 15:51	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/30/15 15:51	10
Vinyl chloride	ND		10	9.0	ug/L			12/30/15 15:51	10
Xylenes, Total	ND		20	6.6	ug/L			12/30/15 15:51	10

Client Sample ID: MW-1

Date Collected: 12/16/15 10:50
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*71 - 126*		*12/30/15 15:51*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/30/15 15:51*	*10*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*12/30/15 15:51*	*10*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*12/30/15 15:51*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.8	0.63	ug/L		12/19/15 08:29	01/07/16 05:07	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/19/15 08:29	01/07/16 05:07	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		12/19/15 08:29	01/07/16 05:07	1
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L		12/19/15 08:29	01/07/16 05:07	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 05:07	1
2,4-Dimethylphenol	ND	*	4.8	0.48	ug/L		12/19/15 08:29	01/07/16 05:07	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 05:07	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 05:07	1
2,6-Dinitrotoluene	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 05:07	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/19/15 08:29	01/07/16 05:07	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/19/15 08:29	01/07/16 05:07	1
2-Methylphenol	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 05:07	1
2-Methylnaphthalene	ND		4.8	0.58	ug/L		12/19/15 08:29	01/07/16 05:07	1
2-Nitroaniline	ND		9.6	0.40	ug/L		12/19/15 08:29	01/07/16 05:07	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/19/15 08:29	01/07/16 05:07	1
3,3'-Dichlorobenzidine	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 05:07	1
3-Nitroaniline	ND		9.6	0.46	ug/L		12/19/15 08:29	01/07/16 05:07	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 05:07	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 05:07	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 05:07	1
4-Chloroaniline	ND	*	4.8	0.57	ug/L		12/19/15 08:29	01/07/16 05:07	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 05:07	1
4-Methylphenol	ND		9.6	0.35	ug/L		12/19/15 08:29	01/07/16 05:07	1
4-Nitroaniline	ND		9.6	0.24	ug/L		12/19/15 08:29	01/07/16 05:07	1
4-Nitrophenol	ND		9.6	1.5	ug/L		12/19/15 08:29	01/07/16 05:07	1
Acenaphthene	**0.44**	**J**	4.8	0.39	ug/L		12/19/15 08:29	01/07/16 05:07	1
Acenaphthylene	ND		4.8	0.37	ug/L		12/19/15 08:29	01/07/16 05:07	1
Acetophenone	ND		4.8	0.52	ug/L		12/19/15 08:29	01/07/16 05:07	1
Anthracene	ND		4.8	0.27	ug/L		12/19/15 08:29	01/07/16 05:07	1
Atrazine	ND		4.8	0.44	ug/L		12/19/15 08:29	01/07/16 05:07	1
Benzaldehyde	**0.28**	**J**	4.8	0.26	ug/L		12/19/15 08:29	01/07/16 05:07	1
Benzo[a]anthracene	ND		4.8	0.35	ug/L		12/19/15 08:29	01/07/16 05:07	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 05:07	1
Benzo[b]fluoranthene	ND		4.8	0.33	ug/L		12/19/15 08:29	01/07/16 05:07	1
Benzo[g,h,i]perylene	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 05:07	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		12/19/15 08:29	01/07/16 05:07	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 05:07	1
Bis(2-chloroethyl)ether	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 05:07	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		12/19/15 08:29	01/07/16 05:07	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/19/15 08:29	01/07/16 05:07	1
Caprolactam	ND	*	4.8	2.1	ug/L		12/19/15 08:29	01/07/16 05:07	1
Carbazole	ND		4.8	0.29	ug/L		12/19/15 08:29	01/07/16 05:07	1
Chrysene	ND		4.8	0.32	ug/L		12/19/15 08:29	01/07/16 05:07	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-1
Date Collected: 12/16/15 10:50
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/19/15 08:29	01/07/16 05:07	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		12/19/15 08:29	01/07/16 05:07	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 05:07	1
Dibenzofuran	ND		9.6	0.49	ug/L		12/19/15 08:29	01/07/16 05:07	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/19/15 08:29	01/07/16 05:07	1
Dimethyl phthalate	ND		4.8	0.35	ug/L		12/19/15 08:29	01/07/16 05:07	1
Fluoranthene	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 05:07	1
Fluorene	ND		4.8	0.35	ug/L		12/19/15 08:29	01/07/16 05:07	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 05:07	1
Hexachlorobutadiene	ND		4.8	0.66	ug/L		12/19/15 08:29	01/07/16 05:07	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		12/19/15 08:29	01/07/16 05:07	1
Hexachloroethane	ND		4.8	0.57	ug/L		12/19/15 08:29	01/07/16 05:07	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 05:07	1
Isophorone	ND		4.8	0.41	ug/L		12/19/15 08:29	01/07/16 05:07	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/19/15 08:29	01/07/16 05:07	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 05:07	1
Naphthalene	ND		4.8	0.73	ug/L		12/19/15 08:29	01/07/16 05:07	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/19/15 08:29	01/07/16 05:07	1
Pentachlorophenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 05:07	1
Phenanthrene	ND		4.8	0.42	ug/L		12/19/15 08:29	01/07/16 05:07	1
Phenol	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 05:07	1
Pyrene	ND		4.8	0.33	ug/L		12/19/15 08:29	01/07/16 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*12/19/15 08:29*	*01/07/16 05:07*	*1*
Phenol-d5 (Surr)	*29*		*16 - 120*	*12/19/15 08:29*	*01/07/16 05:07*	*1*
p-Terphenyl-d14 (Surr)	*83*		*67 - 150*	*12/19/15 08:29*	*01/07/16 05:07*	*1*
2,4,6-Tribromophenol (Surr)	*102*		*52 - 132*	*12/19/15 08:29*	*01/07/16 05:07*	*1*
2-Fluorobiphenyl	*69*		*48 - 120*	*12/19/15 08:29*	*01/07/16 05:07*	*1*
2-Fluorophenol (Surr)	*46*		*20 - 120*	*12/19/15 08:29*	*01/07/16 05:07*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.13**	**J**	0.46	0.085	ug/L		12/18/15 08:20	12/21/15 12:30	10
4,4'-DDE	ND		0.46	0.11	ug/L		12/18/15 08:20	12/21/15 12:30	10
4,4'-DDT	ND		0.46	0.10	ug/L		12/18/15 08:20	12/21/15 12:30	10
Aldrin	ND		0.46	0.075	ug/L		12/18/15 08:20	12/21/15 12:30	10
alpha-BHC	ND		0.46	0.071	ug/L		12/18/15 08:20	12/21/15 12:30	10
alpha-Chlordane	ND		0.46	0.14	ug/L		12/18/15 08:20	12/21/15 12:30	10
beta-BHC	ND		0.46	0.23	ug/L		12/18/15 08:20	12/21/15 12:30	10
delta-BHC	ND		0.46	0.092	ug/L		12/18/15 08:20	12/21/15 12:30	10
Dieldrin	ND		0.46	0.090	ug/L		12/18/15 08:20	12/21/15 12:30	10
Endosulfan I	ND		0.46	0.10	ug/L		12/18/15 08:20	12/21/15 12:30	10
Endosulfan II	ND		0.46	0.11	ug/L		12/18/15 08:20	12/21/15 12:30	10
Endosulfan sulfate	ND		0.46	0.14	ug/L		12/18/15 08:20	12/21/15 12:30	10
Endrin	ND		0.46	0.13	ug/L		12/18/15 08:20	12/21/15 12:30	10
Endrin aldehyde	ND		0.46	0.15	ug/L		12/18/15 08:20	12/21/15 12:30	10
Endrin ketone	ND		0.46	0.11	ug/L		12/18/15 08:20	12/21/15 12:30	10
gamma-BHC (Lindane)	ND		0.46	0.074	ug/L		12/18/15 08:20	12/21/15 12:30	10
gamma-Chlordane	**0.11**	**J B**	0.46	0.10	ug/L		12/18/15 08:20	12/21/15 12:30	10

Client Sample ID: MW-1

Date Collected: 12/16/15 10:50
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-1

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		0.46	0.078	ug/L		12/18/15 08:20	12/21/15 12:30	10
Heptachlor epoxide	ND		0.46	0.068	ug/L		12/18/15 08:20	12/21/15 12:30	10
Methoxychlor	ND		0.46	0.13	ug/L		12/18/15 08:20	12/21/15 12:30	10
Toxaphene	ND		4.6	1.1	ug/L		12/18/15 08:20	12/21/15 12:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 12:30*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 12:30*	*10*
Tetrachloro-m-xylene	*64*		*36 - 120*	*12/18/15 08:20*	*12/21/15 12:30*	*10*
Tetrachloro-m-xylene	*102*		*36 - 120*	*12/18/15 08:20*	*12/21/15 12:30*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 19:06	1
PCB-1221	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 19:06	1
PCB-1232	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 19:06	1
PCB-1242	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 19:06	1
PCB-1248	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 19:06	1
PCB-1254	ND		0.49	0.25	ug/L		12/18/15 08:02	12/18/15 19:06	1
PCB-1260	ND		0.49	0.25	ug/L		12/18/15 08:02	12/18/15 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*24 - 137*	*12/18/15 08:02*	*12/18/15 19:06*	*1*
Tetrachloro-m-xylene	*71*		*24 - 137*	*12/18/15 08:02*	*12/18/15 19:06*	*1*
DCB Decachlorobiphenyl	*53*		*19 - 125*	*12/18/15 08:02*	*12/18/15 19:06*	*1*
DCB Decachlorobiphenyl	*57*		*19 - 125*	*12/18/15 08:02*	*12/18/15 19:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.1**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 20:21	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 20:21	1
Arsenic	ND		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 20:21	1
Barium	**0.39**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 20:21	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 20:21	1
Cadmium	**0.00056**	**J**	0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 20:21	1
Calcium	**205**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:21	1
Chromium	**0.0030**	**J**	0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 20:21	1
Cobalt	**0.0011**	**J**	0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 20:21	1
Copper	**0.017**		0.010	0.0016	mg/L		12/21/15 07:00	12/21/15 20:21	1
Iron	**10.4**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 20:21	1
Lead	**0.056**		0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 20:21	1
Magnesium	**88.4**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 20:21	1
Manganese	**0.91**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 20:21	1
Nickel	**0.0064**	**J**	0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 20:21	1
Potassium	**41.7**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:21	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 20:21	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 20:21	1
Sodium	**241**		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 20:21	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 20:21	1
Vanadium	**0.030**		0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 20:21	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-1
Date Collected: 12/16/15 10:50
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.11		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 20:21	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/21/15 07:10	12/21/15 14:29	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:10	12/21/15 14:29	1
Arsenic	ND		0.015	0.0056	mg/L		12/21/15 07:10	12/21/15 14:29	1
Barium	0.38		0.0020	0.00070	mg/L		12/21/15 07:10	12/21/15 14:29	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:10	12/21/15 14:29	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:10	12/21/15 14:29	1
Calcium	203		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:29	1
Chromium	ND		0.0040	0.0010	mg/L		12/21/15 07:10	12/21/15 14:29	1
Cobalt	ND		0.0040	0.00063	mg/L		12/21/15 07:10	12/21/15 14:29	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:10	12/21/15 14:29	1
Iron	7.8		0.050	0.019	mg/L		12/21/15 07:10	12/21/15 14:29	1
Lead	ND		0.010	0.0030	mg/L		12/21/15 07:10	12/21/15 14:29	1
Magnesium	88.4		0.20	0.043	mg/L		12/21/15 07:10	12/21/15 14:29	1
Manganese	0.88	B	0.0030	0.00040	mg/L		12/21/15 07:10	12/21/15 14:29	1
Nickel	ND		0.010	0.0013	mg/L		12/21/15 07:10	12/21/15 14:29	1
Potassium	42.2		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:29	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:10	12/21/15 14:29	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:10	12/21/15 14:29	1
Sodium	261		1.0	0.32	mg/L		12/21/15 07:10	12/21/15 14:29	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:10	12/21/15 14:29	1
Vanadium	0.0068		0.0050	0.0015	mg/L		12/21/15 07:10	12/21/15 14:29	1
Zinc	ND		0.010	0.0015	mg/L		12/21/15 07:10	12/21/15 14:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 13:46	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	15.4		1.0	0.43	mg/L			12/23/15 21:27	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-2
Date Collected: 12/16/15 14:15
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/30/15 16:17	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/30/15 16:17	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/30/15 16:17	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/30/15 16:17	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/30/15 16:17	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/30/15 16:17	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/30/15 16:17	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/30/15 16:17	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/30/15 16:17	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/30/15 16:17	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/30/15 16:17	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/30/15 16:17	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/30/15 16:17	10
2-Butanone (MEK)	ND		100	13	ug/L			12/30/15 16:17	10
2-Hexanone	ND		50	12	ug/L			12/30/15 16:17	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/30/15 16:17	10
Acetone	ND		100	30	ug/L			12/30/15 16:17	10
Benzene	ND		10	4.1	ug/L			12/30/15 16:17	10
Bromodichloromethane	ND		10	3.9	ug/L			12/30/15 16:17	10
Bromoform	ND		10	2.6	ug/L			12/30/15 16:17	10
Bromomethane	ND		10	6.9	ug/L			12/30/15 16:17	10
Carbon disulfide	ND		10	1.9	ug/L			12/30/15 16:17	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/30/15 16:17	10
Chlorobenzene	ND		10	7.5	ug/L			12/30/15 16:17	10
Dibromochloromethane	ND		10	3.2	ug/L			12/30/15 16:17	10
Chloroethane	ND		10	3.2	ug/L			12/30/15 16:17	10
Chloroform	ND		10	3.4	ug/L			12/30/15 16:17	10
Chloromethane	ND		10	3.5	ug/L			12/30/15 16:17	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/30/15 16:17	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/30/15 16:17	10
Cyclohexane	ND		10	1.8	ug/L			12/30/15 16:17	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/30/15 16:17	10
Ethylbenzene	ND		10	7.4	ug/L			12/30/15 16:17	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/30/15 16:17	10
Isopropylbenzene	ND		10	7.9	ug/L			12/30/15 16:17	10
Methyl acetate	ND		25	13	ug/L			12/30/15 16:17	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/30/15 16:17	10
Methylcyclohexane	ND		10	1.6	ug/L			12/30/15 16:17	10
Methylene Chloride	ND		10	4.4	ug/L			12/30/15 16:17	10
Styrene	ND		10	7.3	ug/L			12/30/15 16:17	10
Tetrachloroethene	ND		10	3.6	ug/L			12/30/15 16:17	10
Toluene	ND		10	5.1	ug/L			12/30/15 16:17	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/30/15 16:17	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/30/15 16:17	10
Trichloroethene	ND		10	4.6	ug/L			12/30/15 16:17	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/30/15 16:17	10
Vinyl chloride	ND		10	9.0	ug/L			12/30/15 16:17	10
Xylenes, Total	ND		20	6.6	ug/L			12/30/15 16:17	10

Client Sample ID: MW-2

Date Collected: 12/16/15 14:15
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-2

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*71 - 126*		*12/30/15 16:17*	*10*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/30/15 16:17*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*12/30/15 16:17*	*10*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*12/30/15 16:17*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.9	0.65	ug/L		12/19/15 08:29	01/07/16 05:35	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		12/19/15 08:29	01/07/16 05:35	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		12/19/15 08:29	01/07/16 05:35	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		12/19/15 08:29	01/07/16 05:35	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		12/19/15 08:29	01/07/16 05:35	1
2,4-Dimethylphenol	ND	*	4.9	0.49	ug/L		12/19/15 08:29	01/07/16 05:35	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		12/19/15 08:29	01/07/16 05:35	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		12/19/15 08:29	01/07/16 05:35	1
2,6-Dinitrotoluene	ND		4.9	0.40	ug/L		12/19/15 08:29	01/07/16 05:35	1
2-Chloronaphthalene	ND		4.9	0.46	ug/L		12/19/15 08:29	01/07/16 05:35	1
2-Chlorophenol	ND		4.9	0.52	ug/L		12/19/15 08:29	01/07/16 05:35	1
2-Methylphenol	ND		4.9	0.40	ug/L		12/19/15 08:29	01/07/16 05:35	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		12/19/15 08:29	01/07/16 05:35	1
2-Nitroaniline	ND		9.9	0.42	ug/L		12/19/15 08:29	01/07/16 05:35	1
2-Nitrophenol	ND		4.9	0.47	ug/L		12/19/15 08:29	01/07/16 05:35	1
3,3'-Dichlorobenzidine	ND		4.9	0.40	ug/L		12/19/15 08:29	01/07/16 05:35	1
3-Nitroaniline	ND		9.9	0.47	ug/L		12/19/15 08:29	01/07/16 05:35	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		12/19/15 08:29	01/07/16 05:35	1
4-Bromophenyl phenyl ether	ND		4.9	0.45	ug/L		12/19/15 08:29	01/07/16 05:35	1
4-Chloro-3-methylphenol	ND		4.9	0.45	ug/L		12/19/15 08:29	01/07/16 05:35	1
4-Chloroaniline	ND	*	4.9	0.58	ug/L		12/19/15 08:29	01/07/16 05:35	1
4-Chlorophenyl phenyl ether	ND		4.9	0.35	ug/L		12/19/15 08:29	01/07/16 05:35	1
4-Methylphenol	ND		9.9	0.36	ug/L		12/19/15 08:29	01/07/16 05:35	1
4-Nitroaniline	ND		9.9	0.25	ug/L		12/19/15 08:29	01/07/16 05:35	1
4-Nitrophenol	ND		9.9	1.5	ug/L		12/19/15 08:29	01/07/16 05:35	1
Acenaphthene	ND		4.9	0.41	ug/L		12/19/15 08:29	01/07/16 05:35	1
Acenaphthylene	ND		4.9	0.38	ug/L		12/19/15 08:29	01/07/16 05:35	1
Acetophenone	ND		4.9	0.53	ug/L		12/19/15 08:29	01/07/16 05:35	1
Anthracene	ND		4.9	0.28	ug/L		12/19/15 08:29	01/07/16 05:35	1
Atrazine	ND		4.9	0.46	ug/L		12/19/15 08:29	01/07/16 05:35	1
Benzaldehyde	**0.31**	**J**	4.9	0.26	ug/L		12/19/15 08:29	01/07/16 05:35	1
Benzo[a]anthracene	ND		4.9	0.36	ug/L		12/19/15 08:29	01/07/16 05:35	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		12/19/15 08:29	01/07/16 05:35	1
Benzo[b]fluoranthene	ND		4.9	0.34	ug/L		12/19/15 08:29	01/07/16 05:35	1
Benzo[g,h,i]perylene	ND		4.9	0.35	ug/L		12/19/15 08:29	01/07/16 05:35	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		12/19/15 08:29	01/07/16 05:35	1
Bis(2-chloroethoxy)methane	ND		4.9	0.35	ug/L		12/19/15 08:29	01/07/16 05:35	1
Bis(2-chloroethyl)ether	ND		4.9	0.40	ug/L		12/19/15 08:29	01/07/16 05:35	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		12/19/15 08:29	01/07/16 05:35	1
Butyl benzyl phthalate	ND		4.9	0.42	ug/L		12/19/15 08:29	01/07/16 05:35	1
Caprolactam	ND	*	4.9	2.2	ug/L		12/19/15 08:29	01/07/16 05:35	1
Carbazole	ND		4.9	0.30	ug/L		12/19/15 08:29	01/07/16 05:35	1
Chrysene	ND		4.9	0.33	ug/L		12/19/15 08:29	01/07/16 05:35	1

Client Sample ID: MW-2

Date Collected: 12/16/15 14:15
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		4.9	0.42	ug/L		12/19/15 08:29	01/07/16 05:35	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		12/19/15 08:29	01/07/16 05:35	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		12/19/15 08:29	01/07/16 05:35	1
Dibenzofuran	ND		9.9	0.50	ug/L		12/19/15 08:29	01/07/16 05:35	1
Diethyl phthalate	**0.26**	**J**	4.9	0.22	ug/L		12/19/15 08:29	01/07/16 05:35	1
Dimethyl phthalate	ND		4.9	0.36	ug/L		12/19/15 08:29	01/07/16 05:35	1
Fluoranthene	ND		4.9	0.40	ug/L		12/19/15 08:29	01/07/16 05:35	1
Fluorene	ND		4.9	0.36	ug/L		12/19/15 08:29	01/07/16 05:35	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		12/19/15 08:29	01/07/16 05:35	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		12/19/15 08:29	01/07/16 05:35	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		12/19/15 08:29	01/07/16 05:35	1
Hexachloroethane	ND		4.9	0.58	ug/L		12/19/15 08:29	01/07/16 05:35	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		12/19/15 08:29	01/07/16 05:35	1
Isophorone	ND		4.9	0.43	ug/L		12/19/15 08:29	01/07/16 05:35	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		12/19/15 08:29	01/07/16 05:35	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		12/19/15 08:29	01/07/16 05:35	1
Naphthalene	ND		4.9	0.75	ug/L		12/19/15 08:29	01/07/16 05:35	1
Nitrobenzene	ND		4.9	0.29	ug/L		12/19/15 08:29	01/07/16 05:35	1
Pentachlorophenol	ND		9.9	2.2	ug/L		12/19/15 08:29	01/07/16 05:35	1
Phenanthrene	ND		4.9	0.44	ug/L		12/19/15 08:29	01/07/16 05:35	1
Phenol	**1.2**	**J**	4.9	0.39	ug/L		12/19/15 08:29	01/07/16 05:35	1
Pyrene	ND		4.9	0.34	ug/L		12/19/15 08:29	01/07/16 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*46 - 120*	*12/19/15 08:29*	*01/07/16 05:35*	*1*
Phenol-d5 (Surr)	*27*		*16 - 120*	*12/19/15 08:29*	*01/07/16 05:35*	*1*
p-Terphenyl-d14 (Surr)	*76*		*67 - 150*	*12/19/15 08:29*	*01/07/16 05:35*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*12/19/15 08:29*	*01/07/16 05:35*	*1*
2-Fluorobiphenyl	*60*		*48 - 120*	*12/19/15 08:29*	*01/07/16 05:35*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 120*	*12/19/15 08:29*	*01/07/16 05:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048	0.0088	ug/L		12/18/15 08:20	12/21/15 12:48	1
4,4'-DDE	ND		0.048	0.011	ug/L		12/18/15 08:20	12/21/15 12:48	1
4,4'-DDT	ND		0.048	0.011	ug/L		12/18/15 08:20	12/21/15 12:48	1
Aldrin	ND		0.048	0.0078	ug/L		12/18/15 08:20	12/21/15 12:48	1
alpha-BHC	ND		0.048	0.0074	ug/L		12/18/15 08:20	12/21/15 12:48	1
alpha-Chlordane	ND		0.048	0.014	ug/L		12/18/15 08:20	12/21/15 12:48	1
beta-BHC	**0.041**	**J**	0.048	0.024	ug/L		12/18/15 08:20	12/21/15 12:48	1
delta-BHC	**0.034**	**J**	0.048	0.0096	ug/L		12/18/15 08:20	12/21/15 12:48	1
Dieldrin	ND		0.048	0.0094	ug/L		12/18/15 08:20	12/21/15 12:48	1
Endosulfan I	ND		0.048	0.011	ug/L		12/18/15 08:20	12/21/15 12:48	1
Endosulfan II	ND		0.048	0.012	ug/L		12/18/15 08:20	12/21/15 12:48	1
Endosulfan sulfate	ND		0.048	0.015	ug/L		12/18/15 08:20	12/21/15 12:48	1
Endrin	ND		0.048	0.013	ug/L		12/18/15 08:20	12/21/15 12:48	1
Endrin aldehyde	**0.018**	**J**	0.048	0.016	ug/L		12/18/15 08:20	12/21/15 12:48	1
Endrin ketone	ND		0.048	0.012	ug/L		12/18/15 08:20	12/21/15 12:48	1
gamma-BHC (Lindane)	**0.017**	**J**	0.048	0.0077	ug/L		12/18/15 08:20	12/21/15 12:48	1
gamma-Chlordane	ND		0.048	0.011	ug/L		12/18/15 08:20	12/21/15 12:48	1

Client Sample ID: MW-2

Date Collected: 12/16/15 14:15
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-2

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		0.048	0.0082	ug/L		12/18/15 08:20	12/21/15 12:48	1
Heptachlor epoxide	**0.012**	**J**	0.048	0.0071	ug/L		12/18/15 08:20	12/21/15 12:48	1
Methoxychlor	ND		0.048	0.014	ug/L		12/18/15 08:20	12/21/15 12:48	1
Toxaphene	ND		0.48	0.12	ug/L		12/18/15 08:20	12/21/15 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*20 - 120*	*12/18/15 08:20*	*12/21/15 12:48*	*1*
DCB Decachlorobiphenyl	*72*		*20 - 120*	*12/18/15 08:20*	*12/21/15 12:48*	*1*
Tetrachloro-m-xylene	*83*		*36 - 120*	*12/18/15 08:20*	*12/21/15 12:48*	*1*
Tetrachloro-m-xylene	*84*		*36 - 120*	*12/18/15 08:20*	*12/21/15 12:48*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		12/18/15 08:02	12/18/15 19:21	1
PCB-1221	ND		0.47	0.16	ug/L		12/18/15 08:02	12/18/15 19:21	1
PCB-1232	ND		0.47	0.16	ug/L		12/18/15 08:02	12/18/15 19:21	1
PCB-1242	ND		0.47	0.16	ug/L		12/18/15 08:02	12/18/15 19:21	1
PCB-1248	ND		0.47	0.16	ug/L		12/18/15 08:02	12/18/15 19:21	1
PCB-1254	ND		0.47	0.23	ug/L		12/18/15 08:02	12/18/15 19:21	1
PCB-1260	ND		0.47	0.23	ug/L		12/18/15 08:02	12/18/15 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*24 - 137*	*12/18/15 08:02*	*12/18/15 19:21*	*1*
Tetrachloro-m-xylene	*69*		*24 - 137*	*12/18/15 08:02*	*12/18/15 19:21*	*1*
DCB Decachlorobiphenyl	*75*		*19 - 125*	*12/18/15 08:02*	*12/18/15 19:21*	*1*
DCB Decachlorobiphenyl	*84*		*19 - 125*	*12/18/15 08:02*	*12/18/15 19:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.17**	**J**	0.20	0.060	mg/L		12/21/15 07:00	12/21/15 20:24	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 20:24	1
Arsenic	ND		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 20:24	1
Barium	**0.42**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 20:24	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 20:24	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 20:24	1
Calcium	**181**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:24	1
Chromium	ND		0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 20:24	1
Cobalt	**0.0019**	**J**	0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 20:24	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:00	12/21/15 20:24	1
Iron	**11.0**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 20:24	1
Lead	**0.0048**	**J**	0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 20:24	1
Magnesium	**34.4**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 20:24	1
Manganese	**0.71**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 20:24	1
Nickel	**0.0043**	**J**	0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 20:24	1
Potassium	**17.3**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:24	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 20:24	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 20:24	1
Sodium	**36.5**		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 20:24	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 20:24	1
Vanadium	**0.0016**	**J**	0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 20:24	1

Client Sample ID: MW-2

Date Collected: 12/16/15 14:15
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-2

Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**0.018**		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 20:24	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/21/15 07:10	12/21/15 14:32	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:10	12/21/15 14:32	1
Arsenic	**0.0056**	**J**	0.015	0.0056	mg/L		12/21/15 07:10	12/21/15 14:32	1
Barium	**0.42**		0.0020	0.00070	mg/L		12/21/15 07:10	12/21/15 14:32	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:10	12/21/15 14:32	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:10	12/21/15 14:32	1
Calcium	**177**		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:32	1
Chromium	ND		0.0040	0.0010	mg/L		12/21/15 07:10	12/21/15 14:32	1
Cobalt	**0.0013**	**J**	0.0040	0.00063	mg/L		12/21/15 07:10	12/21/15 14:32	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:10	12/21/15 14:32	1
Iron	**10.8**		0.050	0.019	mg/L		12/21/15 07:10	12/21/15 14:32	1
Lead	ND		0.010	0.0030	mg/L		12/21/15 07:10	12/21/15 14:32	1
Magnesium	**33.3**		0.20	0.043	mg/L		12/21/15 07:10	12/21/15 14:32	1
Manganese	**0.69**	**B**	0.0030	0.00040	mg/L		12/21/15 07:10	12/21/15 14:32	1
Nickel	**0.0024**	**J**	0.010	0.0013	mg/L		12/21/15 07:10	12/21/15 14:32	1
Potassium	**17.3**		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:32	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:10	12/21/15 14:32	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:10	12/21/15 14:32	1
Sodium	**37.4**		1.0	0.32	mg/L		12/21/15 07:10	12/21/15 14:32	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:10	12/21/15 14:32	1
Vanadium	ND		0.0050	0.0015	mg/L		12/21/15 07:10	12/21/15 14:32	1
Zinc	**0.012**		0.010	0.0015	mg/L		12/21/15 07:10	12/21/15 14:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 13:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**9.2**		1.0	0.43	mg/L			12/23/15 21:56	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-3
Date Collected: 12/16/15 14:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/30/15 16:42	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/30/15 16:42	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/30/15 16:42	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/30/15 16:42	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/30/15 16:42	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/30/15 16:42	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/30/15 16:42	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/30/15 16:42	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/30/15 16:42	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/30/15 16:42	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/30/15 16:42	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/30/15 16:42	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/30/15 16:42	10
2-Butanone (MEK)	ND		100	13	ug/L			12/30/15 16:42	10
2-Hexanone	ND		50	12	ug/L			12/30/15 16:42	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/30/15 16:42	10
Acetone	ND		100	30	ug/L			12/30/15 16:42	10
Benzene	ND		10	4.1	ug/L			12/30/15 16:42	10
Bromodichloromethane	ND		10	3.9	ug/L			12/30/15 16:42	10
Bromoform	ND		10	2.6	ug/L			12/30/15 16:42	10
Bromomethane	ND		10	6.9	ug/L			12/30/15 16:42	10
Carbon disulfide	ND		10	1.9	ug/L			12/30/15 16:42	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/30/15 16:42	10
Chlorobenzene	ND		10	7.5	ug/L			12/30/15 16:42	10
Dibromochloromethane	ND		10	3.2	ug/L			12/30/15 16:42	10
Chloroethane	ND		10	3.2	ug/L			12/30/15 16:42	10
Chloroform	ND		10	3.4	ug/L			12/30/15 16:42	10
Chloromethane	ND		10	3.5	ug/L			12/30/15 16:42	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/30/15 16:42	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/30/15 16:42	10
Cyclohexane	ND		10	1.8	ug/L			12/30/15 16:42	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/30/15 16:42	10
Ethylbenzene	ND		10	7.4	ug/L			12/30/15 16:42	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/30/15 16:42	10
Isopropylbenzene	ND		10	7.9	ug/L			12/30/15 16:42	10
Methyl acetate	ND		25	13	ug/L			12/30/15 16:42	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/30/15 16:42	10
Methylcyclohexane	**6.1**	**J**	10	1.6	ug/L			12/30/15 16:42	10
Methylene Chloride	ND		10	4.4	ug/L			12/30/15 16:42	10
Styrene	ND		10	7.3	ug/L			12/30/15 16:42	10
Tetrachloroethene	ND		10	3.6	ug/L			12/30/15 16:42	10
Toluene	ND		10	5.1	ug/L			12/30/15 16:42	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/30/15 16:42	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/30/15 16:42	10
Trichloroethene	ND		10	4.6	ug/L			12/30/15 16:42	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/30/15 16:42	10
Vinyl chloride	ND		10	9.0	ug/L			12/30/15 16:42	10
Xylenes, Total	ND		20	6.6	ug/L			12/30/15 16:42	10

Client Sample ID: MW-3

Date Collected: 12/16/15 14:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/30/15 16:42*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/30/15 16:42*	*10*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/30/15 16:42*	*10*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*12/30/15 16:42*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.5	0.72	ug/L		12/19/15 08:29	01/07/16 06:04	1
bis (2-chloroisopropyl) ether	ND		5.5	0.58	ug/L		12/19/15 08:29	01/07/16 06:04	1
2,4,5-Trichlorophenol	ND		5.5	0.53	ug/L		12/19/15 08:29	01/07/16 06:04	1
2,4,6-Trichlorophenol	ND		5.5	0.68	ug/L		12/19/15 08:29	01/07/16 06:04	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		12/19/15 08:29	01/07/16 06:04	1
2,4-Dimethylphenol	ND	*	5.5	0.55	ug/L		12/19/15 08:29	01/07/16 06:04	1
2,4-Dinitrophenol	ND		11	2.5	ug/L		12/19/15 08:29	01/07/16 06:04	1
2,4-Dinitrotoluene	ND		5.5	0.50	ug/L		12/19/15 08:29	01/07/16 06:04	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		12/19/15 08:29	01/07/16 06:04	1
2-Chloronaphthalene	ND		5.5	0.51	ug/L		12/19/15 08:29	01/07/16 06:04	1
2-Chlorophenol	ND		5.5	0.59	ug/L		12/19/15 08:29	01/07/16 06:04	1
2-Methylphenol	ND		5.5	0.44	ug/L		12/19/15 08:29	01/07/16 06:04	1
2-Methylnaphthalene	ND		5.5	0.66	ug/L		12/19/15 08:29	01/07/16 06:04	1
2-Nitroaniline	ND		11	0.47	ug/L		12/19/15 08:29	01/07/16 06:04	1
2-Nitrophenol	ND		5.5	0.53	ug/L		12/19/15 08:29	01/07/16 06:04	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		12/19/15 08:29	01/07/16 06:04	1
3-Nitroaniline	ND		11	0.53	ug/L		12/19/15 08:29	01/07/16 06:04	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		12/19/15 08:29	01/07/16 06:04	1
4-Bromophenyl phenyl ether	ND		5.5	0.50	ug/L		12/19/15 08:29	01/07/16 06:04	1
4-Chloro-3-methylphenol	ND		5.5	0.50	ug/L		12/19/15 08:29	01/07/16 06:04	1
4-Chloroaniline	ND	*	5.5	0.65	ug/L		12/19/15 08:29	01/07/16 06:04	1
4-Chlorophenyl phenyl ether	ND		5.5	0.39	ug/L		12/19/15 08:29	01/07/16 06:04	1
4-Methylphenol	ND		11	0.40	ug/L		12/19/15 08:29	01/07/16 06:04	1
4-Nitroaniline	ND		11	0.28	ug/L		12/19/15 08:29	01/07/16 06:04	1
4-Nitrophenol	ND		11	1.7	ug/L		12/19/15 08:29	01/07/16 06:04	1
Acenaphthene	**1.1**	**J**	5.5	0.45	ug/L		12/19/15 08:29	01/07/16 06:04	1
Acenaphthylene	ND		5.5	0.42	ug/L		12/19/15 08:29	01/07/16 06:04	1
Acetophenone	ND		5.5	0.60	ug/L		12/19/15 08:29	01/07/16 06:04	1
Anthracene	ND		5.5	0.31	ug/L		12/19/15 08:29	01/07/16 06:04	1
Atrazine	ND		5.5	0.51	ug/L		12/19/15 08:29	01/07/16 06:04	1
Benzaldehyde	ND		5.5	0.30	ug/L		12/19/15 08:29	01/07/16 06:04	1
Benzo[a]anthracene	ND		5.5	0.40	ug/L		12/19/15 08:29	01/07/16 06:04	1
Benzo[a]pyrene	ND		5.5	0.52	ug/L		12/19/15 08:29	01/07/16 06:04	1
Benzo[b]fluoranthene	**0.67**	**J**	5.5	0.38	ug/L		12/19/15 08:29	01/07/16 06:04	1
Benzo[g,h,i]perylene	ND		5.5	0.39	ug/L		12/19/15 08:29	01/07/16 06:04	1
Benzo[k]fluoranthene	ND		5.5	0.81	ug/L		12/19/15 08:29	01/07/16 06:04	1
Bis(2-chloroethoxy)methane	ND		5.5	0.39	ug/L		12/19/15 08:29	01/07/16 06:04	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		12/19/15 08:29	01/07/16 06:04	1
Bis(2-ethylhexyl) phthalate	ND		5.5	2.0	ug/L		12/19/15 08:29	01/07/16 06:04	1
Butyl benzyl phthalate	ND		5.5	0.47	ug/L		12/19/15 08:29	01/07/16 06:04	1
Caprolactam	ND	*	5.5	2.4	ug/L		12/19/15 08:29	01/07/16 06:04	1
Carbazole	ND		5.5	0.33	ug/L		12/19/15 08:29	01/07/16 06:04	1
Chrysene	**0.64**	**J**	5.5	0.37	ug/L		12/19/15 08:29	01/07/16 06:04	1

Client Sample ID: MW-3

Date Collected: 12/16/15 14:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.5	0.47	ug/L		12/19/15 08:29	01/07/16 06:04	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		12/19/15 08:29	01/07/16 06:04	1
Di-n-octyl phthalate	ND		5.5	0.52	ug/L		12/19/15 08:29	01/07/16 06:04	1
Dibenzofuran	ND		11	0.56	ug/L		12/19/15 08:29	01/07/16 06:04	1
Diethyl phthalate	ND		5.5	0.24	ug/L		12/19/15 08:29	01/07/16 06:04	1
Dimethyl phthalate	ND		5.5	0.40	ug/L		12/19/15 08:29	01/07/16 06:04	1
Fluoranthene	**1.3**	**J**	5.5	0.44	ug/L		12/19/15 08:29	01/07/16 06:04	1
Fluorene	**0.90**	**J**	5.5	0.40	ug/L		12/19/15 08:29	01/07/16 06:04	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		12/19/15 08:29	01/07/16 06:04	1
Hexachlorobutadiene	ND		5.5	0.75	ug/L		12/19/15 08:29	01/07/16 06:04	1
Hexachlorocyclopentadiene	ND		5.5	0.65	ug/L		12/19/15 08:29	01/07/16 06:04	1
Hexachloroethane	ND		5.5	0.65	ug/L		12/19/15 08:29	01/07/16 06:04	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.52	ug/L		12/19/15 08:29	01/07/16 06:04	1
Isophorone	ND		5.5	0.48	ug/L		12/19/15 08:29	01/07/16 06:04	1
N-Nitrosodi-n-propylamine	ND		5.5	0.60	ug/L		12/19/15 08:29	01/07/16 06:04	1
N-Nitrosodiphenylamine	**0.86**	**J**	5.5	0.56	ug/L		12/19/15 08:29	01/07/16 06:04	1
Naphthalene	ND		5.5	0.84	ug/L		12/19/15 08:29	01/07/16 06:04	1
Nitrobenzene	**8.9**		5.5	0.32	ug/L		12/19/15 08:29	01/07/16 06:04	1
Pentachlorophenol	ND		11	2.4	ug/L		12/19/15 08:29	01/07/16 06:04	1
Phenanthrene	**1.1**	**J**	5.5	0.49	ug/L		12/19/15 08:29	01/07/16 06:04	1
Phenol	ND		5.5	0.43	ug/L		12/19/15 08:29	01/07/16 06:04	1
Pyrene	**1.1**	**J**	5.5	0.38	ug/L		12/19/15 08:29	01/07/16 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*46 - 120*	*12/19/15 08:29*	*01/07/16 06:04*	*1*
Phenol-d5 (Surr)	*27*		*16 - 120*	*12/19/15 08:29*	*01/07/16 06:04*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*12/19/15 08:29*	*01/07/16 06:04*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*52 - 132*	*12/19/15 08:29*	*01/07/16 06:04*	*1*
2-Fluorobiphenyl	*65*		*48 - 120*	*12/19/15 08:29*	*01/07/16 06:04*	*1*
2-Fluorophenol (Surr)	*28*		*20 - 120*	*12/19/15 08:29*	*01/07/16 06:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.5	0.47	ug/L		12/18/15 08:20	12/21/15 13:07	50
4,4'-DDE	ND		2.5	0.59	ug/L		12/18/15 08:20	12/21/15 13:07	50
4,4'-DDT	ND		2.5	0.56	ug/L		12/18/15 08:20	12/21/15 13:07	50
Aldrin	ND		2.5	0.41	ug/L		12/18/15 08:20	12/21/15 13:07	50
alpha-BHC	**0.46**	**J B**	2.5	0.39	ug/L		12/18/15 08:20	12/21/15 13:07	50
alpha-Chlordane	ND		2.5	0.75	ug/L		12/18/15 08:20	12/21/15 13:07	50
beta-BHC	ND		2.5	1.3	ug/L		12/18/15 08:20	12/21/15 13:07	50
delta-BHC	ND		2.5	0.51	ug/L		12/18/15 08:20	12/21/15 13:07	50
Dieldrin	ND		2.5	0.50	ug/L		12/18/15 08:20	12/21/15 13:07	50
Endosulfan I	ND		2.5	0.56	ug/L		12/18/15 08:20	12/21/15 13:07	50
Endosulfan II	ND		2.5	0.61	ug/L		12/18/15 08:20	12/21/15 13:07	50
Endosulfan sulfate	ND		2.5	0.80	ug/L		12/18/15 08:20	12/21/15 13:07	50
Endrin	ND		2.5	0.70	ug/L		12/18/15 08:20	12/21/15 13:07	50
Endrin aldehyde	ND		2.5	0.83	ug/L		12/18/15 08:20	12/21/15 13:07	50
Endrin ketone	ND		2.5	0.61	ug/L		12/18/15 08:20	12/21/15 13:07	50
gamma-BHC (Lindane)	ND		2.5	0.41	ug/L		12/18/15 08:20	12/21/15 13:07	50
gamma-Chlordane	ND		2.5	0.56	ug/L		12/18/15 08:20	12/21/15 13:07	50

Client Sample ID: MW-3

Date Collected: 12/16/15 14:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-3

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		2.5	0.43	ug/L		12/18/15 08:20	12/21/15 13:07	50
Heptachlor epoxide	ND		2.5	0.37	ug/L		12/18/15 08:20	12/21/15 13:07	50
Methoxychlor	ND		2.5	0.71	ug/L		12/18/15 08:20	12/21/15 13:07	50
Toxaphene	ND		25	6.1	ug/L		12/18/15 08:20	12/21/15 13:07	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 13:07*	*50*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 13:07*	*50*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 13:07*	*50*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 13:07*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 19:36	1
PCB-1221	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 19:36	1
PCB-1232	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 19:36	1
PCB-1242	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 19:36	1
PCB-1248	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 19:36	1
PCB-1254	ND		0.53	0.27	ug/L		12/18/15 08:02	12/18/15 19:36	1
PCB-1260	ND		0.53	0.27	ug/L		12/18/15 08:02	12/18/15 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*24 - 137*	*12/18/15 08:02*	*12/18/15 19:36*	*1*
Tetrachloro-m-xylene	*50*		*24 - 137*	*12/18/15 08:02*	*12/18/15 19:36*	*1*
DCB Decachlorobiphenyl	*37*		*19 - 125*	*12/18/15 08:02*	*12/18/15 19:36*	*1*
DCB Decachlorobiphenyl	*44*		*19 - 125*	*12/18/15 08:02*	*12/18/15 19:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**525**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 20:27	1
Antimony	ND		0.10	0.034	mg/L		12/21/15 07:00	12/21/15 20:31	5
Arsenic	**0.11**		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 20:27	1
Barium	**4.3**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 20:27	1
Beryllium	**0.022**		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 20:27	1
Cadmium	ND		0.010	0.0025	mg/L		12/21/15 07:00	12/21/15 20:31	5
Calcium	**368**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:27	1
Chromium	**1.1**		0.020	0.0050	mg/L		12/21/15 07:00	12/21/15 20:31	5
Cobalt	**0.57**		0.020	0.0032	mg/L		12/21/15 07:00	12/21/15 20:31	5
Copper	**2.0**		0.050	0.0080	mg/L		12/21/15 07:00	12/21/15 20:31	5
Iron	**1060**	**B**	0.25	0.097	mg/L		12/21/15 07:00	12/21/15 20:31	5
Lead	**5.5**		0.050	0.015	mg/L		12/21/15 07:00	12/21/15 20:31	5
Magnesium	**260**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 20:27	1
Manganese	**16.7**		0.015	0.0020	mg/L		12/21/15 07:00	12/21/15 20:31	5
Nickel	**1.2**		0.050	0.0063	mg/L		12/21/15 07:00	12/21/15 20:31	5
Potassium	**139**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:27	1
Selenium	ND		0.13	0.044	mg/L		12/21/15 07:00	12/21/15 20:31	5
Silver	ND		0.030	0.0085	mg/L		12/21/15 07:00	12/21/15 20:31	5
Sodium	**36.7**		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 20:27	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 20:27	1
Vanadium	**1.4**		0.025	0.0075	mg/L		12/21/15 07:00	12/21/15 20:31	5

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-3
Date Collected: 12/16/15 14:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	3.8		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 20:27	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/21/15 07:10	12/21/15 14:36	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:10	12/21/15 14:36	1
Arsenic	0.010	J	0.015	0.0056	mg/L		12/21/15 07:10	12/21/15 14:36	1
Barium	0.32		0.0020	0.00070	mg/L		12/21/15 07:10	12/21/15 14:36	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:10	12/21/15 14:36	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:10	12/21/15 14:36	1
Calcium	195		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:36	1
Chromium	ND		0.0040	0.0010	mg/L		12/21/15 07:10	12/21/15 14:36	1
Cobalt	0.0049		0.0040	0.00063	mg/L		12/21/15 07:10	12/21/15 14:36	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:10	12/21/15 14:36	1
Iron	15.1		0.050	0.019	mg/L		12/21/15 07:10	12/21/15 14:36	1
Lead	ND		0.010	0.0030	mg/L		12/21/15 07:10	12/21/15 14:36	1
Magnesium	70.9		0.20	0.043	mg/L		12/21/15 07:10	12/21/15 14:36	1
Manganese	1.1	B	0.0030	0.00040	mg/L		12/21/15 07:10	12/21/15 14:36	1
Nickel	0.0055	J	0.010	0.0013	mg/L		12/21/15 07:10	12/21/15 14:36	1
Potassium	33.1		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:36	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:10	12/21/15 14:36	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:10	12/21/15 14:36	1
Sodium	50.9		1.0	0.32	mg/L		12/21/15 07:10	12/21/15 14:36	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:10	12/21/15 14:36	1
Vanadium	0.0032	J	0.0050	0.0015	mg/L		12/21/15 07:10	12/21/15 14:36	1
Zinc	0.0068	J	0.010	0.0015	mg/L		12/21/15 07:10	12/21/15 14:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0058		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 13:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	19.9		5.0	2.2	mg/L			12/23/15 22:26	5

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-4
Date Collected: 12/16/15 11:00
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/30/15 19:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/30/15 19:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/30/15 19:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/30/15 19:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/30/15 19:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/30/15 19:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/30/15 19:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/30/15 19:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/30/15 19:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/30/15 19:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/30/15 19:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/30/15 19:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/30/15 19:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/30/15 19:49	1
2-Hexanone	ND		5.0	1.2	ug/L			12/30/15 19:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/30/15 19:49	1
Acetone	**5.4**	**J**	10	3.0	ug/L			12/30/15 19:49	1
Benzene	ND		1.0	0.41	ug/L			12/30/15 19:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/30/15 19:49	1
Bromoform	ND		1.0	0.26	ug/L			12/30/15 19:49	1
Bromomethane	ND		1.0	0.69	ug/L			12/30/15 19:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/30/15 19:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/30/15 19:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/30/15 19:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/30/15 19:49	1
Chloroethane	ND		1.0	0.32	ug/L			12/30/15 19:49	1
Chloroform	ND		1.0	0.34	ug/L			12/30/15 19:49	1
Chloromethane	ND		1.0	0.35	ug/L			12/30/15 19:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/30/15 19:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/30/15 19:49	1
Cyclohexane	ND		1.0	0.18	ug/L			12/30/15 19:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/15 19:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/30/15 19:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/30/15 19:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/30/15 19:49	1
Methyl acetate	ND		2.5	1.3	ug/L			12/30/15 19:49	1
Methyl tert-butyl ether	**1.3**		1.0	0.16	ug/L			12/30/15 19:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/30/15 19:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/30/15 19:49	1
Styrene	ND		1.0	0.73	ug/L			12/30/15 19:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/30/15 19:49	1
Toluene	ND		1.0	0.51	ug/L			12/30/15 19:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/30/15 19:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/30/15 19:49	1
Trichloroethene	ND		1.0	0.46	ug/L			12/30/15 19:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/30/15 19:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/30/15 19:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/30/15 19:49	1

Client Sample ID: MW-4

Date Collected: 12/16/15 11:00
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/30/15 19:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/30/15 19:49*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/30/15 19:49*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/30/15 19:49*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.66	ug/L		12/19/15 08:29	01/07/16 06:33	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/19/15 08:29	01/07/16 06:33	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/19/15 08:29	01/07/16 06:33	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/19/15 08:29	01/07/16 06:33	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/19/15 08:29	01/07/16 06:33	1
2,4-Dimethylphenol	ND	*	5.0	0.50	ug/L		12/19/15 08:29	01/07/16 06:33	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/19/15 08:29	01/07/16 06:33	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/19/15 08:29	01/07/16 06:33	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/19/15 08:29	01/07/16 06:33	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/19/15 08:29	01/07/16 06:33	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/19/15 08:29	01/07/16 06:33	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/19/15 08:29	01/07/16 06:33	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/19/15 08:29	01/07/16 06:33	1
2-Nitroaniline	ND		10	0.42	ug/L		12/19/15 08:29	01/07/16 06:33	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/19/15 08:29	01/07/16 06:33	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/19/15 08:29	01/07/16 06:33	1
3-Nitroaniline	ND		10	0.48	ug/L		12/19/15 08:29	01/07/16 06:33	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/19/15 08:29	01/07/16 06:33	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/19/15 08:29	01/07/16 06:33	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/19/15 08:29	01/07/16 06:33	1
4-Chloroaniline	ND	*	5.0	0.59	ug/L		12/19/15 08:29	01/07/16 06:33	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/19/15 08:29	01/07/16 06:33	1
4-Methylphenol	**0.44**	**J**	10	0.36	ug/L		12/19/15 08:29	01/07/16 06:33	1
4-Nitroaniline	ND		10	0.25	ug/L		12/19/15 08:29	01/07/16 06:33	1
4-Nitrophenol	ND		10	1.5	ug/L		12/19/15 08:29	01/07/16 06:33	1
Acenaphthene	ND		5.0	0.41	ug/L		12/19/15 08:29	01/07/16 06:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/19/15 08:29	01/07/16 06:33	1
Acetophenone	ND		5.0	0.54	ug/L		12/19/15 08:29	01/07/16 06:33	1
Anthracene	ND		5.0	0.28	ug/L		12/19/15 08:29	01/07/16 06:33	1
Atrazine	ND		5.0	0.46	ug/L		12/19/15 08:29	01/07/16 06:33	1
Benzaldehyde	**0.98**	**J**	5.0	0.27	ug/L		12/19/15 08:29	01/07/16 06:33	1
Benzo[a]anthracene	**0.39**	**J**	5.0	0.36	ug/L		12/19/15 08:29	01/07/16 06:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/19/15 08:29	01/07/16 06:33	1
Benzo[b]fluoranthene	**0.56**	**J**	5.0	0.34	ug/L		12/19/15 08:29	01/07/16 06:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/19/15 08:29	01/07/16 06:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/19/15 08:29	01/07/16 06:33	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/19/15 08:29	01/07/16 06:33	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/19/15 08:29	01/07/16 06:33	1
Bis(2-ethylhexyl) phthalate	**2.5**	**J**	5.0	1.8	ug/L		12/19/15 08:29	01/07/16 06:33	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		12/19/15 08:29	01/07/16 06:33	1
Caprolactam	ND	*	5.0	2.2	ug/L		12/19/15 08:29	01/07/16 06:33	1
Carbazole	ND		5.0	0.30	ug/L		12/19/15 08:29	01/07/16 06:33	1
Chrysene	**0.42**	**J**	5.0	0.33	ug/L		12/19/15 08:29	01/07/16 06:33	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-4
Date Collected: 12/16/15 11:00
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/19/15 08:29	01/07/16 06:33	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/19/15 08:29	01/07/16 06:33	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/19/15 08:29	01/07/16 06:33	1
Dibenzofuran	ND		10	0.51	ug/L		12/19/15 08:29	01/07/16 06:33	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/19/15 08:29	01/07/16 06:33	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/19/15 08:29	01/07/16 06:33	1
Fluoranthene	**1.0**	**J**	5.0	0.40	ug/L		12/19/15 08:29	01/07/16 06:33	1
Fluorene	ND		5.0	0.36	ug/L		12/19/15 08:29	01/07/16 06:33	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/19/15 08:29	01/07/16 06:33	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/19/15 08:29	01/07/16 06:33	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/19/15 08:29	01/07/16 06:33	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/19/15 08:29	01/07/16 06:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/19/15 08:29	01/07/16 06:33	1
Isophorone	ND		5.0	0.43	ug/L		12/19/15 08:29	01/07/16 06:33	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/19/15 08:29	01/07/16 06:33	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/19/15 08:29	01/07/16 06:33	1
Naphthalene	ND		5.0	0.76	ug/L		12/19/15 08:29	01/07/16 06:33	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/19/15 08:29	01/07/16 06:33	1
Pentachlorophenol	ND		10	2.2	ug/L		12/19/15 08:29	01/07/16 06:33	1
Phenanthrene	**0.78**	**J**	5.0	0.44	ug/L		12/19/15 08:29	01/07/16 06:33	1
Phenol	ND		5.0	0.39	ug/L		12/19/15 08:29	01/07/16 06:33	1
Pyrene	**0.85**	**J**	5.0	0.34	ug/L		12/19/15 08:29	01/07/16 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*46 - 120*	*12/19/15 08:29*	*01/07/16 06:33*	*1*
Phenol-d5 (Surr)	*28*		*16 - 120*	*12/19/15 08:29*	*01/07/16 06:33*	*1*
p-Terphenyl-d14 (Surr)	*68*		*67 - 150*	*12/19/15 08:29*	*01/07/16 06:33*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*12/19/15 08:29*	*01/07/16 06:33*	*1*
2-Fluorobiphenyl	*63*		*48 - 120*	*12/19/15 08:29*	*01/07/16 06:33*	*1*
2-Fluorophenol (Surr)	*41*		*20 - 120*	*12/19/15 08:29*	*01/07/16 06:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.17**	**J**	0.50	0.091	ug/L		12/18/15 08:20	12/21/15 13:25	10
4,4'-DDE	**0.27**	**J**	0.50	0.11	ug/L		12/18/15 08:20	12/21/15 13:25	10
4,4'-DDT	ND		0.50	0.11	ug/L		12/18/15 08:20	12/21/15 13:25	10
Aldrin	ND		0.50	0.080	ug/L		12/18/15 08:20	12/21/15 13:25	10
alpha-BHC	ND		0.50	0.076	ug/L		12/18/15 08:20	12/21/15 13:25	10
alpha-Chlordane	ND		0.50	0.15	ug/L		12/18/15 08:20	12/21/15 13:25	10
beta-BHC	ND		0.50	0.25	ug/L		12/18/15 08:20	12/21/15 13:25	10
delta-BHC	ND		0.50	0.099	ug/L		12/18/15 08:20	12/21/15 13:25	10
Dieldrin	ND		0.50	0.097	ug/L		12/18/15 08:20	12/21/15 13:25	10
Endosulfan I	ND		0.50	0.11	ug/L		12/18/15 08:20	12/21/15 13:25	10
Endosulfan II	ND		0.50	0.12	ug/L		12/18/15 08:20	12/21/15 13:25	10
Endosulfan sulfate	ND		0.50	0.16	ug/L		12/18/15 08:20	12/21/15 13:25	10
Endrin	ND		0.50	0.14	ug/L		12/18/15 08:20	12/21/15 13:25	10
Endrin aldehyde	ND		0.50	0.16	ug/L		12/18/15 08:20	12/21/15 13:25	10
Endrin ketone	ND		0.50	0.12	ug/L		12/18/15 08:20	12/21/15 13:25	10
gamma-BHC (Lindane)	ND		0.50	0.079	ug/L		12/18/15 08:20	12/21/15 13:25	10
gamma-Chlordane	ND		0.50	0.11	ug/L		12/18/15 08:20	12/21/15 13:25	10

Client Sample ID: MW-4

Date Collected: 12/16/15 11:00
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-4

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		0.50	0.084	ug/L		12/18/15 08:20	12/21/15 13:25	10
Heptachlor epoxide	ND		0.50	0.073	ug/L		12/18/15 08:20	12/21/15 13:25	10
Methoxychlor	ND		0.50	0.14	ug/L		12/18/15 08:20	12/21/15 13:25	10
Toxaphene	ND		5.0	1.2	ug/L		12/18/15 08:20	12/21/15 13:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 13:25*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 13:25*	*10*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 13:25*	*10*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 13:25*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		12/18/15 08:02	12/18/15 19:51	1
PCB-1221	ND		0.50	0.18	ug/L		12/18/15 08:02	12/18/15 19:51	1
PCB-1232	ND		0.50	0.18	ug/L		12/18/15 08:02	12/18/15 19:51	1
PCB-1242	ND		0.50	0.18	ug/L		12/18/15 08:02	12/18/15 19:51	1
PCB-1248	ND		0.50	0.18	ug/L		12/18/15 08:02	12/18/15 19:51	1
PCB-1254	ND		0.50	0.25	ug/L		12/18/15 08:02	12/18/15 19:51	1
PCB-1260	ND		0.50	0.25	ug/L		12/18/15 08:02	12/18/15 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*24 - 137*	*12/18/15 08:02*	*12/18/15 19:51*	*1*
Tetrachloro-m-xylene	*60*		*24 - 137*	*12/18/15 08:02*	*12/18/15 19:51*	*1*
DCB Decachlorobiphenyl	*44*		*19 - 125*	*12/18/15 08:02*	*12/18/15 19:51*	*1*
DCB Decachlorobiphenyl	*50*		*19 - 125*	*12/18/15 08:02*	*12/18/15 19:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**106**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 20:34	1
Antimony	**0.10**		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 20:34	1
Arsenic	**0.19**		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 20:34	1
Barium	**5.3**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 20:34	1
Beryllium	**0.0043**		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 20:34	1
Cadmium	**0.035**		0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 20:34	1
Calcium	**238**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:34	1
Chromium	**0.41**		0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 20:34	1
Cobalt	**0.074**		0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 20:34	1
Copper	**5.2**		0.010	0.0016	mg/L		12/21/15 07:00	12/21/15 20:34	1
Iron	**456**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 20:34	1
Lead	**9.5**		0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 20:34	1
Magnesium	**72.8**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 20:34	1
Manganese	**4.3**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 20:34	1
Nickel	**0.72**		0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 20:34	1
Potassium	**85.1**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:34	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 20:34	1
Silver	**0.053**		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 20:34	1
Sodium	**245**		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 20:34	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 20:34	1
Vanadium	**2.0**		0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 20:34	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-4
Date Collected: 12/16/15 11:00
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**12.3**		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 20:34	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/21/15 07:10	12/21/15 14:39	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:10	12/21/15 14:39	1
Arsenic	**0.0070**	**J**	0.015	0.0056	mg/L		12/21/15 07:10	12/21/15 14:39	1
Barium	**1.5**		0.0020	0.00070	mg/L		12/21/15 07:10	12/21/15 14:39	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:10	12/21/15 14:39	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:10	12/21/15 14:39	1
Calcium	**109**		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:39	1
Chromium	ND		0.0040	0.0010	mg/L		12/21/15 07:10	12/21/15 14:39	1
Cobalt	ND		0.0040	0.00063	mg/L		12/21/15 07:10	12/21/15 14:39	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:10	12/21/15 14:39	1
Iron	**21.4**		0.050	0.019	mg/L		12/21/15 07:10	12/21/15 14:39	1
Lead	ND		0.010	0.0030	mg/L		12/21/15 07:10	12/21/15 14:39	1
Magnesium	**48.1**		0.20	0.043	mg/L		12/21/15 07:10	12/21/15 14:39	1
Manganese	**0.23**	**B**	0.0030	0.00040	mg/L		12/21/15 07:10	12/21/15 14:39	1
Nickel	**0.0048**	**J**	0.010	0.0013	mg/L		12/21/15 07:10	12/21/15 14:39	1
Potassium	**76.4**		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:39	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:10	12/21/15 14:39	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:10	12/21/15 14:39	1
Sodium	**275**		1.0	0.32	mg/L		12/21/15 07:10	12/21/15 14:39	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:10	12/21/15 14:39	1
Vanadium	**0.0084**		0.0050	0.0015	mg/L		12/21/15 07:10	12/21/15 14:39	1
Zinc	**0.010**		0.010	0.0015	mg/L		12/21/15 07:10	12/21/15 14:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0078**		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 13:56	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**12.0**		1.0	0.43	mg/L			12/23/15 22:56	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-5
Date Collected: 12/16/15 14:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/30/15 17:32	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/30/15 17:32	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/30/15 17:32	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/30/15 17:32	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/30/15 17:32	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/30/15 17:32	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/30/15 17:32	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/30/15 17:32	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/30/15 17:32	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/30/15 17:32	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/30/15 17:32	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/30/15 17:32	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/30/15 17:32	10
2-Butanone (MEK)	ND		100	13	ug/L			12/30/15 17:32	10
2-Hexanone	ND		50	12	ug/L			12/30/15 17:32	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/30/15 17:32	10
Acetone	ND		100	30	ug/L			12/30/15 17:32	10
Benzene	ND		10	4.1	ug/L			12/30/15 17:32	10
Bromodichloromethane	ND		10	3.9	ug/L			12/30/15 17:32	10
Bromoform	ND		10	2.6	ug/L			12/30/15 17:32	10
Bromomethane	ND		10	6.9	ug/L			12/30/15 17:32	10
Carbon disulfide	ND		10	1.9	ug/L			12/30/15 17:32	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/30/15 17:32	10
Chlorobenzene	ND		10	7.5	ug/L			12/30/15 17:32	10
Dibromochloromethane	ND		10	3.2	ug/L			12/30/15 17:32	10
Chloroethane	ND		10	3.2	ug/L			12/30/15 17:32	10
Chloroform	ND		10	3.4	ug/L			12/30/15 17:32	10
Chloromethane	ND		10	3.5	ug/L			12/30/15 17:32	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/30/15 17:32	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/30/15 17:32	10
Cyclohexane	ND		10	1.8	ug/L			12/30/15 17:32	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/30/15 17:32	10
Ethylbenzene	ND		10	7.4	ug/L			12/30/15 17:32	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/30/15 17:32	10
Isopropylbenzene	ND		10	7.9	ug/L			12/30/15 17:32	10
Methyl acetate	ND		25	13	ug/L			12/30/15 17:32	10
Methyl tert-butyl ether	**2.9**	**J**	10	1.6	ug/L			12/30/15 17:32	10
Methylcyclohexane	ND		10	1.6	ug/L			12/30/15 17:32	10
Methylene Chloride	ND		10	4.4	ug/L			12/30/15 17:32	10
Styrene	ND		10	7.3	ug/L			12/30/15 17:32	10
Tetrachloroethene	ND		10	3.6	ug/L			12/30/15 17:32	10
Toluene	ND		10	5.1	ug/L			12/30/15 17:32	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/30/15 17:32	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/30/15 17:32	10
Trichloroethene	ND		10	4.6	ug/L			12/30/15 17:32	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/30/15 17:32	10
Vinyl chloride	ND		10	9.0	ug/L			12/30/15 17:32	10
Xylenes, Total	ND		20	6.6	ug/L			12/30/15 17:32	10

Client Sample ID: MW-5

Date Collected: 12/16/15 14:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*71 - 126*		*12/30/15 17:32*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/30/15 17:32*	*10*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/30/15 17:32*	*10*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*12/30/15 17:32*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.7	0.61	ug/L		12/19/15 08:29	01/07/16 07:01	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		12/19/15 08:29	01/07/16 07:01	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		12/19/15 08:29	01/07/16 07:01	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		12/19/15 08:29	01/07/16 07:01	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		12/19/15 08:29	01/07/16 07:01	1
2,4-Dimethylphenol	ND	*	4.7	0.47	ug/L		12/19/15 08:29	01/07/16 07:01	1
2,4-Dinitrophenol	ND		9.4	2.1	ug/L		12/19/15 08:29	01/07/16 07:01	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		12/19/15 08:29	01/07/16 07:01	1
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L		12/19/15 08:29	01/07/16 07:01	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		12/19/15 08:29	01/07/16 07:01	1
2-Chlorophenol	ND		4.7	0.50	ug/L		12/19/15 08:29	01/07/16 07:01	1
2-Methylphenol	ND		4.7	0.38	ug/L		12/19/15 08:29	01/07/16 07:01	1
2-Methylnaphthalene	**2.3**	**J**	4.7	0.56	ug/L		12/19/15 08:29	01/07/16 07:01	1
2-Nitroaniline	ND		9.4	0.40	ug/L		12/19/15 08:29	01/07/16 07:01	1
2-Nitrophenol	ND		4.7	0.45	ug/L		12/19/15 08:29	01/07/16 07:01	1
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L		12/19/15 08:29	01/07/16 07:01	1
3-Nitroaniline	ND		9.4	0.45	ug/L		12/19/15 08:29	01/07/16 07:01	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		12/19/15 08:29	01/07/16 07:01	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		12/19/15 08:29	01/07/16 07:01	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		12/19/15 08:29	01/07/16 07:01	1
4-Chloroaniline	ND	*	4.7	0.56	ug/L		12/19/15 08:29	01/07/16 07:01	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		12/19/15 08:29	01/07/16 07:01	1
4-Methylphenol	ND		9.4	0.34	ug/L		12/19/15 08:29	01/07/16 07:01	1
4-Nitroaniline	ND		9.4	0.24	ug/L		12/19/15 08:29	01/07/16 07:01	1
4-Nitrophenol	ND		9.4	1.4	ug/L		12/19/15 08:29	01/07/16 07:01	1
Acenaphthene	**0.65**	**J**	4.7	0.39	ug/L		12/19/15 08:29	01/07/16 07:01	1
Acenaphthylene	ND		4.7	0.36	ug/L		12/19/15 08:29	01/07/16 07:01	1
Acetophenone	ND		4.7	0.51	ug/L		12/19/15 08:29	01/07/16 07:01	1
Anthracene	ND		4.7	0.26	ug/L		12/19/15 08:29	01/07/16 07:01	1
Atrazine	ND		4.7	0.43	ug/L		12/19/15 08:29	01/07/16 07:01	1
Benzaldehyde	**0.61**	**J**	4.7	0.25	ug/L		12/19/15 08:29	01/07/16 07:01	1
Benzo[a]anthracene	ND		4.7	0.34	ug/L		12/19/15 08:29	01/07/16 07:01	1
Benzo[a]pyrene	ND		4.7	0.44	ug/L		12/19/15 08:29	01/07/16 07:01	1
Benzo[b]fluoranthene	**0.39**	**J**	4.7	0.32	ug/L		12/19/15 08:29	01/07/16 07:01	1
Benzo[g,h,i]perylene	ND		4.7	0.33	ug/L		12/19/15 08:29	01/07/16 07:01	1
Benzo[k]fluoranthene	ND		4.7	0.69	ug/L		12/19/15 08:29	01/07/16 07:01	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		12/19/15 08:29	01/07/16 07:01	1
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L		12/19/15 08:29	01/07/16 07:01	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		12/19/15 08:29	01/07/16 07:01	1
Butyl benzyl phthalate	ND		4.7	0.40	ug/L		12/19/15 08:29	01/07/16 07:01	1
Caprolactam	ND	*	4.7	2.1	ug/L		12/19/15 08:29	01/07/16 07:01	1
Carbazole	ND		4.7	0.28	ug/L		12/19/15 08:29	01/07/16 07:01	1
Chrysene	**0.41**	**J**	4.7	0.31	ug/L		12/19/15 08:29	01/07/16 07:01	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-5
Date Collected: 12/16/15 14:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		4.7	0.40	ug/L		12/19/15 08:29	01/07/16 07:01	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		12/19/15 08:29	01/07/16 07:01	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		12/19/15 08:29	01/07/16 07:01	1
Dibenzofuran	ND		9.4	0.48	ug/L		12/19/15 08:29	01/07/16 07:01	1
Diethyl phthalate	ND		4.7	0.21	ug/L		12/19/15 08:29	01/07/16 07:01	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		12/19/15 08:29	01/07/16 07:01	1
Fluoranthene	**0.75**	**J**	4.7	0.38	ug/L		12/19/15 08:29	01/07/16 07:01	1
Fluorene	ND		4.7	0.34	ug/L		12/19/15 08:29	01/07/16 07:01	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		12/19/15 08:29	01/07/16 07:01	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		12/19/15 08:29	01/07/16 07:01	1
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L		12/19/15 08:29	01/07/16 07:01	1
Hexachloroethane	ND		4.7	0.56	ug/L		12/19/15 08:29	01/07/16 07:01	1
Indeno[1,2,3-cd]pyrene	ND		4.7	0.44	ug/L		12/19/15 08:29	01/07/16 07:01	1
Isophorone	ND		4.7	0.40	ug/L		12/19/15 08:29	01/07/16 07:01	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		12/19/15 08:29	01/07/16 07:01	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		12/19/15 08:29	01/07/16 07:01	1
Naphthalene	**0.99**	**J**	4.7	0.72	ug/L		12/19/15 08:29	01/07/16 07:01	1
Nitrobenzene	ND		4.7	0.27	ug/L		12/19/15 08:29	01/07/16 07:01	1
Pentachlorophenol	ND		9.4	2.1	ug/L		12/19/15 08:29	01/07/16 07:01	1
Phenanthrene	**0.87**	**J**	4.7	0.41	ug/L		12/19/15 08:29	01/07/16 07:01	1
Phenol	ND		4.7	0.37	ug/L		12/19/15 08:29	01/07/16 07:01	1
Pyrene	**0.58**	**J**	4.7	0.32	ug/L		12/19/15 08:29	01/07/16 07:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*59*		*46 - 120*	*12/19/15 08:29*	*01/07/16 07:01*	*1*
Phenol-d5 (Surr)	*28*		*16 - 120*	*12/19/15 08:29*	*01/07/16 07:01*	*1*
p-Terphenyl-d14 (Surr)	*69*		*67 - 150*	*12/19/15 08:29*	*01/07/16 07:01*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*12/19/15 08:29*	*01/07/16 07:01*	*1*
2-Fluorobiphenyl	*63*		*48 - 120*	*12/19/15 08:29*	*01/07/16 07:01*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 120*	*12/19/15 08:29*	*01/07/16 07:01*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.26**	**J**	0.51	0.093	ug/L		12/18/15 08:20	12/21/15 13:44	10
4,4'-DDE	**0.31**	**J**	0.51	0.12	ug/L		12/18/15 08:20	12/21/15 13:44	10
4,4'-DDT	ND		0.51	0.11	ug/L		12/18/15 08:20	12/21/15 13:44	10
Aldrin	ND		0.51	0.082	ug/L		12/18/15 08:20	12/21/15 13:44	10
alpha-BHC	ND		0.51	0.078	ug/L		12/18/15 08:20	12/21/15 13:44	10
alpha-Chlordane	ND		0.51	0.15	ug/L		12/18/15 08:20	12/21/15 13:44	10
beta-BHC	ND		0.51	0.25	ug/L		12/18/15 08:20	12/21/15 13:44	10
delta-BHC	ND		0.51	0.10	ug/L		12/18/15 08:20	12/21/15 13:44	10
Dieldrin	ND		0.51	0.099	ug/L		12/18/15 08:20	12/21/15 13:44	10
Endosulfan I	ND		0.51	0.11	ug/L		12/18/15 08:20	12/21/15 13:44	10
Endosulfan II	ND		0.51	0.12	ug/L		12/18/15 08:20	12/21/15 13:44	10
Endosulfan sulfate	ND		0.51	0.16	ug/L		12/18/15 08:20	12/21/15 13:44	10
Endrin	ND		0.51	0.14	ug/L		12/18/15 08:20	12/21/15 13:44	10
Endrin aldehyde	ND		0.51	0.16	ug/L		12/18/15 08:20	12/21/15 13:44	10
Endrin ketone	ND		0.51	0.12	ug/L		12/18/15 08:20	12/21/15 13:44	10
gamma-BHC (Lindane)	**0.11**	**J**	0.51	0.081	ug/L		12/18/15 08:20	12/21/15 13:44	10
gamma-Chlordane	ND		0.51	0.11	ug/L		12/18/15 08:20	12/21/15 13:44	10

Client Sample ID: MW-5

Date Collected: 12/16/15 14:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-5

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		0.51	0.086	ug/L		12/18/15 08:20	12/21/15 13:44	10
Heptachlor epoxide	ND		0.51	0.075	ug/L		12/18/15 08:20	12/21/15 13:44	10
Methoxychlor	ND		0.51	0.14	ug/L		12/18/15 08:20	12/21/15 13:44	10
Toxaphene	ND		5.1	1.2	ug/L		12/18/15 08:20	12/21/15 13:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 13:44*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 13:44*	*10*
Tetrachloro-m-xylene	*57*		*36 - 120*	*12/18/15 08:20*	*12/21/15 13:44*	*10*
Tetrachloro-m-xylene	*113*		*36 - 120*	*12/18/15 08:20*	*12/21/15 13:44*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 20:05	1
PCB-1221	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 20:05	1
PCB-1232	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 20:05	1
PCB-1242	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 20:05	1
PCB-1248	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 20:05	1
PCB-1254	**0.27**	**J**	0.47	0.24	ug/L		12/18/15 08:02	12/18/15 20:05	1
PCB-1260	ND		0.47	0.24	ug/L		12/18/15 08:02	12/18/15 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*24 - 137*	*12/18/15 08:02*	*12/18/15 20:05*	*1*
Tetrachloro-m-xylene	*59*		*24 - 137*	*12/18/15 08:02*	*12/18/15 20:05*	*1*
DCB Decachlorobiphenyl	*42*		*19 - 125*	*12/18/15 08:02*	*12/18/15 20:05*	*1*
DCB Decachlorobiphenyl	*49*		*19 - 125*	*12/18/15 08:02*	*12/18/15 20:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**177**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 20:51	1
Antimony	**0.035**		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 20:51	1
Arsenic	**0.29**		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 20:51	1
Barium	**5.0**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 20:51	1
Beryllium	**0.0067**		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 20:51	1
Cadmium	**0.063**		0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 20:51	1
Calcium	**1740**		2.5	0.50	mg/L		12/21/15 07:00	12/21/15 20:38	5
Chromium	**0.85**		0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 20:51	1
Cobalt	**0.15**		0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 20:51	1
Copper	**5.7**		0.050	0.0080	mg/L		12/21/15 07:00	12/21/15 20:38	5
Iron	**560**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 20:51	1
Lead	**34.5**		0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 20:51	1
Magnesium	**917**		1.0	0.22	mg/L		12/21/15 07:00	12/21/15 20:38	5
Manganese	**8.0**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 20:51	1
Nickel	**0.86**		0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 20:51	1
Potassium	**82.0**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:51	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 20:51	1
Silver	**0.037**		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 20:51	1
Sodium	**81.7**		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 20:51	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 20:51	1
Vanadium	**1.2**		0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 20:51	1

Client Sample ID: MW-5

Date Collected: 12/16/15 14:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-5

Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**12.4**		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 20:51	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/21/15 07:10	12/21/15 14:42	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:10	12/21/15 14:42	1
Arsenic	**0.0075**	**J**	0.015	0.0056	mg/L		12/21/15 07:10	12/21/15 14:42	1
Barium	**0.46**		0.0020	0.00070	mg/L		12/21/15 07:10	12/21/15 14:42	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:10	12/21/15 14:42	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:10	12/21/15 14:42	1
Calcium	**229**		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:42	1
Chromium	ND		0.0040	0.0010	mg/L		12/21/15 07:10	12/21/15 14:42	1
Cobalt	**0.00072**	**J**	0.0040	0.00063	mg/L		12/21/15 07:10	12/21/15 14:42	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:10	12/21/15 14:42	1
Iron	**28.5**		0.050	0.019	mg/L		12/21/15 07:10	12/21/15 14:42	1
Lead	**0.013**		0.010	0.0030	mg/L		12/21/15 07:10	12/21/15 14:42	1
Magnesium	**108**		0.20	0.043	mg/L		12/21/15 07:10	12/21/15 14:42	1
Manganese	**0.92**	**B**	0.0030	0.00040	mg/L		12/21/15 07:10	12/21/15 14:42	1
Nickel	**0.0032**	**J**	0.010	0.0013	mg/L		12/21/15 07:10	12/21/15 14:42	1
Potassium	**49.4**		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:42	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:10	12/21/15 14:42	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:10	12/21/15 14:42	1
Sodium	**65.1**		1.0	0.32	mg/L		12/21/15 07:10	12/21/15 14:42	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:10	12/21/15 14:42	1
Vanadium	**0.0018**	**J**	0.0050	0.0015	mg/L		12/21/15 07:10	12/21/15 14:42	1
Zinc	**0.082**		0.010	0.0015	mg/L		12/21/15 07:10	12/21/15 14:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**		0.0010	0.00060	mg/L		12/21/15 08:40	12/21/15 14:09	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**32.3**		1.0	0.43	mg/L			12/23/15 23:25	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-6
Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/30/15 17:58	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/30/15 17:58	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/30/15 17:58	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/30/15 17:58	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/30/15 17:58	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/30/15 17:58	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/30/15 17:58	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/30/15 17:58	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/30/15 17:58	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/30/15 17:58	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/30/15 17:58	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/30/15 17:58	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/30/15 17:58	10
2-Butanone (MEK)	ND		100	13	ug/L			12/30/15 17:58	10
2-Hexanone	ND		50	12	ug/L			12/30/15 17:58	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/30/15 17:58	10
Acetone	ND		100	30	ug/L			12/30/15 17:58	10
Benzene	ND		10	4.1	ug/L			12/30/15 17:58	10
Bromodichloromethane	ND		10	3.9	ug/L			12/30/15 17:58	10
Bromoform	ND		10	2.6	ug/L			12/30/15 17:58	10
Bromomethane	ND		10	6.9	ug/L			12/30/15 17:58	10
Carbon disulfide	ND		10	1.9	ug/L			12/30/15 17:58	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/30/15 17:58	10
Chlorobenzene	ND		10	7.5	ug/L			12/30/15 17:58	10
Dibromochloromethane	ND		10	3.2	ug/L			12/30/15 17:58	10
Chloroethane	ND		10	3.2	ug/L			12/30/15 17:58	10
Chloroform	ND		10	3.4	ug/L			12/30/15 17:58	10
Chloromethane	ND		10	3.5	ug/L			12/30/15 17:58	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/30/15 17:58	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/30/15 17:58	10
Cyclohexane	ND		10	1.8	ug/L			12/30/15 17:58	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/30/15 17:58	10
Ethylbenzene	ND		10	7.4	ug/L			12/30/15 17:58	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/30/15 17:58	10
Isopropylbenzene	ND		10	7.9	ug/L			12/30/15 17:58	10
Methyl acetate	ND		25	13	ug/L			12/30/15 17:58	10
Methyl tert-butyl ether	**5.5**	**J**	10	1.6	ug/L			12/30/15 17:58	10
Methylcyclohexane	ND		10	1.6	ug/L			12/30/15 17:58	10
Methylene Chloride	ND		10	4.4	ug/L			12/30/15 17:58	10
Styrene	ND		10	7.3	ug/L			12/30/15 17:58	10
Tetrachloroethene	ND		10	3.6	ug/L			12/30/15 17:58	10
Toluene	ND		10	5.1	ug/L			12/30/15 17:58	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/30/15 17:58	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/30/15 17:58	10
Trichloroethene	ND		10	4.6	ug/L			12/30/15 17:58	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/30/15 17:58	10
Vinyl chloride	ND		10	9.0	ug/L			12/30/15 17:58	10
Xylenes, Total	ND		20	6.6	ug/L			12/30/15 17:58	10

Client Sample ID: MW-6

Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-6

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*71 - 126*		*12/30/15 17:58*	*10*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/30/15 17:58*	*10*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/30/15 17:58*	*10*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/30/15 17:58*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.6	0.73	ug/L		12/19/15 08:29	01/07/16 07:30	1
bis (2-chloroisopropyl) ether	ND		5.6	0.58	ug/L		12/19/15 08:29	01/07/16 07:30	1
2,4,5-Trichlorophenol	ND		5.6	0.54	ug/L		12/19/15 08:29	01/07/16 07:30	1
2,4,6-Trichlorophenol	ND		5.6	0.68	ug/L		12/19/15 08:29	01/07/16 07:30	1
2,4-Dichlorophenol	ND		5.6	0.57	ug/L		12/19/15 08:29	01/07/16 07:30	1
2,4-Dimethylphenol	ND	*	5.6	0.56	ug/L		12/19/15 08:29	01/07/16 07:30	1
2,4-Dinitrophenol	ND		11	2.5	ug/L		12/19/15 08:29	01/07/16 07:30	1
2,4-Dinitrotoluene	ND		5.6	0.50	ug/L		12/19/15 08:29	01/07/16 07:30	1
2,6-Dinitrotoluene	ND		5.6	0.45	ug/L		12/19/15 08:29	01/07/16 07:30	1
2-Chloronaphthalene	ND		5.6	0.51	ug/L		12/19/15 08:29	01/07/16 07:30	1
2-Chlorophenol	ND		5.6	0.59	ug/L		12/19/15 08:29	01/07/16 07:30	1
2-Methylphenol	ND		5.6	0.45	ug/L		12/19/15 08:29	01/07/16 07:30	1
2-Methylnaphthalene	**2.5**	**J**	5.6	0.67	ug/L		12/19/15 08:29	01/07/16 07:30	1
2-Nitroaniline	ND		11	0.47	ug/L		12/19/15 08:29	01/07/16 07:30	1
2-Nitrophenol	ND		5.6	0.54	ug/L		12/19/15 08:29	01/07/16 07:30	1
3,3'-Dichlorobenzidine	ND		5.6	0.45	ug/L		12/19/15 08:29	01/07/16 07:30	1
3-Nitroaniline	ND		11	0.54	ug/L		12/19/15 08:29	01/07/16 07:30	1
4,6-Dinitro-2-methylphenol	ND		11	2.5	ug/L		12/19/15 08:29	01/07/16 07:30	1
4-Bromophenyl phenyl ether	ND		5.6	0.50	ug/L		12/19/15 08:29	01/07/16 07:30	1
4-Chloro-3-methylphenol	ND		5.6	0.50	ug/L		12/19/15 08:29	01/07/16 07:30	1
4-Chloroaniline	ND	*	5.6	0.66	ug/L		12/19/15 08:29	01/07/16 07:30	1
4-Chlorophenyl phenyl ether	ND		5.6	0.39	ug/L		12/19/15 08:29	01/07/16 07:30	1
4-Methylphenol	ND		11	0.40	ug/L		12/19/15 08:29	01/07/16 07:30	1
4-Nitroaniline	ND		11	0.28	ug/L		12/19/15 08:29	01/07/16 07:30	1
4-Nitrophenol	ND		11	1.7	ug/L		12/19/15 08:29	01/07/16 07:30	1
Acenaphthene	ND		5.6	0.46	ug/L		12/19/15 08:29	01/07/16 07:30	1
Acenaphthylene	**0.53**	**J**	5.6	0.42	ug/L		12/19/15 08:29	01/07/16 07:30	1
Acetophenone	ND		5.6	0.60	ug/L		12/19/15 08:29	01/07/16 07:30	1
Anthracene	**0.92**	**J**	5.6	0.31	ug/L		12/19/15 08:29	01/07/16 07:30	1
Atrazine	ND		5.6	0.51	ug/L		12/19/15 08:29	01/07/16 07:30	1
Benzaldehyde	**2.6**	**J**	5.6	0.30	ug/L		12/19/15 08:29	01/07/16 07:30	1
Benzo[a]anthracene	**1.4**	**J**	5.6	0.40	ug/L		12/19/15 08:29	01/07/16 07:30	1
Benzo[a]pyrene	**1.2**	**J**	5.6	0.52	ug/L		12/19/15 08:29	01/07/16 07:30	1
Benzo[b]fluoranthene	**1.7**	**J**	5.6	0.38	ug/L		12/19/15 08:29	01/07/16 07:30	1
Benzo[g,h,i]perylene	**0.45**	**J**	5.6	0.39	ug/L		12/19/15 08:29	01/07/16 07:30	1
Benzo[k]fluoranthene	ND		5.6	0.81	ug/L		12/19/15 08:29	01/07/16 07:30	1
Bis(2-chloroethoxy)methane	ND		5.6	0.39	ug/L		12/19/15 08:29	01/07/16 07:30	1
Bis(2-chloroethyl)ether	ND		5.6	0.45	ug/L		12/19/15 08:29	01/07/16 07:30	1
Bis(2-ethylhexyl) phthalate	ND		5.6	2.0	ug/L		12/19/15 08:29	01/07/16 07:30	1
Butyl benzyl phthalate	ND		5.6	0.47	ug/L		12/19/15 08:29	01/07/16 07:30	1
Caprolactam	ND	*	5.6	2.5	ug/L		12/19/15 08:29	01/07/16 07:30	1
Carbazole	**0.76**	**J**	5.6	0.33	ug/L		12/19/15 08:29	01/07/16 07:30	1
Chrysene	**1.6**	**J**	5.6	0.37	ug/L		12/19/15 08:29	01/07/16 07:30	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-6
Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.6	0.47	ug/L		12/19/15 08:29	01/07/16 07:30	1
Di-n-butyl phthalate	ND		5.6	0.35	ug/L		12/19/15 08:29	01/07/16 07:30	1
Di-n-octyl phthalate	ND		5.6	0.52	ug/L		12/19/15 08:29	01/07/16 07:30	1
Dibenzofuran	ND		11	0.57	ug/L		12/19/15 08:29	01/07/16 07:30	1
Diethyl phthalate	ND		5.6	0.25	ug/L		12/19/15 08:29	01/07/16 07:30	1
Dimethyl phthalate	ND		5.6	0.40	ug/L		12/19/15 08:29	01/07/16 07:30	1
Fluoranthene	**4.3**	**J**	5.6	0.45	ug/L		12/19/15 08:29	01/07/16 07:30	1
Fluorene	**1.3**	**J**	5.6	0.40	ug/L		12/19/15 08:29	01/07/16 07:30	1
Hexachlorobenzene	ND		5.6	0.57	ug/L		12/19/15 08:29	01/07/16 07:30	1
Hexachlorobutadiene	ND		5.6	0.76	ug/L		12/19/15 08:29	01/07/16 07:30	1
Hexachlorocyclopentadiene	ND		5.6	0.66	ug/L		12/19/15 08:29	01/07/16 07:30	1
Hexachloroethane	ND		5.6	0.66	ug/L		12/19/15 08:29	01/07/16 07:30	1
Indeno[1,2,3-cd]pyrene	ND		5.6	0.52	ug/L		12/19/15 08:29	01/07/16 07:30	1
Isophorone	ND		5.6	0.48	ug/L		12/19/15 08:29	01/07/16 07:30	1
N-Nitrosodi-n-propylamine	ND		5.6	0.60	ug/L		12/19/15 08:29	01/07/16 07:30	1
N-Nitrosodiphenylamine	ND		5.6	0.57	ug/L		12/19/15 08:29	01/07/16 07:30	1
Naphthalene	**1.1**	**J**	5.6	0.85	ug/L		12/19/15 08:29	01/07/16 07:30	1
Nitrobenzene	ND		5.6	0.32	ug/L		12/19/15 08:29	01/07/16 07:30	1
Pentachlorophenol	ND		11	2.5	ug/L		12/19/15 08:29	01/07/16 07:30	1
Phenanthrene	**4.9**	**J**	5.6	0.49	ug/L		12/19/15 08:29	01/07/16 07:30	1
Phenol	ND		5.6	0.44	ug/L		12/19/15 08:29	01/07/16 07:30	1
Pyrene	**3.4**	**J**	5.6	0.38	ug/L		12/19/15 08:29	01/07/16 07:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*12/19/15 08:29*	*01/07/16 07:30*	*1*
Phenol-d5 (Surr)	*33*		*16 - 120*	*12/19/15 08:29*	*01/07/16 07:30*	*1*
p-Terphenyl-d14 (Surr)	*69*		*67 - 150*	*12/19/15 08:29*	*01/07/16 07:30*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*12/19/15 08:29*	*01/07/16 07:30*	*1*
2-Fluorobiphenyl	*62*		*48 - 120*	*12/19/15 08:29*	*01/07/16 07:30*	*1*
2-Fluorophenol (Surr)	*44*		*20 - 120*	*12/19/15 08:29*	*01/07/16 07:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.7	0.49	ug/L		12/18/15 08:20	12/21/15 14:03	50
4,4'-DDE	**0.79**	**J**	2.7	0.62	ug/L		12/18/15 08:20	12/21/15 14:03	50
4,4'-DDT	ND		2.7	0.58	ug/L		12/18/15 08:20	12/21/15 14:03	50
Aldrin	ND		2.7	0.43	ug/L		12/18/15 08:20	12/21/15 14:03	50
alpha-BHC	ND		2.7	0.41	ug/L		12/18/15 08:20	12/21/15 14:03	50
alpha-Chlordane	ND		2.7	0.78	ug/L		12/18/15 08:20	12/21/15 14:03	50
beta-BHC	ND		2.7	1.3	ug/L		12/18/15 08:20	12/21/15 14:03	50
delta-BHC	ND		2.7	0.53	ug/L		12/18/15 08:20	12/21/15 14:03	50
Dieldrin	ND		2.7	0.52	ug/L		12/18/15 08:20	12/21/15 14:03	50
Endosulfan I	ND		2.7	0.58	ug/L		12/18/15 08:20	12/21/15 14:03	50
Endosulfan II	ND		2.7	0.64	ug/L		12/18/15 08:20	12/21/15 14:03	50
Endosulfan sulfate	ND		2.7	0.83	ug/L		12/18/15 08:20	12/21/15 14:03	50
Endrin	ND		2.7	0.73	ug/L		12/18/15 08:20	12/21/15 14:03	50
Endrin aldehyde	ND		2.7	0.86	ug/L		12/18/15 08:20	12/21/15 14:03	50
Endrin ketone	ND		2.7	0.64	ug/L		12/18/15 08:20	12/21/15 14:03	50
gamma-BHC (Lindane)	ND		2.7	0.42	ug/L		12/18/15 08:20	12/21/15 14:03	50
gamma-Chlordane	ND		2.7	0.58	ug/L		12/18/15 08:20	12/21/15 14:03	50

Client Sample ID: MW-6

Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-6

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		2.7	0.45	ug/L		12/18/15 08:20	12/21/15 14:03	50
Heptachlor epoxide	ND		2.7	0.39	ug/L		12/18/15 08:20	12/21/15 14:03	50
Methoxychlor	ND		2.7	0.75	ug/L		12/18/15 08:20	12/21/15 14:03	50
Toxaphene	ND		27	6.4	ug/L		12/18/15 08:20	12/21/15 14:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 14:03*	*50*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 14:03*	*50*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 14:03*	*50*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 14:03*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 21:49	1
PCB-1221	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 21:49	1
PCB-1232	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 21:49	1
PCB-1242	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 21:49	1
PCB-1248	ND		0.53	0.19	ug/L		12/18/15 08:02	12/18/15 21:49	1
PCB-1254	**0.44**	**J**	0.53	0.27	ug/L		12/18/15 08:02	12/18/15 21:49	1
PCB-1260	**0.46**	**J**	0.53	0.27	ug/L		12/18/15 08:02	12/18/15 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*24 - 137*	*12/18/15 08:02*	*12/18/15 21:49*	*1*
Tetrachloro-m-xylene	*65*		*24 - 137*	*12/18/15 08:02*	*12/18/15 21:49*	*1*
DCB Decachlorobiphenyl	*34*		*19 - 125*	*12/18/15 08:02*	*12/18/15 21:49*	*1*
DCB Decachlorobiphenyl	*41*		*19 - 125*	*12/18/15 08:02*	*12/18/15 21:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**125**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 20:54	1
Antimony	**0.036**		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 20:54	1
Arsenic	**0.12**		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 20:54	1
Barium	**3.2**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 20:54	1
Beryllium	**0.0045**		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 20:54	1
Cadmium	**0.018**		0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 20:54	1
Calcium	**254**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:54	1
Chromium	**0.33**		0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 20:54	1
Cobalt	**0.10**		0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 20:54	1
Copper	**2.8**		0.010	0.0016	mg/L		12/21/15 07:00	12/21/15 20:54	1
Iron	**302**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 20:54	1
Lead	**6.4**		0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 20:54	1
Magnesium	**119**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 20:54	1
Manganese	**4.8**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 20:54	1
Nickel	**0.54**		0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 20:54	1
Potassium	**283**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 20:54	1
Selenium	**0.0090**	**J**	0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 20:54	1
Silver	**0.026**		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 20:54	1
Sodium	**891**		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 20:54	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 20:54	1
Vanadium	**1.3**		0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 20:54	1

Client Sample ID: MW-6

Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-6

Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**7.7**		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 20:54	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/21/15 07:10	12/21/15 14:46	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:10	12/21/15 14:46	1
Arsenic	**0.0081**	**J**	0.015	0.0056	mg/L		12/21/15 07:10	12/21/15 14:46	1
Barium	**0.29**		0.0020	0.00070	mg/L		12/21/15 07:10	12/21/15 14:46	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:10	12/21/15 14:46	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:10	12/21/15 14:46	1
Calcium	**101**		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:46	1
Chromium	**0.0025**	**J**	0.0040	0.0010	mg/L		12/21/15 07:10	12/21/15 14:46	1
Cobalt	**0.0043**		0.0040	0.00063	mg/L		12/21/15 07:10	12/21/15 14:46	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:10	12/21/15 14:46	1
Iron	**4.4**		0.050	0.019	mg/L		12/21/15 07:10	12/21/15 14:46	1
Lead	ND		0.010	0.0030	mg/L		12/21/15 07:10	12/21/15 14:46	1
Magnesium	**75.2**		0.20	0.043	mg/L		12/21/15 07:10	12/21/15 14:46	1
Manganese	**0.74**	**B**	0.0030	0.00040	mg/L		12/21/15 07:10	12/21/15 14:46	1
Nickel	**0.011**		0.010	0.0013	mg/L		12/21/15 07:10	12/21/15 14:46	1
Potassium	**277**		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:46	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:10	12/21/15 14:46	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:10	12/21/15 14:46	1
Sodium	**1040**		1.0	0.32	mg/L		12/21/15 07:10	12/21/15 14:46	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:10	12/21/15 14:46	1
Vanadium	**0.0017**	**J**	0.0050	0.0015	mg/L		12/21/15 07:10	12/21/15 14:46	1
Zinc	**0.0016**	**J**	0.010	0.0015	mg/L		12/21/15 07:10	12/21/15 14:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0075**		0.0010	0.00060	mg/L		12/21/15 08:40	12/21/15 14:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**113**	**B**	5.0	2.2	mg/L			01/04/16 16:04	5

Client Sample ID: MW-8

Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/30/15 18:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/30/15 18:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/30/15 18:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/30/15 18:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/30/15 18:23	1
1,1-Dichloroethene	**0.69**	**J**	1.0	0.29	ug/L			12/30/15 18:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/30/15 18:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/30/15 18:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/30/15 18:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/30/15 18:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/30/15 18:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/30/15 18:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/30/15 18:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/30/15 18:23	1
2-Hexanone	ND		5.0	1.2	ug/L			12/30/15 18:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/30/15 18:23	1
Acetone	ND		10	3.0	ug/L			12/30/15 18:23	1
Benzene	**12**		1.0	0.41	ug/L			12/30/15 18:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/30/15 18:23	1
Bromoform	ND		1.0	0.26	ug/L			12/30/15 18:23	1
Bromomethane	ND		1.0	0.69	ug/L			12/30/15 18:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/30/15 18:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/30/15 18:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/30/15 18:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/30/15 18:23	1
Chloroethane	ND		1.0	0.32	ug/L			12/30/15 18:23	1
Chloroform	**8.4**		1.0	0.34	ug/L			12/30/15 18:23	1
Chloromethane	ND		1.0	0.35	ug/L			12/30/15 18:23	1
cis-1,2-Dichloroethene	**4.4**		1.0	0.81	ug/L			12/30/15 18:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/30/15 18:23	1
Cyclohexane	ND		1.0	0.18	ug/L			12/30/15 18:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/15 18:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/30/15 18:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/30/15 18:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/30/15 18:23	1
Methyl acetate	ND		2.5	1.3	ug/L			12/30/15 18:23	1
Methyl tert-butyl ether	**0.33**	**J**	1.0	0.16	ug/L			12/30/15 18:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/30/15 18:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/30/15 18:23	1
Styrene	ND		1.0	0.73	ug/L			12/30/15 18:23	1
Tetrachloroethene	**1900**	**E**	1.0	0.36	ug/L			12/30/15 18:23	1
Toluene	ND		1.0	0.51	ug/L			12/30/15 18:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/30/15 18:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/30/15 18:23	1
Trichloroethene	**110**	**E**	1.0	0.46	ug/L			12/30/15 18:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/30/15 18:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/30/15 18:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/30/15 18:23	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-8
Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*106*		*71 - 126*		*12/30/15 18:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/30/15 18:23*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*12/30/15 18:23*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/30/15 18:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		80	66	ug/L			12/30/15 23:29	80
1,1,2,2-Tetrachloroethane	ND		80	17	ug/L			12/30/15 23:29	80
1,1,2-Trichloroethane	ND		80	18	ug/L			12/30/15 23:29	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		80	25	ug/L			12/30/15 23:29	80
1,1-Dichloroethane	ND		80	30	ug/L			12/30/15 23:29	80
1,1-Dichloroethene	ND		80	23	ug/L			12/30/15 23:29	80
1,2,4-Trichlorobenzene	ND		80	33	ug/L			12/30/15 23:29	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			12/30/15 23:29	80
1,2-Dichlorobenzene	ND		80	63	ug/L			12/30/15 23:29	80
1,2-Dichloroethane	ND		80	17	ug/L			12/30/15 23:29	80
1,2-Dichloropropane	ND		80	58	ug/L			12/30/15 23:29	80
1,3-Dichlorobenzene	ND		80	62	ug/L			12/30/15 23:29	80
1,4-Dichlorobenzene	ND		80	67	ug/L			12/30/15 23:29	80
2-Butanone (MEK)	ND		800	110	ug/L			12/30/15 23:29	80
2-Hexanone	ND		400	99	ug/L			12/30/15 23:29	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			12/30/15 23:29	80
Acetone	ND		800	240	ug/L			12/30/15 23:29	80
Benzene	ND		80	33	ug/L			12/30/15 23:29	80
Bromodichloromethane	ND		80	31	ug/L			12/30/15 23:29	80
Bromoform	ND		80	21	ug/L			12/30/15 23:29	80
Bromomethane	ND		80	55	ug/L			12/30/15 23:29	80
Carbon disulfide	ND		80	15	ug/L			12/30/15 23:29	80
Carbon tetrachloride	ND		80	22	ug/L			12/30/15 23:29	80
Chlorobenzene	ND		80	60	ug/L			12/30/15 23:29	80
Dibromochloromethane	ND		80	26	ug/L			12/30/15 23:29	80
Chloroethane	ND		80	26	ug/L			12/30/15 23:29	80
Chloroform	ND		80	27	ug/L			12/30/15 23:29	80
Chloromethane	ND	*	80	28	ug/L			12/30/15 23:29	80
cis-1,2-Dichloroethene	ND		80	65	ug/L			12/30/15 23:29	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			12/30/15 23:29	80
Cyclohexane	ND		80	14	ug/L			12/30/15 23:29	80
Dichlorodifluoromethane	ND	*	80	54	ug/L			12/30/15 23:29	80
Ethylbenzene	ND		80	59	ug/L			12/30/15 23:29	80
1,2-Dibromoethane	ND		80	58	ug/L			12/30/15 23:29	80
Isopropylbenzene	ND		80	63	ug/L			12/30/15 23:29	80
Methyl acetate	ND		200	100	ug/L			12/30/15 23:29	80
Methyl tert-butyl ether	ND		80	13	ug/L			12/30/15 23:29	80
Methylcyclohexane	ND		80	13	ug/L			12/30/15 23:29	80
Methylene Chloride	ND		80	35	ug/L			12/30/15 23:29	80
Styrene	ND		80	58	ug/L			12/30/15 23:29	80
Tetrachloroethene	**1900**		80	29	ug/L			12/30/15 23:29	80
Toluene	ND		80	41	ug/L			12/30/15 23:29	80
trans-1,2-Dichloroethene	ND		80	72	ug/L			12/30/15 23:29	80

Client Sample ID: MW-8
Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		80	30	ug/L			12/30/15 23:29	80
Trichloroethene	**53**	**J**	80	37	ug/L			12/30/15 23:29	80
Trichlorofluoromethane	ND		80	70	ug/L			12/30/15 23:29	80
Vinyl chloride	ND	*	80	72	ug/L			12/30/15 23:29	80
Xylenes, Total	ND		160	53	ug/L			12/30/15 23:29	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*71 - 126*		*12/30/15 23:29*	*80*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/30/15 23:29*	*80*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/30/15 23:29*	*80*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/30/15 23:29*	*80*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.7	0.61	ug/L		12/19/15 08:29	01/07/16 07:58	1
bis (2-chloroisopropyl) ether	ND		4.7	0.48	ug/L		12/19/15 08:29	01/07/16 07:58	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		12/19/15 08:29	01/07/16 07:58	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		12/19/15 08:29	01/07/16 07:58	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		12/19/15 08:29	01/07/16 07:58	1
2,4-Dimethylphenol	ND	*	4.7	0.47	ug/L		12/19/15 08:29	01/07/16 07:58	1
2,4-Dinitrophenol	ND		9.3	2.1	ug/L		12/19/15 08:29	01/07/16 07:58	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		12/19/15 08:29	01/07/16 07:58	1
2,6-Dinitrotoluene	ND		4.7	0.37	ug/L		12/19/15 08:29	01/07/16 07:58	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		12/19/15 08:29	01/07/16 07:58	1
2-Chlorophenol	ND		4.7	0.49	ug/L		12/19/15 08:29	01/07/16 07:58	1
2-Methylphenol	ND		4.7	0.37	ug/L		12/19/15 08:29	01/07/16 07:58	1
2-Methylnaphthalene	ND		4.7	0.56	ug/L		12/19/15 08:29	01/07/16 07:58	1
2-Nitroaniline	ND		9.3	0.39	ug/L		12/19/15 08:29	01/07/16 07:58	1
2-Nitrophenol	ND		4.7	0.45	ug/L		12/19/15 08:29	01/07/16 07:58	1
3,3'-Dichlorobenzidine	ND		4.7	0.37	ug/L		12/19/15 08:29	01/07/16 07:58	1
3-Nitroaniline	ND		9.3	0.45	ug/L		12/19/15 08:29	01/07/16 07:58	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.0	ug/L		12/19/15 08:29	01/07/16 07:58	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		12/19/15 08:29	01/07/16 07:58	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		12/19/15 08:29	01/07/16 07:58	1
4-Chloroaniline	ND	*	4.7	0.55	ug/L		12/19/15 08:29	01/07/16 07:58	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		12/19/15 08:29	01/07/16 07:58	1
4-Methylphenol	ND		9.3	0.34	ug/L		12/19/15 08:29	01/07/16 07:58	1
4-Nitroaniline	ND		9.3	0.23	ug/L		12/19/15 08:29	01/07/16 07:58	1
4-Nitrophenol	ND		9.3	1.4	ug/L		12/19/15 08:29	01/07/16 07:58	1
Acenaphthene	ND		4.7	0.38	ug/L		12/19/15 08:29	01/07/16 07:58	1
Acenaphthylene	ND		4.7	0.35	ug/L		12/19/15 08:29	01/07/16 07:58	1
Acetophenone	ND		4.7	0.50	ug/L		12/19/15 08:29	01/07/16 07:58	1
Anthracene	ND		4.7	0.26	ug/L		12/19/15 08:29	01/07/16 07:58	1
Atrazine	ND		4.7	0.43	ug/L		12/19/15 08:29	01/07/16 07:58	1
Benzaldehyde	ND		4.7	0.25	ug/L		12/19/15 08:29	01/07/16 07:58	1
Benzo[a]anthracene	ND		4.7	0.34	ug/L		12/19/15 08:29	01/07/16 07:58	1
Benzo[a]pyrene	ND		4.7	0.44	ug/L		12/19/15 08:29	01/07/16 07:58	1
Benzo[b]fluoranthene	ND		4.7	0.32	ug/L		12/19/15 08:29	01/07/16 07:58	1
Benzo[g,h,i]perylene	ND		4.7	0.33	ug/L		12/19/15 08:29	01/07/16 07:58	1
Benzo[k]fluoranthene	ND		4.7	0.68	ug/L		12/19/15 08:29	01/07/16 07:58	1

Client Sample ID: MW-8
Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		12/19/15 08:29	01/07/16 07:58	1
Bis(2-chloroethyl)ether	ND		4.7	0.37	ug/L		12/19/15 08:29	01/07/16 07:58	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		12/19/15 08:29	01/07/16 07:58	1
Butyl benzyl phthalate	ND		4.7	0.39	ug/L		12/19/15 08:29	01/07/16 07:58	1
Caprolactam	ND	*	4.7	2.0	ug/L		12/19/15 08:29	01/07/16 07:58	1
Carbazole	ND		4.7	0.28	ug/L		12/19/15 08:29	01/07/16 07:58	1
Chrysene	ND		4.7	0.31	ug/L		12/19/15 08:29	01/07/16 07:58	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		12/19/15 08:29	01/07/16 07:58	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		12/19/15 08:29	01/07/16 07:58	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		12/19/15 08:29	01/07/16 07:58	1
Dibenzofuran	ND		9.3	0.48	ug/L		12/19/15 08:29	01/07/16 07:58	1
Diethyl phthalate	**0.20**	**J**	4.7	0.20	ug/L		12/19/15 08:29	01/07/16 07:58	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		12/19/15 08:29	01/07/16 07:58	1
Fluoranthene	ND		4.7	0.37	ug/L		12/19/15 08:29	01/07/16 07:58	1
Fluorene	ND		4.7	0.34	ug/L		12/19/15 08:29	01/07/16 07:58	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		12/19/15 08:29	01/07/16 07:58	1
Hexachlorobutadiene	ND		4.7	0.63	ug/L		12/19/15 08:29	01/07/16 07:58	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		12/19/15 08:29	01/07/16 07:58	1
Hexachloroethane	ND		4.7	0.55	ug/L		12/19/15 08:29	01/07/16 07:58	1
Indeno[1,2,3-cd]pyrene	ND		4.7	0.44	ug/L		12/19/15 08:29	01/07/16 07:58	1
Isophorone	ND		4.7	0.40	ug/L		12/19/15 08:29	01/07/16 07:58	1
N-Nitrosodi-n-propylamine	ND		4.7	0.50	ug/L		12/19/15 08:29	01/07/16 07:58	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		12/19/15 08:29	01/07/16 07:58	1
Naphthalene	ND		4.7	0.71	ug/L		12/19/15 08:29	01/07/16 07:58	1
Nitrobenzene	ND		4.7	0.27	ug/L		12/19/15 08:29	01/07/16 07:58	1
Pentachlorophenol	ND		9.3	2.0	ug/L		12/19/15 08:29	01/07/16 07:58	1
Phenanthrene	ND		4.7	0.41	ug/L		12/19/15 08:29	01/07/16 07:58	1
Phenol	ND		4.7	0.36	ug/L		12/19/15 08:29	01/07/16 07:58	1
Pyrene	ND		4.7	0.32	ug/L		12/19/15 08:29	01/07/16 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*55*		*46 - 120*	*12/19/15 08:29*	*01/07/16 07:58*	*1*
Phenol-d5 (Surr)	*23*		*16 - 120*	*12/19/15 08:29*	*01/07/16 07:58*	*1*
p-Terphenyl-d14 (Surr)	*72*		*67 - 150*	*12/19/15 08:29*	*01/07/16 07:58*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*52 - 132*	*12/19/15 08:29*	*01/07/16 07:58*	*1*
2-Fluorobiphenyl	*57*		*48 - 120*	*12/19/15 08:29*	*01/07/16 07:58*	*1*
2-Fluorophenol (Surr)	*33*		*20 - 120*	*12/19/15 08:29*	*01/07/16 07:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		12/18/15 08:20	12/21/15 14:21	1
4,4'-DDE	ND		0.050	0.012	ug/L		12/18/15 08:20	12/21/15 14:21	1
4,4'-DDT	ND		0.050	0.011	ug/L		12/18/15 08:20	12/21/15 14:21	1
Aldrin	ND		0.050	0.0081	ug/L		12/18/15 08:20	12/21/15 14:21	1
alpha-BHC	ND		0.050	0.0077	ug/L		12/18/15 08:20	12/21/15 14:21	1
alpha-Chlordane	ND		0.050	0.015	ug/L		12/18/15 08:20	12/21/15 14:21	1
beta-BHC	ND		0.050	0.025	ug/L		12/18/15 08:20	12/21/15 14:21	1
delta-BHC	ND		0.050	0.010	ug/L		12/18/15 08:20	12/21/15 14:21	1
Dieldrin	ND		0.050	0.0098	ug/L		12/18/15 08:20	12/21/15 14:21	1
Endosulfan I	ND		0.050	0.011	ug/L		12/18/15 08:20	12/21/15 14:21	1

Client Sample ID: MW-8

Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-7

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		0.050	0.012	ug/L		12/18/15 08:20	12/21/15 14:21	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		12/18/15 08:20	12/21/15 14:21	1
Endrin	ND		0.050	0.014	ug/L		12/18/15 08:20	12/21/15 14:21	1
Endrin aldehyde	ND		0.050	0.016	ug/L		12/18/15 08:20	12/21/15 14:21	1
Endrin ketone	ND		0.050	0.012	ug/L		12/18/15 08:20	12/21/15 14:21	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/18/15 08:20	12/21/15 14:21	1
gamma-Chlordane	ND		0.050	0.011	ug/L		12/18/15 08:20	12/21/15 14:21	1
Heptachlor	ND		0.050	0.0085	ug/L		12/18/15 08:20	12/21/15 14:21	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/18/15 08:20	12/21/15 14:21	1
Methoxychlor	ND		0.050	0.014	ug/L		12/18/15 08:20	12/21/15 14:21	1
Toxaphene	ND		0.50	0.12	ug/L		12/18/15 08:20	12/21/15 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*20 - 120*	*12/18/15 08:20*	*12/21/15 14:21*	*1*
DCB Decachlorobiphenyl	*62*		*20 - 120*	*12/18/15 08:20*	*12/21/15 14:21*	*1*
Tetrachloro-m-xylene	*89*		*36 - 120*	*12/18/15 08:20*	*12/21/15 14:21*	*1*
Tetrachloro-m-xylene	*68*		*36 - 120*	*12/18/15 08:20*	*12/21/15 14:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:20	1
PCB-1221	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:20	1
PCB-1232	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:20	1
PCB-1242	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:20	1
PCB-1248	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:20	1
PCB-1254	ND		0.49	0.24	ug/L		12/18/15 08:02	12/18/15 20:20	1
PCB-1260	ND		0.49	0.24	ug/L		12/18/15 08:02	12/18/15 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*24 - 137*	*12/18/15 08:02*	*12/18/15 20:20*	*1*
Tetrachloro-m-xylene	*79*		*24 - 137*	*12/18/15 08:02*	*12/18/15 20:20*	*1*
DCB Decachlorobiphenyl	*40*		*19 - 125*	*12/18/15 08:02*	*12/18/15 20:20*	*1*
DCB Decachlorobiphenyl	*43*		*19 - 125*	*12/18/15 08:02*	*12/18/15 20:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.8**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 21:01	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 21:01	1
Arsenic	ND		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 21:01	1
Barium	**0.091**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 21:01	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 21:01	1
Cadmium	**0.00053**	**J**	0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 21:01	1
Calcium	**244**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 21:01	1
Chromium	**0.0047**		0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 21:01	1
Cobalt	**0.0013**	**J**	0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 21:01	1
Copper	**0.0020**	**J**	0.010	0.0016	mg/L		12/21/15 07:00	12/21/15 21:01	1
Iron	**3.0**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 21:01	1
Lead	**0.0064**	**J**	0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 21:01	1
Magnesium	**73.5**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 21:01	1
Manganese	**0.48**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 21:01	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-8
Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0093	J	0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 21:01	1
Potassium	10.1		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 21:01	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 21:01	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 21:01	1
Sodium	42.6		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 21:01	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 21:01	1
Vanadium	0.0036	J	0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 21:01	1
Zinc	0.028		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 21:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.5		1.0	0.43	mg/L			12/24/15 04:10	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-8 DUP
Date Collected: 12/16/15 12:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/30/15 19:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/30/15 19:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/30/15 19:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/30/15 19:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/30/15 19:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/30/15 19:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/30/15 19:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/30/15 19:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/30/15 19:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/30/15 19:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/30/15 19:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/30/15 19:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/30/15 19:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/30/15 19:14	1
2-Hexanone	ND		5.0	1.2	ug/L			12/30/15 19:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/30/15 19:14	1
Acetone	ND		10	3.0	ug/L			12/30/15 19:14	1
Benzene	**1.1**		1.0	0.41	ug/L			12/30/15 19:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/30/15 19:14	1
Bromoform	ND		1.0	0.26	ug/L			12/30/15 19:14	1
Bromomethane	ND		1.0	0.69	ug/L			12/30/15 19:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/30/15 19:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/30/15 19:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/30/15 19:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/30/15 19:14	1
Chloroethane	ND		1.0	0.32	ug/L			12/30/15 19:14	1
Chloroform	**8.6**		1.0	0.34	ug/L			12/30/15 19:14	1
Chloromethane	ND		1.0	0.35	ug/L			12/30/15 19:14	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.81	ug/L			12/30/15 19:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/30/15 19:14	1
Cyclohexane	ND		1.0	0.18	ug/L			12/30/15 19:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/15 19:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/30/15 19:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/30/15 19:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/30/15 19:14	1
Methyl acetate	ND		2.5	1.3	ug/L			12/30/15 19:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/30/15 19:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/30/15 19:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/30/15 19:14	1
Styrene	ND		1.0	0.73	ug/L			12/30/15 19:14	1
Tetrachloroethene	**1300**	**E**	1.0	0.36	ug/L			12/30/15 19:14	1
Toluene	ND		1.0	0.51	ug/L			12/30/15 19:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/30/15 19:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/30/15 19:14	1
Trichloroethene	**24**		1.0	0.46	ug/L			12/30/15 19:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/30/15 19:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/30/15 19:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/30/15 19:14	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-8 DUP
Date Collected: 12/16/15 12:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*107*		*71 - 126*		*12/30/15 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/30/15 19:14*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*12/30/15 19:14*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*12/30/15 19:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			12/30/15 23:52	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			12/30/15 23:52	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			12/30/15 23:52	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			12/30/15 23:52	40
1,1-Dichloroethane	ND		40	15	ug/L			12/30/15 23:52	40
1,1-Dichloroethene	ND		40	12	ug/L			12/30/15 23:52	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			12/30/15 23:52	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			12/30/15 23:52	40
1,2-Dichlorobenzene	ND		40	32	ug/L			12/30/15 23:52	40
1,2-Dichloroethane	ND		40	8.4	ug/L			12/30/15 23:52	40
1,2-Dichloropropane	ND		40	29	ug/L			12/30/15 23:52	40
1,3-Dichlorobenzene	ND		40	31	ug/L			12/30/15 23:52	40
1,4-Dichlorobenzene	ND		40	34	ug/L			12/30/15 23:52	40
2-Butanone (MEK)	ND		400	53	ug/L			12/30/15 23:52	40
2-Hexanone	ND		200	50	ug/L			12/30/15 23:52	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			12/30/15 23:52	40
Acetone	ND		400	120	ug/L			12/30/15 23:52	40
Benzene	ND		40	16	ug/L			12/30/15 23:52	40
Bromodichloromethane	ND		40	16	ug/L			12/30/15 23:52	40
Bromoform	ND		40	10	ug/L			12/30/15 23:52	40
Bromomethane	ND		40	28	ug/L			12/30/15 23:52	40
Carbon disulfide	ND		40	7.6	ug/L			12/30/15 23:52	40
Carbon tetrachloride	ND		40	11	ug/L			12/30/15 23:52	40
Chlorobenzene	ND		40	30	ug/L			12/30/15 23:52	40
Dibromochloromethane	ND		40	13	ug/L			12/30/15 23:52	40
Chloroethane	ND		40	13	ug/L			12/30/15 23:52	40
Chloroform	ND		40	14	ug/L			12/30/15 23:52	40
Chloromethane	ND	*	40	14	ug/L			12/30/15 23:52	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			12/30/15 23:52	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			12/30/15 23:52	40
Cyclohexane	ND		40	7.2	ug/L			12/30/15 23:52	40
Dichlorodifluoromethane	ND	*	40	27	ug/L			12/30/15 23:52	40
Ethylbenzene	ND		40	30	ug/L			12/30/15 23:52	40
1,2-Dibromoethane	ND		40	29	ug/L			12/30/15 23:52	40
Isopropylbenzene	ND		40	32	ug/L			12/30/15 23:52	40
Methyl acetate	ND		100	52	ug/L			12/30/15 23:52	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			12/30/15 23:52	40
Methylcyclohexane	ND		40	6.4	ug/L			12/30/15 23:52	40
Methylene Chloride	ND		40	18	ug/L			12/30/15 23:52	40
Styrene	ND		40	29	ug/L			12/30/15 23:52	40
Tetrachloroethene	**1500**		40	14	ug/L			12/30/15 23:52	40
Toluene	ND		40	20	ug/L			12/30/15 23:52	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			12/30/15 23:52	40

Client Sample ID: MW-8 DUP

Date Collected: 12/16/15 12:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		40	15	ug/L			12/30/15 23:52	40
Trichloroethene	**25**	**J**	40	18	ug/L			12/30/15 23:52	40
Trichlorofluoromethane	ND		40	35	ug/L			12/30/15 23:52	40
Vinyl chloride	ND	*	40	36	ug/L			12/30/15 23:52	40
Xylenes, Total	ND		80	26	ug/L			12/30/15 23:52	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*71 - 126*		*12/30/15 23:52*	*40*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/30/15 23:52*	*40*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/30/15 23:52*	*40*
Dibromofluoromethane (Surr)	*88*		*60 - 140*		*12/30/15 23:52*	*40*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.8	0.63	ug/L		12/19/15 08:29	01/07/16 08:26	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/19/15 08:29	01/07/16 08:26	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		12/19/15 08:29	01/07/16 08:26	1
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L		12/19/15 08:29	01/07/16 08:26	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 08:26	1
2,4-Dimethylphenol	ND	*	4.8	0.48	ug/L		12/19/15 08:29	01/07/16 08:26	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 08:26	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 08:26	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 08:26	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/19/15 08:29	01/07/16 08:26	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/19/15 08:29	01/07/16 08:26	1
2-Methylphenol	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 08:26	1
2-Methylnaphthalene	ND		4.8	0.58	ug/L		12/19/15 08:29	01/07/16 08:26	1
2-Nitroaniline	ND		9.6	0.40	ug/L		12/19/15 08:29	01/07/16 08:26	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/19/15 08:29	01/07/16 08:26	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 08:26	1
3-Nitroaniline	ND		9.6	0.46	ug/L		12/19/15 08:29	01/07/16 08:26	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 08:26	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 08:26	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 08:26	1
4-Chloroaniline	ND	*	4.8	0.57	ug/L		12/19/15 08:29	01/07/16 08:26	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 08:26	1
4-Methylphenol	ND		9.6	0.35	ug/L		12/19/15 08:29	01/07/16 08:26	1
4-Nitroaniline	ND		9.6	0.24	ug/L		12/19/15 08:29	01/07/16 08:26	1
4-Nitrophenol	ND		9.6	1.5	ug/L		12/19/15 08:29	01/07/16 08:26	1
Acenaphthene	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 08:26	1
Acenaphthylene	ND		4.8	0.37	ug/L		12/19/15 08:29	01/07/16 08:26	1
Acetophenone	ND		4.8	0.52	ug/L		12/19/15 08:29	01/07/16 08:26	1
Anthracene	ND		4.8	0.27	ug/L		12/19/15 08:29	01/07/16 08:26	1
Atrazine	ND		4.8	0.44	ug/L		12/19/15 08:29	01/07/16 08:26	1
Benzaldehyde	ND		4.8	0.26	ug/L		12/19/15 08:29	01/07/16 08:26	1
Benzo[a]anthracene	ND		4.8	0.35	ug/L		12/19/15 08:29	01/07/16 08:26	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 08:26	1
Benzo[b]fluoranthene	ND		4.8	0.33	ug/L		12/19/15 08:29	01/07/16 08:26	1
Benzo[g,h,i]perylene	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 08:26	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		12/19/15 08:29	01/07/16 08:26	1

Client Sample ID: MW-8 DUP

Date Collected: 12/16/15 12:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-8

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 08:26	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 08:26	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		12/19/15 08:29	01/07/16 08:26	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/19/15 08:29	01/07/16 08:26	1
Caprolactam	ND	*	4.8	2.1	ug/L		12/19/15 08:29	01/07/16 08:26	1
Carbazole	ND		4.8	0.29	ug/L		12/19/15 08:29	01/07/16 08:26	1
Chrysene	ND		4.8	0.32	ug/L		12/19/15 08:29	01/07/16 08:26	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/19/15 08:29	01/07/16 08:26	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		12/19/15 08:29	01/07/16 08:26	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 08:26	1
Dibenzofuran	ND		9.6	0.49	ug/L		12/19/15 08:29	01/07/16 08:26	1
Diethyl phthalate	**0.30**	**J**	4.8	0.21	ug/L		12/19/15 08:29	01/07/16 08:26	1
Dimethyl phthalate	ND		4.8	0.35	ug/L		12/19/15 08:29	01/07/16 08:26	1
Fluoranthene	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 08:26	1
Fluorene	ND		4.8	0.35	ug/L		12/19/15 08:29	01/07/16 08:26	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 08:26	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/19/15 08:29	01/07/16 08:26	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		12/19/15 08:29	01/07/16 08:26	1
Hexachloroethane	ND		4.8	0.57	ug/L		12/19/15 08:29	01/07/16 08:26	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 08:26	1
Isophorone	ND		4.8	0.41	ug/L		12/19/15 08:29	01/07/16 08:26	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/19/15 08:29	01/07/16 08:26	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 08:26	1
Naphthalene	ND		4.8	0.73	ug/L		12/19/15 08:29	01/07/16 08:26	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/19/15 08:29	01/07/16 08:26	1
Pentachlorophenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 08:26	1
Phenanthrene	ND		4.8	0.42	ug/L		12/19/15 08:29	01/07/16 08:26	1
Phenol	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 08:26	1
Pyrene	ND		4.8	0.33	ug/L		12/19/15 08:29	01/07/16 08:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*46 - 120*	*12/19/15 08:29*	*01/07/16 08:26*	*1*
Phenol-d5 (Surr)	*22*		*16 - 120*	*12/19/15 08:29*	*01/07/16 08:26*	*1*
p-Terphenyl-d14 (Surr)	*69*		*67 - 150*	*12/19/15 08:29*	*01/07/16 08:26*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*52 - 132*	*12/19/15 08:29*	*01/07/16 08:26*	*1*
2-Fluorobiphenyl	*55*		*48 - 120*	*12/19/15 08:29*	*01/07/16 08:26*	*1*
2-Fluorophenol (Surr)	*32*		*20 - 120*	*12/19/15 08:29*	*01/07/16 08:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.049	0.0091	ug/L		12/18/15 08:20	12/21/15 15:17	1
4,4'-DDE	ND		0.049	0.011	ug/L		12/18/15 08:20	12/21/15 15:17	1
4,4'-DDT	ND		0.049	0.011	ug/L		12/18/15 08:20	12/21/15 15:17	1
Aldrin	ND		0.049	0.0080	ug/L		12/18/15 08:20	12/21/15 15:17	1
alpha-BHC	ND		0.049	0.0076	ug/L		12/18/15 08:20	12/21/15 15:17	1
alpha-Chlordane	ND		0.049	0.015	ug/L		12/18/15 08:20	12/21/15 15:17	1
beta-BHC	ND		0.049	0.025	ug/L		12/18/15 08:20	12/21/15 15:17	1
delta-BHC	ND		0.049	0.0099	ug/L		12/18/15 08:20	12/21/15 15:17	1
Dieldrin	ND		0.049	0.0097	ug/L		12/18/15 08:20	12/21/15 15:17	1
Endosulfan I	ND		0.049	0.011	ug/L		12/18/15 08:20	12/21/15 15:17	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-8 DUP

Date Collected: 12/16/15 12:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-8

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		0.049	0.012	ug/L		12/18/15 08:20	12/21/15 15:17	1
Endosulfan sulfate	ND		0.049	0.016	ug/L		12/18/15 08:20	12/21/15 15:17	1
Endrin	ND		0.049	0.014	ug/L		12/18/15 08:20	12/21/15 15:17	1
Endrin aldehyde	ND		0.049	0.016	ug/L		12/18/15 08:20	12/21/15 15:17	1
Endrin ketone	ND		0.049	0.012	ug/L		12/18/15 08:20	12/21/15 15:17	1
gamma-BHC (Lindane)	ND		0.049	0.0079	ug/L		12/18/15 08:20	12/21/15 15:17	1
gamma-Chlordane	ND		0.049	0.011	ug/L		12/18/15 08:20	12/21/15 15:17	1
Heptachlor	ND		0.049	0.0084	ug/L		12/18/15 08:20	12/21/15 15:17	1
Heptachlor epoxide	ND		0.049	0.0073	ug/L		12/18/15 08:20	12/21/15 15:17	1
Methoxychlor	ND		0.049	0.014	ug/L		12/18/15 08:20	12/21/15 15:17	1
Toxaphene	ND		0.49	0.12	ug/L		12/18/15 08:20	12/21/15 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*20 - 120*	*12/18/15 08:20*	*12/21/15 15:17*	*1*
DCB Decachlorobiphenyl	*63*		*20 - 120*	*12/18/15 08:20*	*12/21/15 15:17*	*1*
Tetrachloro-m-xylene	*92*		*36 - 120*	*12/18/15 08:20*	*12/21/15 15:17*	*1*
Tetrachloro-m-xylene	*75*		*36 - 120*	*12/18/15 08:20*	*12/21/15 15:17*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.18	ug/L		12/18/15 08:02	12/18/15 20:35	1
PCB-1221	ND		0.51	0.18	ug/L		12/18/15 08:02	12/18/15 20:35	1
PCB-1232	ND		0.51	0.18	ug/L		12/18/15 08:02	12/18/15 20:35	1
PCB-1242	ND		0.51	0.18	ug/L		12/18/15 08:02	12/18/15 20:35	1
PCB-1248	ND		0.51	0.18	ug/L		12/18/15 08:02	12/18/15 20:35	1
PCB-1254	ND		0.51	0.25	ug/L		12/18/15 08:02	12/18/15 20:35	1
PCB-1260	ND		0.51	0.25	ug/L		12/18/15 08:02	12/18/15 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*24 - 137*	*12/18/15 08:02*	*12/18/15 20:35*	*1*
Tetrachloro-m-xylene	*75*		*24 - 137*	*12/18/15 08:02*	*12/18/15 20:35*	*1*
DCB Decachlorobiphenyl	*36*		*19 - 125*	*12/18/15 08:02*	*12/18/15 20:35*	*1*
DCB Decachlorobiphenyl	*37*		*19 - 125*	*12/18/15 08:02*	*12/18/15 20:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.7**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 21:04	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 21:04	1
Arsenic	ND		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 21:04	1
Barium	**0.088**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 21:04	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 21:04	1
Cadmium	**0.00066**	**J**	0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 21:04	1
Calcium	**230**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 21:04	1
Chromium	**0.0035**	**J**	0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 21:04	1
Cobalt	**0.0016**	**J**	0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 21:04	1
Copper	**0.0020**	**J**	0.010	0.0016	mg/L		12/21/15 07:00	12/21/15 21:04	1
Iron	**2.6**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 21:04	1
Lead	**0.0049**	**J**	0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 21:04	1
Magnesium	**64.5**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 21:04	1
Manganese	**0.43**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 21:04	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-8 DUP
Date Collected: 12/16/15 12:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0091	J	0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 21:04	1
Potassium	9.4		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 21:04	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 21:04	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 21:04	1
Sodium	43.0		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 21:04	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 21:04	1
Vanadium	0.0028	J	0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 21:04	1
Zinc	0.031		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 21:04	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.6		0.20	0.060	mg/L		12/21/15 07:10	12/21/15 14:49	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:10	12/21/15 14:49	1
Arsenic	ND		0.015	0.0056	mg/L		12/21/15 07:10	12/21/15 14:49	1
Barium	0.094		0.0020	0.00070	mg/L		12/21/15 07:10	12/21/15 14:49	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:10	12/21/15 14:49	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:10	12/21/15 14:49	1
Calcium	198		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:49	1
Chromium	0.0040		0.0040	0.0010	mg/L		12/21/15 07:10	12/21/15 14:49	1
Cobalt	0.0017	J	0.0040	0.00063	mg/L		12/21/15 07:10	12/21/15 14:49	1
Copper	0.0036	J	0.010	0.0016	mg/L		12/21/15 07:10	12/21/15 14:49	1
Iron	3.7		0.050	0.019	mg/L		12/21/15 07:10	12/21/15 14:49	1
Lead	0.0092	J	0.010	0.0030	mg/L		12/21/15 07:10	12/21/15 14:49	1
Magnesium	57.6		0.20	0.043	mg/L		12/21/15 07:10	12/21/15 14:49	1
Manganese	0.49	B	0.0030	0.00040	mg/L		12/21/15 07:10	12/21/15 14:49	1
Nickel	0.0099	J	0.010	0.0013	mg/L		12/21/15 07:10	12/21/15 14:49	1
Potassium	9.7		0.50	0.10	mg/L		12/21/15 07:10	12/21/15 14:49	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:10	12/21/15 14:49	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:10	12/21/15 14:49	1
Sodium	45.2		1.0	0.32	mg/L		12/21/15 07:10	12/21/15 14:49	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:10	12/21/15 14:49	1
Vanadium	0.0038	J	0.0050	0.0015	mg/L		12/21/15 07:10	12/21/15 14:49	1
Zinc	0.030		0.010	0.0015	mg/L		12/21/15 07:10	12/21/15 14:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 14:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.43	mg/L			12/24/15 04:38	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-9
Date Collected: 12/16/15 12:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/30/15 20:12	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/30/15 20:12	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/30/15 20:12	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/30/15 20:12	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/30/15 20:12	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/30/15 20:12	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/30/15 20:12	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/30/15 20:12	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/30/15 20:12	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/30/15 20:12	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/30/15 20:12	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/30/15 20:12	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/30/15 20:12	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/30/15 20:12	5
2-Hexanone	ND		25	6.2	ug/L			12/30/15 20:12	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/30/15 20:12	5
Acetone	ND		50	15	ug/L			12/30/15 20:12	5
Benzene	ND		5.0	2.1	ug/L			12/30/15 20:12	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/30/15 20:12	5
Bromoform	ND		5.0	1.3	ug/L			12/30/15 20:12	5
Bromomethane	ND		5.0	3.5	ug/L			12/30/15 20:12	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/30/15 20:12	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/30/15 20:12	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/30/15 20:12	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/30/15 20:12	5
Chloroethane	ND		5.0	1.6	ug/L			12/30/15 20:12	5
Chloroform	ND		5.0	1.7	ug/L			12/30/15 20:12	5
Chloromethane	ND		5.0	1.8	ug/L			12/30/15 20:12	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/30/15 20:12	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/30/15 20:12	5
Cyclohexane	ND		5.0	0.90	ug/L			12/30/15 20:12	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/30/15 20:12	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/30/15 20:12	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/30/15 20:12	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/30/15 20:12	5
Methyl acetate	ND		13	6.5	ug/L			12/30/15 20:12	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/30/15 20:12	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/30/15 20:12	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/30/15 20:12	5
Styrene	ND		5.0	3.7	ug/L			12/30/15 20:12	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/30/15 20:12	5
Toluene	ND		5.0	2.6	ug/L			12/30/15 20:12	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/30/15 20:12	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/30/15 20:12	5
Trichloroethene	ND		5.0	2.3	ug/L			12/30/15 20:12	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/30/15 20:12	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/30/15 20:12	5
Xylenes, Total	ND		10	3.3	ug/L			12/30/15 20:12	5

Client Sample ID: MW-9

Date Collected: 12/16/15 12:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-9

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/30/15 20:12*	*5*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/30/15 20:12*	*5*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/30/15 20:12*	*5*
Dibromofluoromethane (Surr)	*87*		*60 - 140*		*12/30/15 20:12*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.8	0.63	ug/L		12/19/15 08:29	01/07/16 08:55	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/19/15 08:29	01/07/16 08:55	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		12/19/15 08:29	01/07/16 08:55	1
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L		12/19/15 08:29	01/07/16 08:55	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 08:55	1
2,4-Dimethylphenol	ND	*	4.8	0.48	ug/L		12/19/15 08:29	01/07/16 08:55	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 08:55	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 08:55	1
2,6-Dinitrotoluene	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 08:55	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/19/15 08:29	01/07/16 08:55	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/19/15 08:29	01/07/16 08:55	1
2-Methylphenol	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 08:55	1
2-Methylnaphthalene	ND		4.8	0.58	ug/L		12/19/15 08:29	01/07/16 08:55	1
2-Nitroaniline	ND		9.6	0.40	ug/L		12/19/15 08:29	01/07/16 08:55	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/19/15 08:29	01/07/16 08:55	1
3,3'-Dichlorobenzidine	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 08:55	1
3-Nitroaniline	ND		9.6	0.46	ug/L		12/19/15 08:29	01/07/16 08:55	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 08:55	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 08:55	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 08:55	1
4-Chloroaniline	ND	*	4.8	0.57	ug/L		12/19/15 08:29	01/07/16 08:55	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 08:55	1
4-Methylphenol	**0.72**	**J**	9.6	0.35	ug/L		12/19/15 08:29	01/07/16 08:55	1
4-Nitroaniline	ND		9.6	0.24	ug/L		12/19/15 08:29	01/07/16 08:55	1
4-Nitrophenol	ND		9.6	1.5	ug/L		12/19/15 08:29	01/07/16 08:55	1
Acenaphthene	**1.2**	**J**	4.8	0.39	ug/L		12/19/15 08:29	01/07/16 08:55	1
Acenaphthylene	ND		4.8	0.37	ug/L		12/19/15 08:29	01/07/16 08:55	1
Acetophenone	ND		4.8	0.52	ug/L		12/19/15 08:29	01/07/16 08:55	1
Anthracene	**0.62**	**J**	4.8	0.27	ug/L		12/19/15 08:29	01/07/16 08:55	1
Atrazine	ND		4.8	0.44	ug/L		12/19/15 08:29	01/07/16 08:55	1
Benzaldehyde	**0.39**	**J**	4.8	0.26	ug/L		12/19/15 08:29	01/07/16 08:55	1
Benzo[a]anthracene	**0.39**	**J**	4.8	0.35	ug/L		12/19/15 08:29	01/07/16 08:55	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 08:55	1
Benzo[b]fluoranthene	**0.43**	**J**	4.8	0.33	ug/L		12/19/15 08:29	01/07/16 08:55	1
Benzo[g,h,i]perylene	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 08:55	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		12/19/15 08:29	01/07/16 08:55	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 08:55	1
Bis(2-chloroethyl)ether	ND		4.8	0.39	ug/L		12/19/15 08:29	01/07/16 08:55	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		12/19/15 08:29	01/07/16 08:55	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/19/15 08:29	01/07/16 08:55	1
Caprolactam	ND	*	4.8	2.1	ug/L		12/19/15 08:29	01/07/16 08:55	1
Carbazole	**1.1**	**J**	4.8	0.29	ug/L		12/19/15 08:29	01/07/16 08:55	1
Chrysene	**0.42**	**J**	4.8	0.32	ug/L		12/19/15 08:29	01/07/16 08:55	1

Client Sample ID: MW-9
Date Collected: 12/16/15 12:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/19/15 08:29	01/07/16 08:55	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		12/19/15 08:29	01/07/16 08:55	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 08:55	1
Dibenzofuran	**0.75**	**J**	9.6	0.49	ug/L		12/19/15 08:29	01/07/16 08:55	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/19/15 08:29	01/07/16 08:55	1
Dimethyl phthalate	ND		4.8	0.35	ug/L		12/19/15 08:29	01/07/16 08:55	1
Fluoranthene	**1.3**	**J**	4.8	0.39	ug/L		12/19/15 08:29	01/07/16 08:55	1
Fluorene	**1.6**	**J**	4.8	0.35	ug/L		12/19/15 08:29	01/07/16 08:55	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 08:55	1
Hexachlorobutadiene	ND		4.8	0.66	ug/L		12/19/15 08:29	01/07/16 08:55	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		12/19/15 08:29	01/07/16 08:55	1
Hexachloroethane	ND		4.8	0.57	ug/L		12/19/15 08:29	01/07/16 08:55	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 08:55	1
Isophorone	ND		4.8	0.41	ug/L		12/19/15 08:29	01/07/16 08:55	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/19/15 08:29	01/07/16 08:55	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 08:55	1
Naphthalene	ND		4.8	0.73	ug/L		12/19/15 08:29	01/07/16 08:55	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/19/15 08:29	01/07/16 08:55	1
Pentachlorophenol	ND		9.6	2.1	ug/L		12/19/15 08:29	01/07/16 08:55	1
Phenanthrene	**2.5**	**J**	4.8	0.42	ug/L		12/19/15 08:29	01/07/16 08:55	1
Phenol	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 08:55	1
Pyrene	**0.94**	**J**	4.8	0.33	ug/L		12/19/15 08:29	01/07/16 08:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*46 - 120*	*12/19/15 08:29*	*01/07/16 08:55*	*1*
Phenol-d5 (Surr)	*31*		*16 - 120*	*12/19/15 08:29*	*01/07/16 08:55*	*1*
p-Terphenyl-d14 (Surr)	*74*		*67 - 150*	*12/19/15 08:29*	*01/07/16 08:55*	*1*
2,4,6-Tribromophenol (Surr)	*98*		*52 - 132*	*12/19/15 08:29*	*01/07/16 08:55*	*1*
2-Fluorobiphenyl	*65*		*48 - 120*	*12/19/15 08:29*	*01/07/16 08:55*	*1*
2-Fluorophenol (Surr)	*44*		*20 - 120*	*12/19/15 08:29*	*01/07/16 08:55*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.51	0.095	ug/L		12/18/15 08:20	12/21/15 15:36	10
4,4'-DDE	ND		0.51	0.12	ug/L		12/18/15 08:20	12/21/15 15:36	10
4,4'-DDT	ND		0.51	0.11	ug/L		12/18/15 08:20	12/21/15 15:36	10
Aldrin	ND		0.51	0.083	ug/L		12/18/15 08:20	12/21/15 15:36	10
alpha-BHC	ND		0.51	0.079	ug/L		12/18/15 08:20	12/21/15 15:36	10
alpha-Chlordane	ND		0.51	0.15	ug/L		12/18/15 08:20	12/21/15 15:36	10
beta-BHC	ND		0.51	0.26	ug/L		12/18/15 08:20	12/21/15 15:36	10
delta-BHC	ND		0.51	0.10	ug/L		12/18/15 08:20	12/21/15 15:36	10
Dieldrin	ND		0.51	0.10	ug/L		12/18/15 08:20	12/21/15 15:36	10
Endosulfan I	ND		0.51	0.11	ug/L		12/18/15 08:20	12/21/15 15:36	10
Endosulfan II	ND		0.51	0.12	ug/L		12/18/15 08:20	12/21/15 15:36	10
Endosulfan sulfate	ND		0.51	0.16	ug/L		12/18/15 08:20	12/21/15 15:36	10
Endrin	ND		0.51	0.14	ug/L		12/18/15 08:20	12/21/15 15:36	10
Endrin aldehyde	ND		0.51	0.17	ug/L		12/18/15 08:20	12/21/15 15:36	10
Endrin ketone	**0.40**	**J**	0.51	0.12	ug/L		12/18/15 08:20	12/21/15 15:36	10
gamma-BHC (Lindane)	ND		0.51	0.082	ug/L		12/18/15 08:20	12/21/15 15:36	10
gamma-Chlordane	ND		0.51	0.11	ug/L		12/18/15 08:20	12/21/15 15:36	10

Client Sample ID: MW-9

Date Collected: 12/16/15 12:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-9

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		0.51	0.087	ug/L		12/18/15 08:20	12/21/15 15:36	10
Heptachlor epoxide	ND		0.51	0.076	ug/L		12/18/15 08:20	12/21/15 15:36	10
Methoxychlor	ND		0.51	0.15	ug/L		12/18/15 08:20	12/21/15 15:36	10
Toxaphene	ND		5.1	1.2	ug/L		12/18/15 08:20	12/21/15 15:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*20 - 120*	*12/18/15 08:20*	*12/21/15 15:36*	*10*
DCB Decachlorobiphenyl	*62*		*20 - 120*	*12/18/15 08:20*	*12/21/15 15:36*	*10*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 15:36*	*10*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 15:36*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:50	1
PCB-1221	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:50	1
PCB-1232	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:50	1
PCB-1242	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:50	1
PCB-1248	ND		0.49	0.17	ug/L		12/18/15 08:02	12/18/15 20:50	1
PCB-1254	ND		0.49	0.25	ug/L		12/18/15 08:02	12/18/15 20:50	1
PCB-1260	ND		0.49	0.25	ug/L		12/18/15 08:02	12/18/15 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*24 - 137*	*12/18/15 08:02*	*12/18/15 20:50*	*1*
Tetrachloro-m-xylene	*62*		*24 - 137*	*12/18/15 08:02*	*12/18/15 20:50*	*1*
DCB Decachlorobiphenyl	*52*		*19 - 125*	*12/18/15 08:02*	*12/18/15 20:50*	*1*
DCB Decachlorobiphenyl	*57*		*19 - 125*	*12/18/15 08:02*	*12/18/15 20:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.5**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 21:07	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 21:07	1
Arsenic	ND		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 21:07	1
Barium	**0.31**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 21:07	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 21:07	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 21:07	1
Calcium	**290**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 21:07	1
Chromium	**0.0048**		0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 21:07	1
Cobalt	**0.0016**	**J**	0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 21:07	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:00	12/21/15 21:07	1
Iron	**11.0**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 21:07	1
Lead	**0.0069**	**J**	0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 21:07	1
Magnesium	**50.3**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 21:07	1
Manganese	**1.0**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 21:07	1
Nickel	**0.0032**	**J**	0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 21:07	1
Potassium	**39.6**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 21:07	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 21:07	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 21:07	1
Sodium	**45.1**		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 21:07	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 21:07	1
Vanadium	**0.0045**	**J**	0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 21:07	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-9
Date Collected: 12/16/15 12:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.015		0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 21:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	15.2		1.0	0.43	mg/L			12/24/15 05:06	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-9 DUP
Date Collected: 12/16/15 12:55
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/30/15 20:35	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/30/15 20:35	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/30/15 20:35	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/30/15 20:35	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/30/15 20:35	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/30/15 20:35	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/30/15 20:35	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/30/15 20:35	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/30/15 20:35	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/30/15 20:35	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/30/15 20:35	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/30/15 20:35	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/30/15 20:35	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/30/15 20:35	5
2-Hexanone	ND		25	6.2	ug/L			12/30/15 20:35	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/30/15 20:35	5
Acetone	ND		50	15	ug/L			12/30/15 20:35	5
Benzene	ND		5.0	2.1	ug/L			12/30/15 20:35	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/30/15 20:35	5
Bromoform	ND		5.0	1.3	ug/L			12/30/15 20:35	5
Bromomethane	ND		5.0	3.5	ug/L			12/30/15 20:35	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/30/15 20:35	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/30/15 20:35	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/30/15 20:35	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/30/15 20:35	5
Chloroethane	ND		5.0	1.6	ug/L			12/30/15 20:35	5
Chloroform	ND		5.0	1.7	ug/L			12/30/15 20:35	5
Chloromethane	ND		5.0	1.8	ug/L			12/30/15 20:35	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/30/15 20:35	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/30/15 20:35	5
Cyclohexane	ND		5.0	0.90	ug/L			12/30/15 20:35	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/30/15 20:35	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/30/15 20:35	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/30/15 20:35	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/30/15 20:35	5
Methyl acetate	ND		13	6.5	ug/L			12/30/15 20:35	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/30/15 20:35	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/30/15 20:35	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/30/15 20:35	5
Styrene	ND		5.0	3.7	ug/L			12/30/15 20:35	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/30/15 20:35	5
Toluene	ND		5.0	2.6	ug/L			12/30/15 20:35	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/30/15 20:35	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/30/15 20:35	5
Trichloroethene	ND		5.0	2.3	ug/L			12/30/15 20:35	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/30/15 20:35	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/30/15 20:35	5
Xylenes, Total	ND		10	3.3	ug/L			12/30/15 20:35	5

Client Sample ID: MW-9 DUP

Date Collected: 12/16/15 12:55
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-10

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*71 - 126*		*12/30/15 20:35*	*5*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*12/30/15 20:35*	*5*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/30/15 20:35*	*5*
Dibromofluoromethane (Surr)	*87*		*60 - 140*		*12/30/15 20:35*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.8	0.62	ug/L		12/19/15 08:29	01/07/16 09:23	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/19/15 08:29	01/07/16 09:23	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		12/19/15 08:29	01/07/16 09:23	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		12/19/15 08:29	01/07/16 09:23	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 09:23	1
2,4-Dimethylphenol	ND	*	4.8	0.48	ug/L		12/19/15 08:29	01/07/16 09:23	1
2,4-Dinitrophenol	ND		9.5	2.1	ug/L		12/19/15 08:29	01/07/16 09:23	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 09:23	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 09:23	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/19/15 08:29	01/07/16 09:23	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/19/15 08:29	01/07/16 09:23	1
2-Methylphenol	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 09:23	1
2-Methylnaphthalene	ND		4.8	0.57	ug/L		12/19/15 08:29	01/07/16 09:23	1
2-Nitroaniline	ND		9.5	0.40	ug/L		12/19/15 08:29	01/07/16 09:23	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/19/15 08:29	01/07/16 09:23	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 09:23	1
3-Nitroaniline	ND		9.5	0.46	ug/L		12/19/15 08:29	01/07/16 09:23	1
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L		12/19/15 08:29	01/07/16 09:23	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 09:23	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/19/15 08:29	01/07/16 09:23	1
4-Chloroaniline	ND	*	4.8	0.56	ug/L		12/19/15 08:29	01/07/16 09:23	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		12/19/15 08:29	01/07/16 09:23	1
4-Methylphenol	ND		9.5	0.34	ug/L		12/19/15 08:29	01/07/16 09:23	1
4-Nitroaniline	ND		9.5	0.24	ug/L		12/19/15 08:29	01/07/16 09:23	1
4-Nitrophenol	ND		9.5	1.4	ug/L		12/19/15 08:29	01/07/16 09:23	1
Acenaphthene	**1.1**	**J**	4.8	0.39	ug/L		12/19/15 08:29	01/07/16 09:23	1
Acenaphthylene	ND		4.8	0.36	ug/L		12/19/15 08:29	01/07/16 09:23	1
Acetophenone	ND		4.8	0.52	ug/L		12/19/15 08:29	01/07/16 09:23	1
Anthracene	**0.44**	**J**	4.8	0.27	ug/L		12/19/15 08:29	01/07/16 09:23	1
Atrazine	ND		4.8	0.44	ug/L		12/19/15 08:29	01/07/16 09:23	1
Benzaldehyde	**0.39**	**J**	4.8	0.25	ug/L		12/19/15 08:29	01/07/16 09:23	1
Benzo[a]anthracene	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 09:23	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 09:23	1
Benzo[b]fluoranthene	ND		4.8	0.32	ug/L		12/19/15 08:29	01/07/16 09:23	1
Benzo[g,h,i]perylene	ND		4.8	0.33	ug/L		12/19/15 08:29	01/07/16 09:23	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		12/19/15 08:29	01/07/16 09:23	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		12/19/15 08:29	01/07/16 09:23	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/19/15 08:29	01/07/16 09:23	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		12/19/15 08:29	01/07/16 09:23	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/19/15 08:29	01/07/16 09:23	1
Caprolactam	ND	*	4.8	2.1	ug/L		12/19/15 08:29	01/07/16 09:23	1
Carbazole	**0.73**	**J**	4.8	0.29	ug/L		12/19/15 08:29	01/07/16 09:23	1
Chrysene	ND		4.8	0.31	ug/L		12/19/15 08:29	01/07/16 09:23	1

Client Sample ID: MW-9 DUP
Date Collected: 12/16/15 12:55
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/19/15 08:29	01/07/16 09:23	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		12/19/15 08:29	01/07/16 09:23	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 09:23	1
Dibenzofuran	**0.58**	**J**	9.5	0.49	ug/L		12/19/15 08:29	01/07/16 09:23	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/19/15 08:29	01/07/16 09:23	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		12/19/15 08:29	01/07/16 09:23	1
Fluoranthene	**0.90**	**J**	4.8	0.38	ug/L		12/19/15 08:29	01/07/16 09:23	1
Fluorene	**1.4**	**J**	4.8	0.34	ug/L		12/19/15 08:29	01/07/16 09:23	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 09:23	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/19/15 08:29	01/07/16 09:23	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		12/19/15 08:29	01/07/16 09:23	1
Hexachloroethane	ND		4.8	0.56	ug/L		12/19/15 08:29	01/07/16 09:23	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		12/19/15 08:29	01/07/16 09:23	1
Isophorone	ND		4.8	0.41	ug/L		12/19/15 08:29	01/07/16 09:23	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/19/15 08:29	01/07/16 09:23	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/19/15 08:29	01/07/16 09:23	1
Naphthalene	ND		4.8	0.72	ug/L		12/19/15 08:29	01/07/16 09:23	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/19/15 08:29	01/07/16 09:23	1
Pentachlorophenol	ND		9.5	2.1	ug/L		12/19/15 08:29	01/07/16 09:23	1
Phenanthrene	**1.9**	**J**	4.8	0.42	ug/L		12/19/15 08:29	01/07/16 09:23	1
Phenol	ND		4.8	0.37	ug/L		12/19/15 08:29	01/07/16 09:23	1
Pyrene	**0.61**	**J**	4.8	0.32	ug/L		12/19/15 08:29	01/07/16 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*61*		*46 - 120*	*12/19/15 08:29*	*01/07/16 09:23*	*1*
Phenol-d5 (Surr)	*28*		*16 - 120*	*12/19/15 08:29*	*01/07/16 09:23*	*1*
p-Terphenyl-d14 (Surr)	*71*		*67 - 150*	*12/19/15 08:29*	*01/07/16 09:23*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*52 - 132*	*12/19/15 08:29*	*01/07/16 09:23*	*1*
2-Fluorobiphenyl	*64*		*48 - 120*	*12/19/15 08:29*	*01/07/16 09:23*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 120*	*12/19/15 08:29*	*01/07/16 09:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.49	0.091	ug/L		12/18/15 08:20	12/21/15 15:54	10
4,4'-DDE	ND		0.49	0.11	ug/L		12/18/15 08:20	12/21/15 15:54	10
4,4'-DDT	ND		0.49	0.11	ug/L		12/18/15 08:20	12/21/15 15:54	10
Aldrin	ND		0.49	0.080	ug/L		12/18/15 08:20	12/21/15 15:54	10
alpha-BHC	ND		0.49	0.076	ug/L		12/18/15 08:20	12/21/15 15:54	10
alpha-Chlordane	ND		0.49	0.15	ug/L		12/18/15 08:20	12/21/15 15:54	10
beta-BHC	ND		0.49	0.24	ug/L		12/18/15 08:20	12/21/15 15:54	10
delta-BHC	ND		0.49	0.099	ug/L		12/18/15 08:20	12/21/15 15:54	10
Dieldrin	ND		0.49	0.097	ug/L		12/18/15 08:20	12/21/15 15:54	10
Endosulfan I	ND		0.49	0.11	ug/L		12/18/15 08:20	12/21/15 15:54	10
Endosulfan II	ND		0.49	0.12	ug/L		12/18/15 08:20	12/21/15 15:54	10
Endosulfan sulfate	ND		0.49	0.15	ug/L		12/18/15 08:20	12/21/15 15:54	10
Endrin	ND		0.49	0.14	ug/L		12/18/15 08:20	12/21/15 15:54	10
Endrin aldehyde	ND		0.49	0.16	ug/L		12/18/15 08:20	12/21/15 15:54	10
Endrin ketone	**0.25**	**J**	0.49	0.12	ug/L		12/18/15 08:20	12/21/15 15:54	10
gamma-BHC (Lindane)	ND		0.49	0.079	ug/L		12/18/15 08:20	12/21/15 15:54	10
gamma-Chlordane	ND		0.49	0.11	ug/L		12/18/15 08:20	12/21/15 15:54	10

Client Sample ID: MW-9 DUP

Date Collected: 12/16/15 12:55
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-10

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		0.49	0.084	ug/L		12/18/15 08:20	12/21/15 15:54	10
Heptachlor epoxide	ND		0.49	0.073	ug/L		12/18/15 08:20	12/21/15 15:54	10
Methoxychlor	ND		0.49	0.14	ug/L		12/18/15 08:20	12/21/15 15:54	10
Toxaphene	ND		4.9	1.2	ug/L		12/18/15 08:20	12/21/15 15:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 15:54*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*12/18/15 08:20*	*12/21/15 15:54*	*10*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 15:54*	*10*
Tetrachloro-m-xylene	*0*	*X*	*36 - 120*	*12/18/15 08:20*	*12/21/15 15:54*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 21:05	1
PCB-1221	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 21:05	1
PCB-1232	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 21:05	1
PCB-1242	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 21:05	1
PCB-1248	ND		0.47	0.17	ug/L		12/18/15 08:02	12/18/15 21:05	1
PCB-1254	ND		0.47	0.24	ug/L		12/18/15 08:02	12/18/15 21:05	1
PCB-1260	ND		0.47	0.24	ug/L		12/18/15 08:02	12/18/15 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*24 - 137*	*12/18/15 08:02*	*12/18/15 21:05*	*1*
Tetrachloro-m-xylene	*66*		*24 - 137*	*12/18/15 08:02*	*12/18/15 21:05*	*1*
DCB Decachlorobiphenyl	*53*		*19 - 125*	*12/18/15 08:02*	*12/18/15 21:05*	*1*
DCB Decachlorobiphenyl	*58*		*19 - 125*	*12/18/15 08:02*	*12/18/15 21:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.62**		0.20	0.060	mg/L		12/21/15 07:00	12/21/15 21:34	1
Antimony	ND		0.020	0.0068	mg/L		12/21/15 07:00	12/21/15 21:34	1
Arsenic	ND		0.015	0.0056	mg/L		12/21/15 07:00	12/21/15 21:34	1
Barium	**0.30**		0.0020	0.00070	mg/L		12/21/15 07:00	12/21/15 21:34	1
Beryllium	ND		0.0020	0.00030	mg/L		12/21/15 07:00	12/21/15 21:34	1
Cadmium	ND		0.0020	0.00050	mg/L		12/21/15 07:00	12/21/15 21:34	1
Calcium	**290**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 21:34	1
Chromium	**0.0017**	**J**	0.0040	0.0010	mg/L		12/21/15 07:00	12/21/15 21:34	1
Cobalt	**0.0010**	**J**	0.0040	0.00063	mg/L		12/21/15 07:00	12/21/15 21:34	1
Copper	ND		0.010	0.0016	mg/L		12/21/15 07:00	12/21/15 21:34	1
Iron	**9.3**	**B**	0.050	0.019	mg/L		12/21/15 07:00	12/21/15 21:34	1
Lead	ND		0.010	0.0030	mg/L		12/21/15 07:00	12/21/15 21:34	1
Magnesium	**50.7**		0.20	0.043	mg/L		12/21/15 07:00	12/21/15 21:34	1
Manganese	**0.88**		0.0030	0.00040	mg/L		12/21/15 07:00	12/21/15 21:34	1
Nickel	**0.0017**	**J**	0.010	0.0013	mg/L		12/21/15 07:00	12/21/15 21:34	1
Potassium	**40.4**		0.50	0.10	mg/L		12/21/15 07:00	12/21/15 21:34	1
Selenium	ND		0.025	0.0087	mg/L		12/21/15 07:00	12/21/15 21:34	1
Silver	ND		0.0060	0.0017	mg/L		12/21/15 07:00	12/21/15 21:34	1
Sodium	**45.3**		1.0	0.32	mg/L		12/21/15 07:00	12/21/15 21:34	1
Thallium	ND		0.020	0.010	mg/L		12/21/15 07:00	12/21/15 21:34	1
Vanadium	ND		0.0050	0.0015	mg/L		12/21/15 07:00	12/21/15 21:34	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-9 DUP
Date Collected: 12/16/15 12:55
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0066	J	0.010	0.0015	mg/L		12/21/15 07:00	12/21/15 21:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	15.6		1.0	0.43	mg/L			12/24/15 08:27	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: TRIP BLANK
Date Collected: 12/16/15 00:00
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/30/15 12:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/30/15 12:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/30/15 12:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/30/15 12:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/30/15 12:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/30/15 12:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/30/15 12:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/30/15 12:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/30/15 12:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/30/15 12:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/30/15 12:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/30/15 12:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/30/15 12:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/30/15 12:54	1
2-Hexanone	ND		5.0	1.2	ug/L			12/30/15 12:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/30/15 12:54	1
Acetone	ND		10	3.0	ug/L			12/30/15 12:54	1
Benzene	ND		1.0	0.41	ug/L			12/30/15 12:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/30/15 12:54	1
Bromoform	ND		1.0	0.26	ug/L			12/30/15 12:54	1
Bromomethane	ND		1.0	0.69	ug/L			12/30/15 12:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/30/15 12:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/30/15 12:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/30/15 12:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/30/15 12:54	1
Chloroethane	ND		1.0	0.32	ug/L			12/30/15 12:54	1
Chloroform	ND		1.0	0.34	ug/L			12/30/15 12:54	1
Chloromethane	ND		1.0	0.35	ug/L			12/30/15 12:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/30/15 12:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/30/15 12:54	1
Cyclohexane	ND		1.0	0.18	ug/L			12/30/15 12:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/15 12:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/30/15 12:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/30/15 12:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/30/15 12:54	1
Methyl acetate	ND		2.5	1.3	ug/L			12/30/15 12:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/30/15 12:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/30/15 12:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/30/15 12:54	1
Styrene	ND		1.0	0.73	ug/L			12/30/15 12:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/30/15 12:54	1
Toluene	ND		1.0	0.51	ug/L			12/30/15 12:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/30/15 12:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/30/15 12:54	1
Trichloroethene	ND		1.0	0.46	ug/L			12/30/15 12:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/30/15 12:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/30/15 12:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/30/15 12:54	1

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: TRIP BLANK
Date Collected: 12/16/15 00:00
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		71 - 126		12/30/15 12:54	1
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		12/30/15 12:54	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/30/15 12:54	1
Dibromofluoromethane (Surr)	107		60 - 140		12/30/15 12:54	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-1

Lab Sample ID: 480-92920-1

Date Collected: 12/16/15 10:50

Matrix: Water

Date Received: 12/18/15 02:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	281806	12/30/15 15:51	SWO	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 05:07	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		10	280745	12/21/15 12:30	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 19:06	KS	TAL BUF
Dissolved	Prep	3005A			280565	12/21/15 07:10	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	280959	12/21/15 14:29	AMH	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 20:21	SLB	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:32	TAS	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 13:46	TAS	TAL BUF
Total/NA	Analysis	9060A		1	281535	12/23/15 21:27	DCB	TAL BUF

Client Sample ID: MW-2

Lab Sample ID: 480-92920-2

Date Collected: 12/16/15 14:15

Matrix: Water

Date Received: 12/18/15 02:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	281806	12/30/15 16:17	SWO	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 05:35	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		1	280745	12/21/15 12:48	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 19:21	KS	TAL BUF
Dissolved	Prep	3005A			280565	12/21/15 07:10	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	280959	12/21/15 14:32	AMH	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 20:24	SLB	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:34	TAS	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 13:47	TAS	TAL BUF
Total/NA	Analysis	9060A		1	281535	12/23/15 21:56	DCB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-3

Date Collected: 12/16/15 14:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	281806	12/30/15 16:42	SWO	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 06:04	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		50	280745	12/21/15 13:07	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 19:36	KS	TAL BUF
Dissolved	Prep	3005A			280565	12/21/15 07:10	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	280959	12/21/15 14:36	AMH	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 20:27	SLB	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		5	280991	12/21/15 20:31	SLB	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:36	TAS	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 13:55	TAS	TAL BUF
Total/NA	Analysis	9060A		5	281535	12/23/15 22:26	DCB	TAL BUF

Client Sample ID: MW-4

Date Collected: 12/16/15 11:00
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	281815	12/30/15 19:49	SWO	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 06:33	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		10	280745	12/21/15 13:25	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 19:51	KS	TAL BUF
Dissolved	Prep	3005A			280565	12/21/15 07:10	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	280959	12/21/15 14:39	AMH	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 20:34	SLB	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:41	TAS	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 13:56	TAS	TAL BUF
Total/NA	Analysis	9060A		1	281535	12/23/15 22:56	DCB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-5

Date Collected: 12/16/15 14:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	281806	12/30/15 17:32	SWO	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 07:01	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		10	280745	12/21/15 13:44	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 20:05	KS	TAL BUF
Dissolved	Prep	3005A			280565	12/21/15 07:10	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	280959	12/21/15 14:42	AMH	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		5	280991	12/21/15 20:38	SLB	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 20:51	SLB	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:44	TAS	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 14:09	TAS	TAL BUF
Total/NA	Analysis	9060A		1	281535	12/23/15 23:25	DCB	TAL BUF

Client Sample ID: MW-6

Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	281806	12/30/15 17:58	SWO	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 07:30	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		50	280745	12/21/15 14:03	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 21:49	KS	TAL BUF
Dissolved	Prep	3005A			280565	12/21/15 07:10	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	280959	12/21/15 14:46	AMH	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 20:54	SLB	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:45	TAS	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 14:11	TAS	TAL BUF
Total/NA	Analysis	9060A		5	282258	01/04/16 16:04	DLG	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Client Sample ID: MW-8

Date Collected: 12/16/15 13:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	281806	12/30/15 18:23	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	80	281935	12/30/15 23:29	GVF	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 07:58	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		1	280745	12/21/15 14:21	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 20:20	KS	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 21:01	SLB	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 14:14	TAS	TAL BUF
Total/NA	Analysis	9060A		1	281535	12/24/15 04:10	DCB	TAL BUF

Client Sample ID: MW-8 DUP

Date Collected: 12/16/15 12:30
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	281806	12/30/15 19:14	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	40	281935	12/30/15 23:52	GVF	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 08:26	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		1	280745	12/21/15 15:17	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 20:35	KS	TAL BUF
Dissolved	Prep	3005A			280565	12/21/15 07:10	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	280959	12/21/15 14:49	AMH	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 21:04	SLB	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:47	TAS	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 14:15	TAS	TAL BUF
Total/NA	Analysis	9060A		1	281535	12/24/15 04:38	DCB	TAL BUF

Client Sample ID: MW-9

Date Collected: 12/16/15 12:45
Date Received: 12/18/15 02:10

Lab Sample ID: 480-92920-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	281815	12/30/15 20:12	SWO	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 08:55	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		10	280745	12/21/15 15:36	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 20:50	KS	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 21:07	SLB	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 14:17	TAS	TAL BUF
Total/NA	Analysis	9060A		1	281535	12/24/15 05:06	DCB	TAL BUF

Client Sample ID: MW-9 DUP

Lab Sample ID: 480-92920-10

Date Collected: 12/16/15 12:55

Matrix: Water

Date Received: 12/18/15 02:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	281815	12/30/15 20:35	SWO	TAL BUF
Total/NA	Prep	3510C			280629	12/19/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	282509	01/07/16 09:23	PJQ	TAL BUF
Total/NA	Prep	3510C			280456	12/18/15 08:20	JIL	TAL BUF
Total/NA	Analysis	8081B		10	280745	12/21/15 15:54	MAN	TAL BUF
Total/NA	Prep	3510C			280455	12/18/15 08:02	JIL	TAL BUF
Total/NA	Analysis	8082A		1	280575	12/18/15 21:05	KS	TAL BUF
Total/NA	Prep	3005A			280561	12/21/15 07:00	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	280991	12/21/15 21:34	SLB	TAL BUF
Total/NA	Prep	7470A			280734	12/21/15 08:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	280956	12/21/15 14:19	TAS	TAL BUF
Total/NA	Analysis	9060A		1	281535	12/24/15 08:27	DCB	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92920-11

Date Collected: 12/16/15 00:00

Matrix: Water

Date Received: 12/18/15 02:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	281806	12/30/15 12:54	SWO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Frmr Marble Quarry Landfill #C360143

TestAmerica Job ID: 480-92920-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92920-1	MW-1	Water	12/16/15 10:50	12/18/15 02:10
480-92920-2	MW-2	Water	12/16/15 14:15	12/18/15 02:10
480-92920-3	MW-3	Water	12/16/15 14:30	12/18/15 02:10
480-92920-4	MW-4	Water	12/16/15 11:00	12/18/15 02:10
480-92920-5	MW-5	Water	12/16/15 14:45	12/18/15 02:10
480-92920-6	MW-6	Water	12/16/15 13:30	12/18/15 02:10
480-92920-7	MW-8	Water	12/16/15 13:30	12/18/15 02:10
480-92920-8	MW-8 DUP	Water	12/16/15 12:30	12/18/15 02:10
480-92920-9	MW-9	Water	12/16/15 12:45	12/18/15 02:10
480-92920-10	MW-9 DUP	Water	12/16/15 12:55	12/18/15 02:10
480-92920-11	TRIP BLANK	Water	12/16/15 00:00	12/18/15 02:10

Chain of Custody Record

480501-Albany

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Randy Whitcher	12/16/15	276123
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
625 Broadway	518-402-9662		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12230			
Project Name and Location (State)	**Carrier/Waybill Number**		
Fmr Marble Quarry Landfill C 360143			
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	8062A-TCL VOCs	8081B-TCL Pesticides	8270D-TCL SVOAs	6010C TAL Metals	7470A-Mercury	8260-TCL VOC	TAL-4e	Analysis (Attach list if more space is needed)
MW-1	12/16/15	10:50		X			6		2	3			X	X	X	X	X	X		
MW-2	12/16/15	14:15		X			6		2	3										
MW-3	12/16/15	14:30		X			6		2	3										
MW-4	12/16/15	11:00		X			6		2	3										
MW-5	12/16/15	14:45		X			6		2	3										
MW-6	12/16/15	13:30		X			6		2	3										
~~MW-7~~	~~12/16/15~~			X			6		2	3										
MW-8	12/16/15	13:30		X			6		1	3										
MW-8 Dup	12/16/15	12:30		X			6		2	3										
MW-9	12/16/15	1245		X			6		2	3										
MW-9 Dup	12/16/15	1255		X			6		3	3										
Trip Blank				X					3									3		

Special Instructions/ Conditions of Receipt

3 Coolers

480-92920 Chain of Custody

Albany 480501

Page 70 of 71

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 _____

QC Requirements (Specify)

		Date	Time
1. Relinquished By	Randy Whitcher	12/16/15	11:30 AM
2. Relinquished By	TAALB	12/17/15	1800
3. Relinquished By			
1. Received By	TAALB LockBox	12/17/15	11:30
2. Received By	12-18-15 TAS 0210		
3. Received By			

Comments

0.8, 0.4 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

1/7/2016

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-92920-1

Login Number: 92920 **List Source: TestAmerica Buffalo**
List Number: 1
Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYSDEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	