

Supplemental Subsurface Investigation

February 27, 2017

Subject Property:

381-393 Huguenot Street
New Rochelle, New York
Tax Parcel: Section 2; Block 439; Lot 5, 7, 16 and 17

Prepared for:

Chechile Realty and 381-383 Huguenot LLC
381-393 Huguenot Street
New Rochelle, NY 10801

Report User:

Chechile Realty and 381-383 Huguenot LLC
381-393 Huguenot Street
New Rochelle, NY 10801

CERTIFICATION

Client: Chechile Realty and 381-383 Huguenot LLC Realty
Project: Supplemental Subsurface Investigation
Location: 381-393 Huguenot Street, New Rochelle, New York

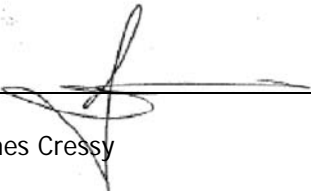
Cider Key Personnel

<u>Title</u>	<u>Name</u>	<u>Telephone</u>
Project Manager	James Cressy	(631) 365-6118
Sr. Consultant	Wenqing Fang	(631) 790-3338

I certify that this subsurface investigation was performed under my direction and supervision, that I have reviewed and approved the report, and that the methods and procedures employed in the development of the report conform to industry standards, specifically ASTM E1903-11 standard for Phase II Environmental Site Assessment.

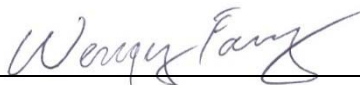
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR part 312.

I am responsible for the content of this report, have reviewed its contents and certify that it is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.



James Cressy

Qualified Environmental Professional



Wenqing Fang, P.E.

Qualified Environmental Professional

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LIST OF ACRONYMS

Acronym	Definition
AMSL	Above Mean Sea Level
AOC	Area of Concern
BGS	Below ground surface
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPR	Ground Penetrating Radar
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NCDOH	Nassau County Department of Health
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
NYS DEC	New York State Department of Environmental Conservation
OSHA	Occupational Safety and Health Administration
PID	Photo Ionization Detector
QA/QC	Quality Assurance and Quality Control
QEP	Qualified Environmental Professional
REC	Recognized Environmental Condition
SCO	Soil Cleanup Objective
SOW	Scope of Work
USEPA	United State Environmental Protection Agency
USGS	United State Geological Survey

1 EXECUTIVE SUMMARY

Cider Environmental (CE), on behalf of Chechile Realty and 381-383 Huguenot LLC Realty (the "Client"), has completed this Supplemental Subsurface Investigation (SSI) for the property located at 381-393 Huguenot Street, New Rochelle, New York (herein referred to as the "Subject Property").

The SSI was designed to further define and delineate the environmental conditions at the Subject Property, following the Phase II ESA dated 3/17/2016 prepared by CE, in support of the application for the Brownfield Cleanup Program (BCP) with the NYSDEC.

The scope of work (SOW) for this SSI was developed based on discussion with the NYSDEC representative and the previous Phase I/II ESA. A site-specific Health and Safety Plan (HASP) was designed and implemented. No health and/or safety issues were identified during the project.

From February 14 to 15, 2017, Cider Environmental performed a supplemental subsurface investigation on the Subject Property. A total of twenty (20) soil borings were installed, using professional judgement, in search of potential urban fill material throughout the Subject Property.

The SSI detected a 2-foot layer of urban fill material throughout the site. The subsurface soil consists of dark to brown medium to coarse sand from grade to 10 feet below. Weathered bedrock was encountered approximately 5-6 feet below grade. Groundwater was encountered at approximately 6 to 8 feet below grade. Based on the groundwater elevation survey, the groundwater flow direction on the site is to the northwest.

Lead was detected at levels above the RRSCO in 5 out of the 12 selected soil samples. The highest concentration was detected at 4,330 mg/Kg (SB-21 [0'-2']) compared to RRSCO of 400 mg/Kg.

Mercury was detected at level above the RRSCO in 1 out of the 12 selected soil samples. SB-21 [0'-2'] has mercury at 1.26 mg/Kg compared to RRSCO of 0.81 mg/Kg.

PCB (Aroclor 1254) was detected at level above the RRSCO in 1 out of the 12 selected soil samples. SB-2B [5'-7'] has PCB at 3,000 ug/Kg compare to RRSCO of 1,000 ug/Kg.

SVOCs were detected at levels above the RRSCO in 2 out of the 12 selected soil samples. The highest concentration of SVOCs were detected in SB-12[0'-2']. Specifically, benzo-a-anthracene was detected at 5,800 ug/Kg compared to RRSCO of 1,000 ug/Kg; benzo-a-pyrene was detected at 5,800 ug/Kg compared to RRSCO of 1,000 ug/Kg; benzo-b-fluoranthene was detected at 5,600 ug/Kg compared to

RRSCO of 1,000 ug/Kg; benzo-k-fluoranthene was detected at 5,400 ug/Kg compared to RRSCO of 3,900 ug/Kg; chrysene was detected at 5,800 ug/Kg compared to RRSCO of 3,900 ug/Kg; dibenzo-a,h-anthracene was detected at 720 ug/Kg compared to RRSCO of 330 ug/Kg; and indeno(1,2,3-cd)pyrene was detected at 3,500 ug/Kg compared to RRSCO of 500 ug/Kg.

The laboratory analysis performed on groundwater sample GW-6 detected several target VOCs and SVOCs at levels above the AWQS. The laboratory analysis performed on groundwater samples GW-7 and GW-8 did not detect any target VOCs or SVOCs at levels above the AWQS.

Based on the survey and analytical results under the scope of this SSI, it is concluded that:

- A 2-foot layer of urban fill material exists throughout the site. Lead (maximum 4,330 mg/Kg) was detected at levels exceeding the RRSCO (400 mg/Kg) within the urban fill layer at multiple locations. This urban fill layer will require excavation and off-site disposal as part of the proposed site redevelopment project.
- Mercury was detected at level (1.26 mg/Kg) exceeding the RRSCO (0.81 mg/Kg) at one (1) location (SB-21 [0'-2']). PCB was detected at level (3,000 ug/Kg) exceeding the RRSCO (1,000 ug/Kg) at one (1) location (SB-2B [5'-7']). The sources of contamination are unclear. Presumably from urban fill material.
- A groundwater elevation survey demonstrated that the groundwater flow direction is toward northwest. The additional groundwater sampling performed during this SSI has sufficiently delineated the extent of the groundwater contamination. It is concluded that the existing groundwater contamination is from the fuel oil UST application on the Subject Property; and that the extent of the existing groundwater contamination is limited within the Site boundary.

Based on the results of this SSI, CE has the following recommendations:

- It is recommended that the results of the SSI be included into the Brownfield Cleanup Program (BCP) application.

2 INTRODUCTION

Cider Environmental (CE), on behalf of Chechile Realty and 381-383 Huguenot LLC Realty (the “Client”), has completed this Supplemental Subsurface Investigation (SSI) for the property located at 381-393 Huguenot Street, New Rochelle, New York (herein referred to as the “Subject Property”).

2.1 Purpose

The SSI was designed to further define and delineate the environmental conditions at the Subject Property, following the Phase II ESA dated 3/17/2016 prepared by CE, in support of the application for the Brownfield Cleanup Program (BCP) with the NYSDEC.

2.2 Applicable Guidance

Unless otherwise noted, the SSI was prepared in accordance with ASTM E 1903-11, Standard Guide for Environmental Site Assessments: Phase II ESA Process. The following documents, issued by state and local regulatory agencies, were also referenced:

- NYSDEC, Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010
- NYSDEC CP-51 Soil Cleanup Guidance
- 6 NYCRR Part 375 Subpart 375-6, Remedial Program Soil Cleanup Objectives
- NYSDEC, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations

3 SITE BACKGROUND

The Subject Property is located at 381-393 Huguenot Street, New Rochelle, New York. **Figure 1** shows the Subject Property location on the United States Geological Survey (USGS) topographic quadrangle map. **Figure 2** shows the Subject Property on aerial photo dated 2012. The approximate ground surface elevation is 88 feet above mean sea level (AMSL). The general topographic gradient is towards southwest.

The property consists of four (4) separate irregular shaped lots, including Lot 5 (no address), 7 (393 Huguenot), 16 (383 Huguenot) and 17 (381 Huguenot). Said lots will collectively be referenced as the Subject Property, unless noted otherwise. The Subject Property consists of these irregular shaped parcels totaling approximately 0.39 acres. The property currently maintains two structures. Lot 7 currently maintains an irregular shaped one-story building (with partial basement), with an approximate footprint of 3,400-square feet. Said structure occupies approximately the entire extent of the lot, except for a portions to the south and to the east of the building. The structure is serviced by a natural gas fired HVAC system maintained within the partial basement. This building is currently utilized for office and storage space associated with a U-Haul business, a real-estate firm, and a janitorial supply business. The vehicles associated with the U-Haul business are currently parked on Lot 5. Lots 16 and 17 currently maintain an irregular shaped two-story building (with a full basement), with an approximate footprint of 2,250-square feet. The building occupies the eastern half of the lot, with the western half utilized for storage and automobile parking. Said structure is serviced by two fuel oil fired boilers (one for each lot/address), with two 275-gallon fuel oil ASTs maintained in the basement of the building. The basement and first floor of the building maintained on Lot 17 are vacant/unoccupied, with the second floor occupied by residential tenants. The first floor of the building maintained on Lot 16 is vacant/unoccupied, with the basement occupied by a hydraulic repair business and the second floor occupied by residential tenants. The Subject Property is bound to the north by a vacant store (first floor) with residential above; to the south by a three-story residential apartment building and a one-story residential building; to the east by Huguenot Street and beyond by a Gulf labeled gasoline filling station; and to the west by an office building/warehouse.

4 PREVIOUS INVESTIGATION

In March 2016, CE performed a Phase II ESA at the Subject Property. The Subject Property (381 Huguenot Street, under the name of Rush Manufacturing) has an open NYSDEC Spill case (9604099). This spill was reported on June 6, 1996 due to soil and groundwater contamination encountered during a site investigation. The Phase II ESA collected subsurface soil/groundwater/soil gas samples to evaluate the potential environmental impacts of the active NYSDEC Spill case. The soil samples show several target VOC/SVOCs at levels above the Unrestricted Use Soil Cleanup Objectives. Elevated PID readings (>1,000 ppm) and strong petroleum odors were noted during soil sampling. The soil gas samples detected several gasoline related compounds. The groundwater samples showed evidence of impact from historic fuel oil and gasoline operations.

The northeastern portion of the Subject Property (383 Huguenot Street) has been utilized for cleaning services from 1931 to 1951. The 1931 Sanborn Map depicted a "dry cleaning" service on this portion of the Subject Property. During the Phase II ESA, subsurface soil/groundwater/soil gas samples were collected from this area. The soil/groundwater/soil gas samples did not show elevated PCE or its breakdown compounds at levels exceeding the applicable guidance values.

The northeastern portion of the Subject Property (381 & 383 Huguenot Street) had maintained fuel oil USTs. A remote sensing survey was performed at this area in search of any abandoned USTs. No abandoned USTs were identified. The soil samples from this area (SB-3 [7'-9'] and SB-4 [7'-9']) did not detect any fuel oil related target analytes at levels above the RRSCO. Elevated PID readings (maximum 346 ppm) and strong petroleum odors were noted during soil sampling. The groundwater sample from this area (GW-2) detected elevated levels of petroleum product related SVOCs (>13 ppm in total SVOCs) exceeding the AWQS. It appears that the former fuel oil UST operations have impacted the groundwater quality and levels warrant remediation.

The southwestern portion of the Subject Property (393 Huguenot Street) has historically maintained a gasoline filling station from 1931 to 1951. A remote sensing survey was performed at this area in search of any abandoned USTs. No abandoned USTs were identified. The soil samples from this area (SB-9 [10'-12'] and SB-10 [8'-10']) did not detect any gasoline related target analytes at levels above the applicable guidance values. Elevated PID readings (>1000 ppm) and strong petroleum odors were noted during soil sampling. The groundwater sample from this area (GW-5) detected elevated levels of gasoline related VOCs (>0.500 ppm in total VOCs) exceeding the AWQS.

5 SCOPE OF WORK

The scope of work (SOW) for this SSI was developed based on discussion with the NYSDEC representative and the previous Phase I/II ESA.

- Install a total of 12 soil borings on the Site. The soil borings SB-2B, SB-3B, SB-9B, SB-11, SB-13, SB-14, SB-15 and SB-16 will be installed using a Geoprobe 6600 Unit to 15 feet below grade or until groundwater is encountered, whichever happens first. The soil borings SB-12, SB-17, SB-18 and SB-19 will be installed inside the existing buildings via a core drill. Soil samples will be collected from 0 to 2 feet below building slabs.
- The soil samples showing indication of fill material (ash, coal, paint flakes, etc) will be selected for laboratory analysis. The soil samples with elevated PID readings and visual/olfactory indication of petroleum impact will be selected for laboratory analysis.
- Up to twelve (12) selected soil samples will be analyzed via USEPA Test Method 8270/ 6010 / 8082 for SVOCs, TAL Metals and PBCs.
- Install four (4) temporary groundwater wells (GW-5B, GW-6, GW-7 and GW-8). The wells will be constructed using direct push techniques with 1-inch PVC screens (with sand packs). The installed wells (and the existing well GW-4) will be gauged and surveyed to determine site-specific groundwater flow direction.
- Collect up to three (3) groundwater samples. The selected groundwater samples will be analyzed via USEPA Test Method 8260 CP-51 / 8270 CP-51 for VOCs and SVOCs.
- Prepare a Subsurface Investigation Report.

During the field implementation, a total of twenty (20) soil borings were installed, using professional judgement, in search of potential urban fill material throughout the Subject Property.

6 SITE-SPECIFIC HEALTH AND SAFETY PLAN

Cider Environmental implemented a site-specific Health and Safety Plan (HASP) for Cider Environmental and subcontractor personnel that participated in the field work performed at the Subject Property.

Personal health and safety precautions were followed in accordance with applicable federal and state law or local equivalents and any requirements imposed by the owner, occupant, or field personnel. In addition to the site-specific HASP, the following activities were performed to further ensure a smooth project without any health and safety incidents:

- Prior to the field work, Cider Environmental called for public utilities markout.
- Cider Environmental hired a third-party line-locating service utilizing ground penetrating radar (GPR) technology to survey the selected areas.
- Daily tailgate safety meeting was held with Cider Environmental and subcontractor personnel.
- All sampling locations were pre-cleared by hand probe and/or air knifing to at least 5 ft BGS.

There were no health and/or safety issues identified during the fieldwork of this SSI.

7 FIELD INVESTIGATION ACTIVITIES

From February 14 to 15, 2017, Cider Environmental performed a supplemental subsurface investigation on the Subject Property in accordance with the approved SOW as detailed in **Section 5** of this report. Standard field operation procedures can be referenced with **Section 12** of this report. Quality assurance and quality control (QA/QC) procedures can be referenced with **Section 13** of this report.

7.1 Subsurface Soil Sampling

From February 14 to 15, 2017, Cider Environmental supervised the installation of twenty (20) soil borings on selected areas of the Subject Property. The soil borings outside the buildings were installed utilizing direct-push techniques via a Geoprobe 6600 unit. All borings were hand cleared and/or air knifed to 5 feet below grade prior to mechanical drilling. The soil borings within the buildings were installed utilizing a core drill. The locations of the soil borings can be referenced with **Figure 3**.

Headspace analysis was performed on all the soil samples acquired in order to provide precursory data regarding hydrocarbon contamination. Results of the analysis were used to adjust the sampling and analysis program to yield the most accurate and representative results. The results of the field analysis are presented as part of the soil log in **Appendix A**.

All soil samples collected from the Site were subjected to visual inspection to identify any signs of chemical contamination and to classify the sample media. Color classifications were made in accordance with the Munsell Classification System. Gradation classifications were made in accordance with the Unified Soil Classification System. The detailed soil logs are presented in **Appendix A**.

7.2 Groundwater Sampling

From February 14 to 15, 2017, Cider Environmental supervised the installation of four (4) temporary groundwater wells on the Subject Property. Groundwater was encountered at approximately 9 feet below ground surface (BGS). The temporary wells were installed to a depth of approximately 15 feet BGS, approximately 5 feet into groundwater. The locations of the temporary well points can be referenced with **Figure 3**. The temporary groundwater wells were installed via a Geoprobe system. The construction details of the temporary groundwater wells can be referenced with **Appendix A**.

A minimum of three (3) well volumes were purged from each monitoring well prior to the collection of groundwater samples. Field measurements were secured from each monitoring well during the development process to provide data regarding physical groundwater characteristics. The development water was field analyzed for pH, specific conductivity and temperature. Results of the field measurements

were utilized to establish steady state conditions within the groundwater aquifer. Purging and sample collection was accomplished using a submersible pump with disposable polyethylene tubing and/or a polyethylene disposable bailer. Aqueous samples were placed in laboratory-provided glassware, packed on ice in shipping containers, and submitted under proper chain-of-custody to the analytical laboratory. Equipment used for groundwater sampling consisted of new, disposable materials, or was properly decontaminated between sample locations. Sampling personnel changed nitrile sampling gloves between each sample location to minimize the potential for sample cross-contamination.

7.3 Groundwater Elevation Survey

On February 15, 2017, a groundwater elevation survey was performed on the Site to determine groundwater flow direction. The elevation of groundwater was gauged at each monitoring well and recorded. The elevations were used to graphically define the planimetric surface of the water table. The elevations of the top of the casings were represented with respect to each other and based on a benchmark elevation or approximate elevation above mean sea level. The groundwater elevations were based as a function of the depth to water and these elevations.

Based on the groundwater elevation survey, the groundwater flow direction on the site is to the northwest. This is consistent with the regional groundwater flow direction. A detailed groundwater potentiometric map is referenced in **Figure 4**. Water level data is included in **Table 2**.

8 SAMPLE SELECTION AND FREQUENCY

All soil samples collected were subjected to headspace analysis. The soil samples showing indication of fill material (ash, coal, paint flakes, etc.) were selected for laboratory analysis. The soil samples with elevated PID readings and visual/olfactory indication of petroleum impact were selected for laboratory analysis.

Table 1 presents a summary list of the samples submitted for laboratory analysis, and a list of the test method applied to each sample.

The soil/groundwater samples selected for laboratory analysis were containerized in the appropriate vessels, preserved at 4°C in a cooler and transported under proper chain-of-custody procedures to a NYS-DOH certified commercial laboratory for analysis.

The sample documentation procedures are detailed in **Section 12**.

9 RESULTS AND EVALUATION

9.1 Site Geology and Hydrology

According to the United State Department of Agriculture (USDA) Natural Resources Conservation Service, the soil at the Subject Property is classified as *Uh-Urban*. The SSI detected a 2-foot layer of urban fill material throughout the site. The subsurface soil consists of dark to brown medium to coarse sand from grade to 10 feet below. Weathered bedrock was encountered approximately 5-6 feet below grade.

Groundwater was encountered at approximately 6 to 8 feet below grade. Based on the groundwater elevation survey, the groundwater flow direction on the site is to the northwest.

9.2 Evaluation of Analytical Results

The laboratory quality assurance / quality control (QA/QC) data summary for each laboratory data set was reviewed. The samples were analyzed within the proper holding time, the samples were properly preserved and the samples arrived at the laboratory in good condition at the proper temperature.

A review of the QA/QC analytical data included in the laboratory reports did not reveal any major QA/QC issues. For groundwater sample GW-6, 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.

A summary of the laboratory analytical results versus the applicable guidance values can be referenced with **Table 3** through **Table 4**. The original laboratory analysis report is presented in **Appendix B**. The summary of exceedances are presented in **Figure 5** and **Figure 6**.

Applicable Guidance:

- The laboratory analysis results of the soil samples were compared against the 6 NYCRR Part 375 Unrestricted Uses Soil Cleanup Objectives (UUSCO) and 6 NYCRR Part 375 Restricted Residential SCO (RRSCO).
- The laboratory analysis results of the groundwater samples were compared against NYSDEC, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations (AWQS).

Lead was detected at levels above the RRSCO in 5 out of the 12 selected soil samples. The highest concentration was detected at 4,330 mg/Kg (SB-21 [0'-2']) compared to RRSCO of 400 mg/Kg.

Mercury was detected at level above the RRSCO in 1 out of the 12 selected soil samples. SB-21 [0'-2'] has mercury at 1.26 mg/Kg compared to RRSCO of 0.81 mg/Kg.

PCB (Aroclor 1254) was detected at level above the RRSCO in 1 out of the 12 selected soil samples. SB-2B [5'-7'] has PCB at 3,000 ug/Kg compare to RRSCO of 1,000 ug/Kg.

SVOCs were detected at levels above the RRSCO in 2 out of the 12 selected soil samples. The highest concentration of SVOCs were detected in SB-12[0'-2']. Specifically, benzo-a-anthracene was detected at 5,800 ug/Kg compared to RRSCO of 1,000 ug/Kg; benzo-a-pyrene was detected at 5,800 ug/Kg compared to RRSCO of 1,000 ug/Kg; benzo-b-fluoranthene was detected at 5,600 ug/Kg compared to RRSCO of 1,000 ug/Kg; benzo-k-fluoranthene was detected at 5,400 ug/Kg compared to RRSCO of 3,900 ug/Kg; chrysene was detected at 5,800 ug/Kg compared to RRSCO of 3,900 ug/Kg; dibenzo-a,h-anthracene was detected at 720 ug/Kg compared to RRSCO of 330 ug/Kg; and indeno(1,2,3-cd)pyrene was detected at 3,500 ug/Kg compared to RRSCO of 500 ug/Kg.

Refer to **Table 3** and **Figure 5** for details.

The laboratory analysis performed on groundwater sample GW-6 detected several target VOCs and SVOCs at levels above the AWQS. The laboratory analysis performed on groundwater samples GW-7 and GW-8 did not detect any target VOCs or SVOCs at levels above the AWQS.

Refer to **Table 4** and **Figure 6** for details.

10 DISCUSSION ON FINDINGS AND RECOMMENDATIONS

Cider Environmental has performed a Supplemental Subsurface Investigation on the Subject Property in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. The investigation consisted of subsurface survey and sampling to further define the environmental quality of the Subject Property with respect to the recognized environmental condition outlined in **Section 4** of this document.

10.1 Findings

Based on the survey and analytical results under the scope of this SSI, it is concluded that:

- A 2-foot layer of urban fill material exists throughout the site. Lead (maximum 4,330 mg/Kg) was detected at levels exceeding the RRSCO (400 mg/Kg) within the urban fill layer at multiple locations. This urban fill layer will require excavation and off-site disposal as part of the proposed site redevelopment project.
- Mercury was detected at level (1.26 mg/Kg) exceeding the RRSCO (0.81 mg/Kg) at one (1) location (SB-21 [0'-2']). PCB was detected at level (3,000 ug/Kg) exceeding the RRSCO (1,000 ug/Kg) at one (1) location (SB-2B [5'-7']). The sources of contamination are unclear. Presumably from urban fill material.
- A groundwater elevation survey demonstrated that the groundwater flow direction is toward northwest. The additional groundwater sampling performed during this SSI has sufficiently delineated the extent of the groundwater contamination. It is concluded that the existing groundwater contamination is from the fuel oil UST application on the Subject Property; and that the extent of the existing groundwater contamination is limited within the Site boundary.

10.2 Recommendations

Based on the results of this SSI, CE has the following recommendations:

- It is recommended that the results of the SSI be included into the Brownfield Cleanup Program (BCP) application.

11 STATEMENT OF LIMITATION

The services described in this document were performed in a manner consistent with the agreement with the client and in accordance with generally accepted professional consulting principles and practices.

Opinions and recommendations contained in this document apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames, and project parameters indicated. Cider Environmental cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

It should be recognized that certain limitations are inherent in the evaluation of subsurface conditions, and that certain conditions may not be detected during an investigation of this type. Due to the dynamic use of some clarifiers and uncertainties associated with subsurface conditions, the findings in the document are valid for one year from the date of this report. The samples collected and used for analysis are considered representative of the locations sampled. However, since soil and groundwater conditions may vary significantly between borings, the work presented in this document does not constitute a comprehensive site assessment.

The analysis and conclusions contained in this report are based on the site conditions, as they existed at the time when samples were obtained at the location and depth obtained. The samples do not represent the entire site. Changes in the information or the data obtained or in the proposed land use could result in changes in the conclusions.

Any use or modification of this document by a third party is expressly prohibited without a written, specific authorization from the client and author(s). Such authorization will require a signed waiver and release agreement.

This document is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required by law.

12 STANDARD FIELD OPERATION PROCEDURES

12.1 GPR Procedures

A GPR system typically consists of a control unit, radar antenna, and display unit. The control unit generates a radar pulse and sends it through a cable to the antenna. The antenna transmits the pulse into the surface. When this energy encounters an interface between two materials of differing dielectric properties, such as reinforcing steel, air, moisture, or the base-course material, a portion of the energy is reflected back to the radar antenna. The received pulse is sent back to the control unit for processing/storage. The display unit (video or chart recorder) presents the data. The reflected energy is received by the transducer, amplified, and recorded. The electromagnetic pulse is repeated at a rapid rate and the resultant stream of radar data produces a continuous record of the subsurface. The radar system creates a linear profile of the materials beneath the antenna pass.

A qualified Cider Environmental technician specified a coordinate system on the planimetric surface of the site to map any subsurface dielectric anomalies detected on the premises. The operator used knowledge of the subsurface soil composition to calibrate the SIR-2 system to site-specific conditions. Factor settings such as range, gain, number of gain points, and scans per unit, were modified to yield the most accurate data to describe the subsurface conditions.

Upon finding a dielectric anomaly, a more spatially specific coordinate system was designed over the area to determine its size, shape and orientation. The data collected during the survey was reviewed by the operator and compared against past experience, technical judgment and prior site knowledge to classify the anomalies.

12.2 Hand Auger Procedures

A stainless steel hand auger was utilized to collect surface samples. The auger consists of a three and half (3½) inch diameter bucket, a three (3) foot long extension rod and "T" handle. The auger was manually twisted in the ground to the desired depth allowing the soil to fill the bucket. Once the bucket was full or the desired depth is achieved, the auger was extracted from the ground and the soil sample was removed from the bucket and placed in a sample vessel for transportation to a certified laboratory.

12.3 Subsurface Soil Sampling Procedures

Prior to the installation of soil borings, a stainless steel hand auger was utilized to hand clear from grade to 5 ft BEG. The auger consists of a 2-inch diameter bucket, a 4 ft long extension rod and "T" handle. The auger is manually twisted in the ground to the desired depth allowing the soil to fill the bucket. Once the bucket is full or the desired depth is achieved, the auger is extracted from the ground and the soil

sample is removed from the bucket and placed in a sample vessel for transportation to a certified laboratory.

The soil probes were installed using a hydraulically powered Geoprobe unit. Mechanized, vehicle mounted soil probe systems apply both static force and hydraulically powered percussion hammers for tool placement. Recovery of large sample volumes was facilitated with a probe-driven sampler. The probe-driven sampler consisted of a dual tube sampling system that has an outer tube that remains in the ground while the inner tube is removed along with the non-reactive plastic tube in which the soil sample has been collected. This dual tube sampling system ensures that the soil sample collected is from the selected sampling depth as the probe was advanced. Discrete samples were secured at the desired depths and were contained within a non-reactive plastic sleeve that lined the hollow probe for subsequent inspection and analysis.

Soil samples are collected using a 2 3/8 inch diameter, five (5) foot long probe-driven sampler which is pushed to the desired depth in five (5) foot increments. Each time the probe is pushed a soil sample is collected within a disposal plastic sleeve inserted into the sampler. The plastic is then cut open in order to extract a soil sample for screening and/or analysis.

12.4 Headspace Analysis Procedure

Headspace analysis was performed utilizing a portable Photo Ionization Detection (PID) meter to measure what, if any, hydrocarbon concentrations were present in isolated portions of the secured samples. Headspace analysis was conducted by partially filling a sealable plastic bag with sample aliquot and sealing the top, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the sample headspace, the container was agitated for a period of thirty (30) seconds. The probe of the vapor analyzer was then injected into the headspace to measure the hydrocarbon concentrations present. A MiniRae 3000 Photo Ionization Detection meter was the organic vapor analyzer selected for the headspace analysis.

A PID utilizes the principle of photo ionization for detection and measurement of hydrocarbon compounds. A PID does not respond to all compounds similarly; rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated using isobutylene. Hydrocarbon relative response factors for a PID calibrated using isobutylene are published by the manufacturer.

12.5 Temporary Well Point Sampling Procedure

The groundwater sampling system used was the Geoprobe Screen Point 15, which is designed to accurately collect grab samples of groundwater. The Screen Point 15 uses a screen with a standard slot size of 0.004 inches that is sealed inside a 1.5-inch ID alloy steel sheath as it is driven to depth. The screen is sealed inside the sheath with Neoprene O-rings that prevent infiltration of formation fluids until the desired depth is attained. When the screen has been driven to the depth of interest in the formation, extension rods are used to hold the screen in position as the driving rods are retracted approximately 4 feet. The 4-foot long sampler sheath forms a seal above the screen as it is retracted. A total of 41.5 inches of slotted screen is placed into contact with the formation. The Screen Point 15 groundwater sampler has a total boring diameter of 1.5 inches, the outside diameter of the screen is 1.0 inch. This provides for a maximum of 0.25 inches between the screen and the natural formation as the sampler sheath is retracted. These conditions approach the ideal for natural formation development, which can be conducted when lower turbidity samples are required.

Each groundwater sample was collected from the sampler utilizing 3/8 inch diameter disposable tubing equipped with a bottom check valve. The tubing extended from the surface down to the sampler. The tubing was oscillated until the process had achieved proper development. The groundwater was then containerized into the appropriate sample vessels for subsequent laboratory analysis.

12.6 Monitoring Well Development and Sampling Procedure

A minimum of three (3) well volumes were purged from each monitoring well prior to the collection of groundwater samples. Field measurements were secured from each monitoring well during the development process to provide data regarding physical groundwater characteristics. The development water was field analyzed for pH, specific conductivity and temperature. Results of the field measurements were utilized to establish steady state conditions within the groundwater aquifer. Purging and sample collection was accomplished using a submersible pump with disposable polyethylene tubing and/or a polyethylene disposable bailer. Aqueous samples were placed in laboratory-provided glassware, packed on ice in shipping containers, and submitted under proper chain-of-custody to the analytical laboratory. Equipment used for groundwater sampling consisted of new, disposable materials, or was properly decontaminated between sample locations. Sampling personnel changed nitrile sampling gloves between each sample location to minimize the potential for sample cross-contamination.

13 QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES (QA/QC)

The following sampling QA/QC protocol is in accordance with the United States Environmental Protection Agency's (USEPA) accepted sampling procedures for hazardous waste streams [Municipal Research Laboratory, 1980, Sampling and Analysis Procedures for Hazardous Material Waste Streams, Office of Emergency and Remedial Response, Cincinnati, Ohio. EPA-600/280-018] and American Society of Testing and Material's (ASTM's) Sampling Procedures.

13.1 Sampling Personnel

The activities associated with the survey, sampling and analysis plan were performed by or under the auspices of a USEPA Office of Emergency and Remedial Response, Certified Sampler for Hazardous Materials. The sample staff (samplers) possessed a minimum of a B.A. Degree in the Earth, Space or Biological Sciences or a B.S. Degree in Engineering. Samplers had a minimum of one (1) year experience in environmental/geological field work. Additionally, all samplers received mandatory forty-hour Occupational Safety and Health Administration (OSHA) training on working with potentially hazardous materials and appropriate Hazard Communication Program and "Right-To-Know" training.

13.2 Sampling Equipment

Separate QA/QC measures were implemented for each of the instruments used in the performance of the SAP.

13.2.1 *Geoprobe*

Prior to arrival on the Site and between sample locations, the probes were decontaminated by washing them with a detergent (Alconox) and potable water solution and rinsing them with distilled water.

13.2.2 *Photo Ionization Detector*

Calibration of the PID was conducted prior to sampling using a span gas of known concentration. The PID was a MiniRae 3000, photo ionization detection meter.

13.2.3 *Sample Vessels*

All sample vessels were "level A" certified decontaminated containers supplied by a New York State Certified Commercial Laboratory. Samples analyzed for hydrocarbons were placed in containers with Teflon lined caps. All samples were preserved by cooling them to a temperature of approximately four degrees Celsius.

13.3 Sample Documentation

A sample represents physical evidence. An essential part of liability reduction is the proper control of gathered evidence. To establish proper control, the following sample identification and chain-of custody procedures were followed.

13.3.1 Sample Identification

Sample identification was executed by use of a sample tag, log book and chain-of-custody form. Said documentation provided the following information: 1) the project code; 2) the sample laboratory number; 3) the sample preservation; 4) instrument used for source sample grabs; 5) the composite medium used for source sample grabs; 6) the date the sample was secured from the source media; 7) the time the sample was secured from the source media; and 8) the person who secured the sample from the source media.

13.3.2 Chain-of-Custody Procedures

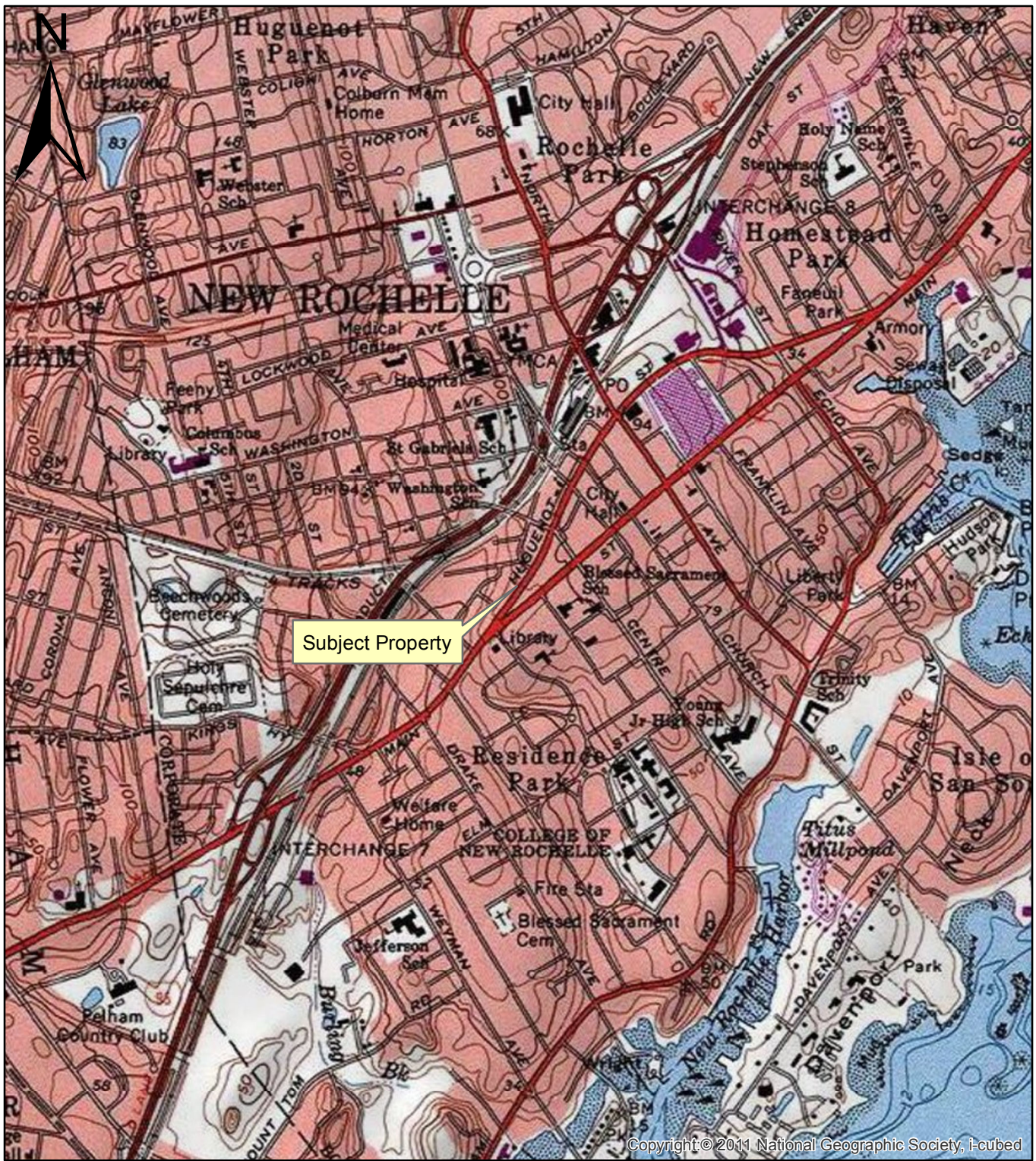
Due to the evidential nature of samples, possession was traceable from the time the samples were collected until they were received by the testing laboratory. A sample was considered under custody if it: was in a person's possession; it was in a person's view, after being in possession; if it was in a person's possession and they locked it up; or, it was in a designated secure area. When transferring custody, the individuals relinquishing and receiving the samples signed, dated and noted the time on the Chain-of-Custody Form.

13.3.3 Laboratory-Custody Procedures

A designated sample custodian accepted custody of the shipped samples and verified that the information on the sample tags matched that on the Chain-of-Custody Records. Pertinent information as to shipment, pick-up, courier, etc., were entered in the "remarks" section. The custodian entered the sample tag data into a bound logbook.

The laboratory custodian used the sample tag number, or assigned a unique laboratory number to each sample tag, and assured that all samples were transferred to the proper analyst or stored in the appropriate source area. The laboratory custodian distributed samples to the appropriate analysts. Laboratory personnel were responsible for the care and custody of samples, from the time they were received, until the sample was exhausted or returned to the sample custodian. All identifying data sheets and laboratory records were retained as part of the permanent documentation. Samples received by the laboratory were retained until after analysis and quality assurance checks were completed.

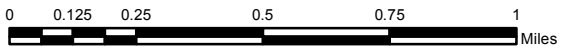
FIGURES



Subject Property

USGS 7.5 Minute Quadrangle Topographic Map (2011)

SCALE: 1:24,000



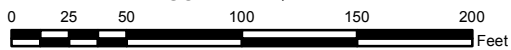
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TITLE	SITE LOCATION MAP		Figure No.
			01
PROJECT	381-393 Huguenot Street New Rochelle, New York		Project No.
			2015-188
	DESIGN	WF	1-18-2016
	CHECK		
	REVIEW		

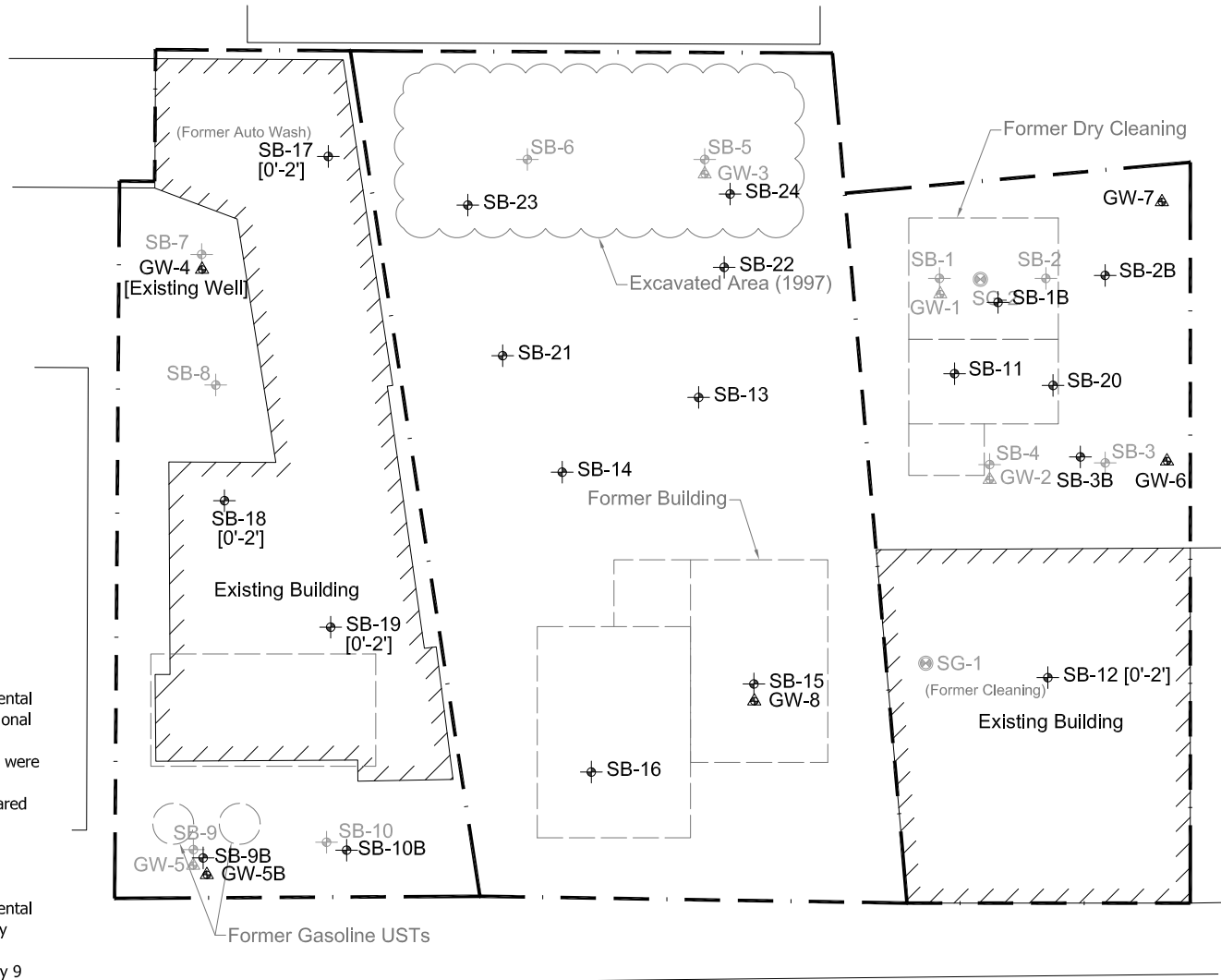


Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

SCALE: 1:1,000



TITLE		SITE LAYOUT MAP		Figure No.
				02
PROJECT		381-393 Huguenot Street New Rochelle, New York		Project No.
				2015-188
	DESIGN	WF	1-18-2016	
	CHECK			
	REVIEW			



Note:

From February 14 to 15, 2017, Cider Environmental supervised the installation of twenty (20) additional soil borings on selected areas of the Subject Property. The soil borings outside the buildings were installed utilizing direct-push techniques via a Geoprobe 6600 unit. All borings were hand cleared and/or air knifed to 5 feet below grade prior to mechanical drilling. The soil borings within the buildings were installed utilizing a core drill.

From February 14 to 15, 2017, Cider Environmental supervised the installation of four (4) temporary groundwater wells on the Subject Property. Groundwater was encountered at approximately 9 feet below ground surface (BGS). The temporary wells were installed to a depth of approximately 15 feet BGS, approximately 5 feet into groundwater. The temporary groundwater wells were installed via a Geoprobe system.

Huguenot Street

Scale in Feet



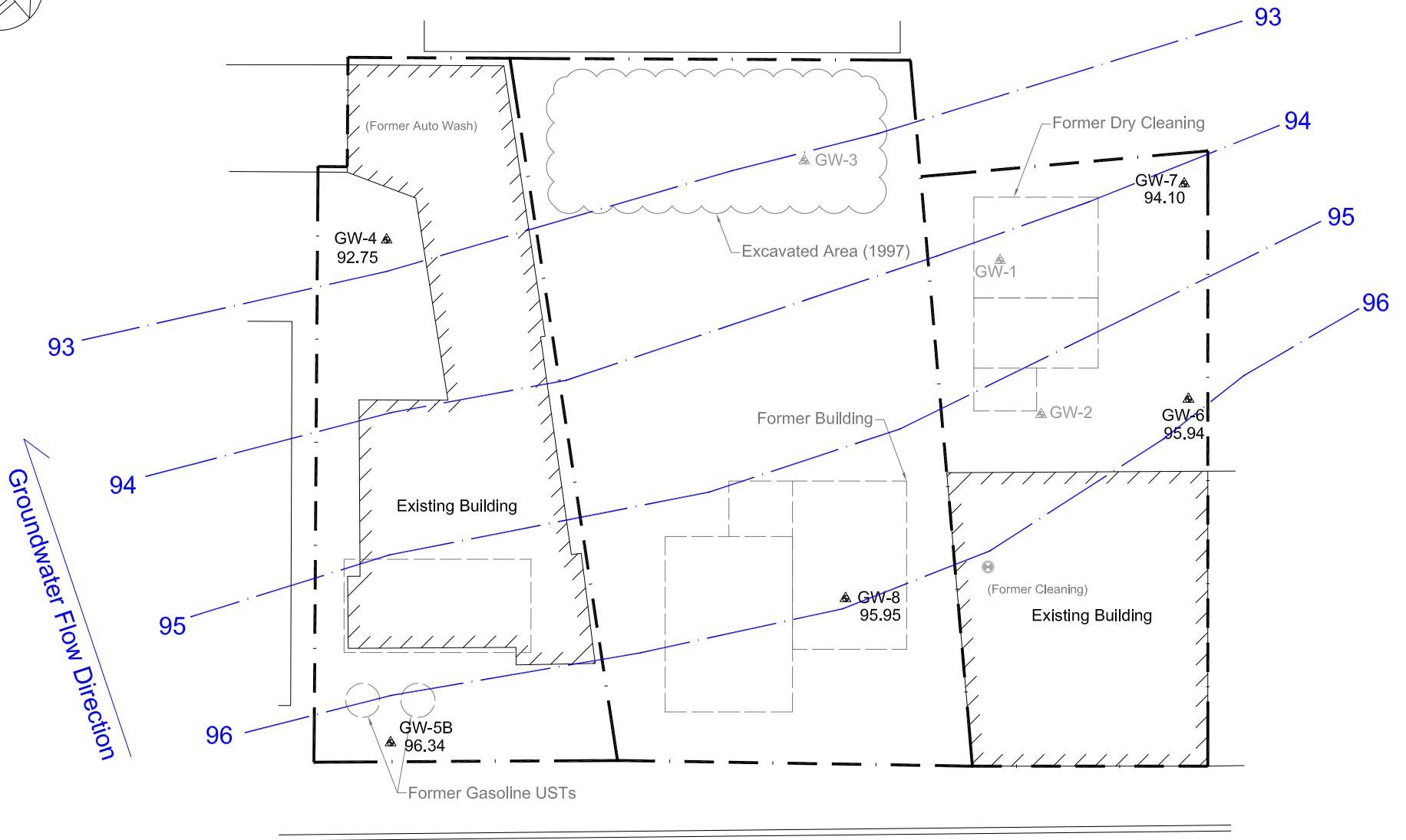
Legend

- Groundwater Temporary Well
- Former Groundwater Temporary Well
- Soil Sampling Point
- Former Soil Sampling Point
- Former Soil Gas Sampling Point

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TITLE: Supplemental Sampling Location Map			
381-393 Huguenot Street, New Rochelle, New York			
DRAWN BY:	WF	REVISED BY:	WF
CHECKED BY:	JC	REVISED DATE:	2-22-2017
DATE:	2-23-2017	APPROVED BY:	
SCALE:	1" = 25'	FILE NAME:	
PROJECT No.		2015-188	
FIGURE No.		03	

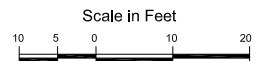




MW ID	Top of Casing (ft)	ROD1 (ft)	ROD2 (ft)	Depth to Water (ft)	GW Elevation (ft)
GW-4	100.00	7.03		7.25	92.75
GW-5B	104.38	2.65	4.38	8.04	96.34
GW-8	104.05	4.71	1.75	8.10	95.95
GW-7	101.64	4.16	4.94	7.54	94.10
GW-6	102.48	4.10		6.54	95.94

- Note:
1. Set arbitrary elevation of 100 feet at top of casing of GW-4
 2. Survey was performed on 2/15/2017 by CE

Huguenot Street



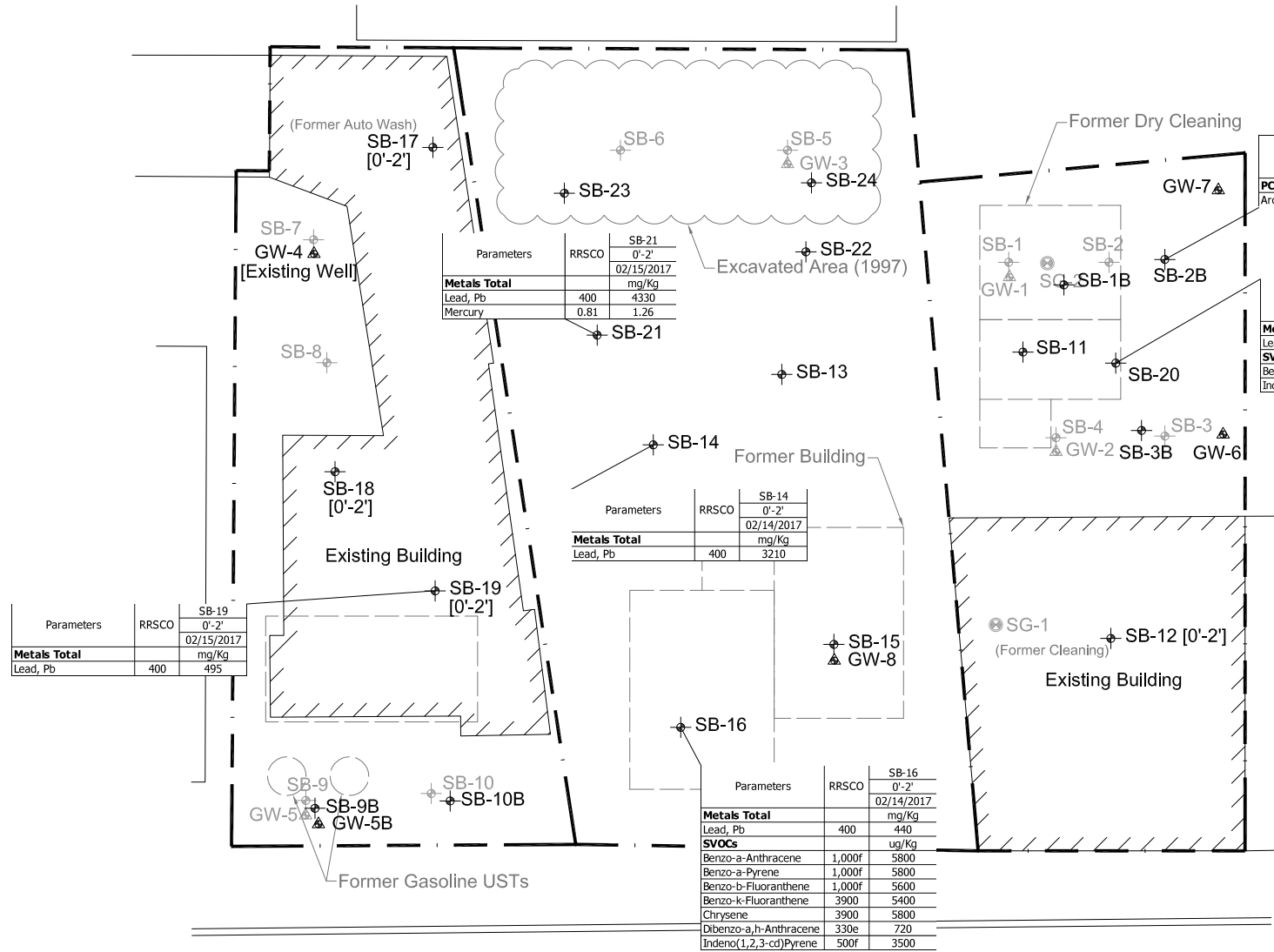
Legend

- ▲ Groundwater Temporary Well
- ▲ Former Groundwater Temporary Well

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TITLE: Groundwater Potentiometric Map			
381-393 Huguenot Street, New Rochelle, New York			
DRAWN BY: WF	REVISED BY:	PROJECT No. 2015-188	
CHECKED BY: JC	REVISED DATE:	FIGURE No. 04	
DATE: 2-23-2017	APPROVED BY:		
SCALE: 1" = 25'	FILE NAME:		





Parameters	RRSCO	SB-2B
		5'-7'
		02/14/2017
PCBs		ug/Kg
Aroclor 1254	1000	3000

Parameters	RRSCO	SB-20
		0'-2'
		02/14/2017
Metals Total		mg/Kg
Lead, Pb	400	1820
SVOCs		ug/Kg
Benzo-a-Pyrene	1,000f	1100
Indeno(1,2,3-cd)Pyrene	500f	870

Huguenot Street

Scale in Feet



Legend

- Groundwater Temporary Well
- Former Groundwater Temporary Well
- Soil Sampling Point
- Former Soil Sampling Point
- Former Soil Gas Sampling Point

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TITLE: Summary of Exceedances- Soil			
381-393 Huguenot Street, New Rochelle, New York			
DRAWN BY:	WF	REVISED BY:	
CHECKED BY:	JC	REVISED DATE:	
DATE:	2-23-2017	APPROVED BY:	
SCALE:	1" = 25'	FILE NAME:	
PROJECT No. 2015-188		FIGURE No. 05	

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Parameters	Units	AWQS	GW-4 3/4/2016
VOCs			
Trichloroethene	ug/L	5	6.3
SVOCs			
Benzo-a-Anthracene	ug/L	0.002	0.1
Benzo-b-Fluoranthene	ug/L	0.002	0.09
Benzo-k-Fluoranthene	ug/L	0.002	0.09
Chrysene	ug/L	0.002	0.1
Indeno(1,2,3-cd)Pyrene	ug/L	0.002	0.05

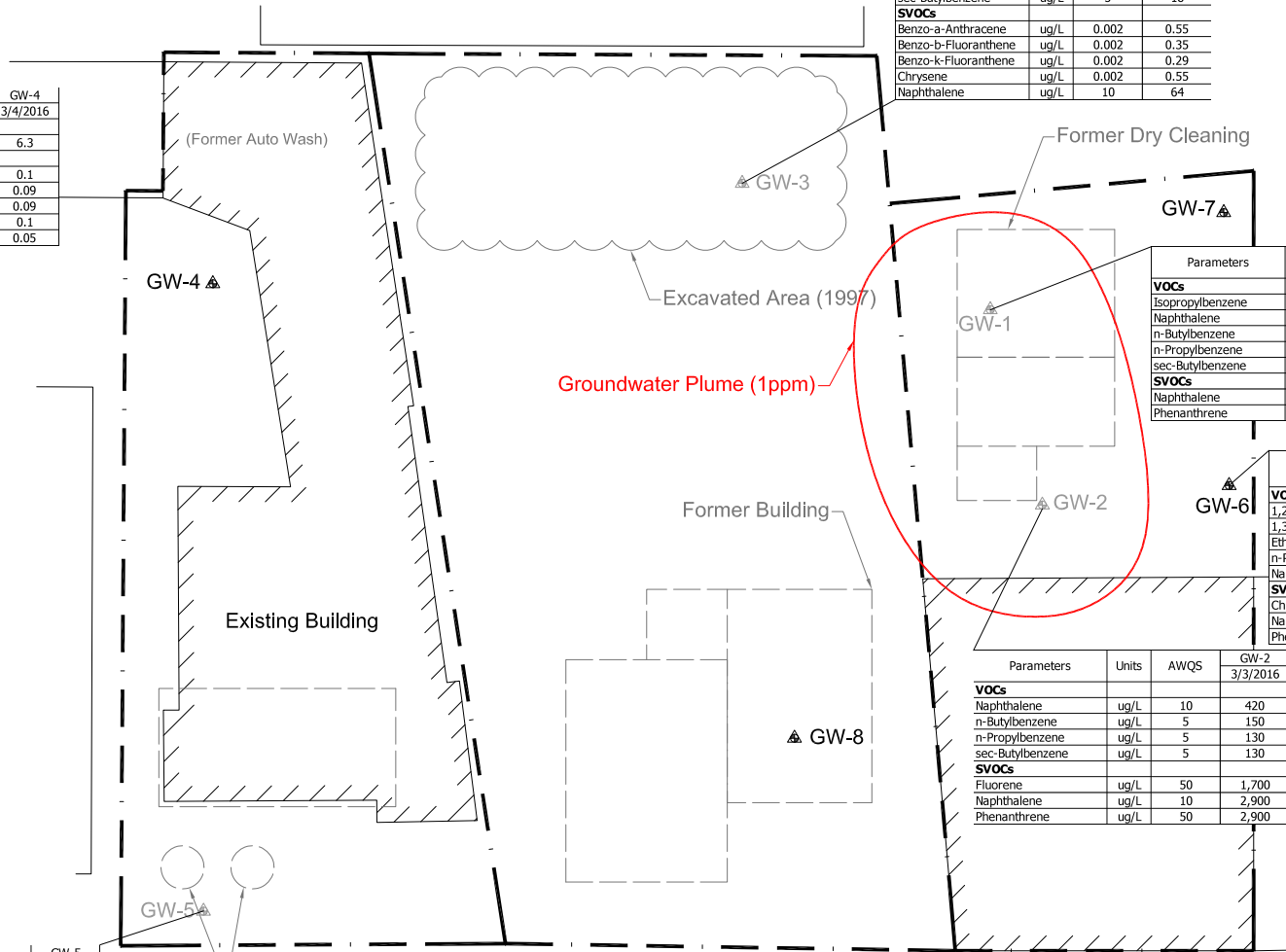
Parameters	Units	AWQS	GW-3 3/3/2016
VOCs			
Isopropylbenzene	ug/L	5	14
Naphthalene	ug/L	10	100
n-Butylbenzene	ug/L	5	16
n-Propylbenzene	ug/L	5	18
sec-Butylbenzene	ug/L	5	18
SVOCs			
Benzo-a-Anthracene	ug/L	0.002	0.55
Benzo-b-Fluoranthene	ug/L	0.002	0.35
Benzo-k-Fluoranthene	ug/L	0.002	0.29
Chrysene	ug/L	0.002	0.55
Naphthalene	ug/L	10	64

Parameters	Units	AWQS	GW-1 3/3/2016
VOCs			
Isopropylbenzene	ug/L	5	190
Naphthalene	ug/L	10	870
n-Butylbenzene	ug/L	5	240
n-Propylbenzene	ug/L	5	400
sec-Butylbenzene	ug/L	5	220
SVOCs			
Naphthalene	ug/L	10	760
Phenanthrene	ug/L	50	340

Parameters	AWQS	GW-6 02/15/2017
VOCs		
1,2,4-Trimethylbenzene	5	20
1,3,5-Trimethylbenzene	5	6
Ethylbenzene	5	5.9
n-Propylbenzene	5	5.9
Naphthalene	10	23
SVOCs		
Chrysene	0.002	0.57
Naphthalene	10	68
Phenanthrene	50	59

Parameters	Units	AWQS	GW-2 3/3/2016
VOCs			
Naphthalene	ug/L	10	420
n-Butylbenzene	ug/L	5	150
n-Propylbenzene	ug/L	5	130
sec-Butylbenzene	ug/L	5	130
SVOCs			
Fluorene	ug/L	50	1,700
Naphthalene	ug/L	10	2,900
Phenanthrene	ug/L	50	2,900

Parameters	Units	AWQS	GW-5 3/4/2016
VOCs			
Ethylbenzene	ug/L	5	22
Isopropylbenzene	ug/L	5	160
n-Butylbenzene	ug/L	5	41
n-Propylbenzene	ug/L	5	170
p-Isopropyltoluene	ug/L	5	48
sec-Butylbenzene	ug/L	5	49
SVOCs			
Chrysene	ug/L	0.002	0.24
Naphthalene	ug/L	10	16



Huguenot Street

Scale in Feet



Legend

- ▲ Groundwater Temporary Well
- ▣ Former Groundwater Temporary Well

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TITLE: Summary of Exceedances- Groundwater			
381-393 Huguenot Street, New Rochelle, New York			
DRAWN BY: WF	REVISED BY:	PROJECT NO. 2015-188	
CHECKED BY: JC	REVISED DATE:	FIGURE NO. 06	
DATE: 2-23-2017	APPROVED BY:		
SCALE: 1" = 25'	FILE NAME:		

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TABLES

Table 1: Selected Samples and Analysis Methods Summary
381-393 Huguenot Street, New Rochelle, New York

Sample ID	Matrix	Depth / Location	Date	USEPA Test Method	Target Analytes
SB-2B	Soil	5'-7'	02/14/2017	8270D / 8082 / 6010 / 8015D	SVOCs, PCBs, TAL Metals, and TPH DRO
SB-9B	Soil	6'-8'	02/14/2017	8270D / 8082 / 6010 / 8015D	SVOCs, PCBs, TAL Metals, and TPH DRO
SB-10B	Soil	6'-8'	02/15/2017	8270D / 8082 / 6010 / 8015D	SVOCs, PCBs, TAL Metals, and TPH DRO
SB-12	Soil	0'-2' /8'-10'	02/15/2017	8270D / 8082 / 6010 / 8015D	SVOCs, PCBs, TAL Metals, and TPH DRO
SB-14	Soil	0'-2'	02/14/2017	8270D / 8082 / 6010	SVOCs, PCBs, and TAL Metals
SB-15	Soil	0'-2'	02/14/2017	8270D / 8082 / 6010	SVOCs, PCBs, and TAL Metals
SB-16	Soil	0'-2'	02/14/2017	8270D / 8082 / 6010	SVOCs, PCBs, and TAL Metals
SB-17	Soil	0'-2'	02/15/2017	8270D / 8082 / 6010	SVOCs, PCBs, and TAL Metals
SB-18	Soil	0'-2'	02/15/2017	8270D / 8082 / 6010	SVOCs, PCBs, and TAL Metals
SB-19	Soil	0'-2'	02/15/2017	8270D / 8082 / 6010	SVOCs, PCBs, and TAL Metals
SB-20	Soil	0'-2'	02/14/2017	8270D / 8082 / 6010 / 8015D	SVOCs, PCBs, TAL Metals, and TPH DRO
SB-21	Soil	0'-2'	02/15/2017	8270D / 8082 / 6010	SVOCs, PCBs, and TAL Metals
GW-6	Groundwater	10'	02/15/2017	8260 / 8270 CP-51	VOCs and petroleum related SVOCs
GW-7	Groundwater	10'	02/15/2017	8260 / 8270 CP-51	VOCs and petroleum related SVOCs
GW-8	Groundwater	10'	02/15/2017	8260 / 8270 CP-51	VOCs and petroleum related SVOCs

Table 2: Groundwater Elevation Survey Results
381-393 Huguenot Street, New Rochelle, New York

MW ID	Top of Casing	ROD1	ROD2	Depth to Water	GW Elevation
	(ft)	(ft)	(ft)	(ft)	(ft)
GW-4	100.00	7.03		7.25	92.75
GW-5B	104.38	2.65	4.38	8.04	96.34
GW-8	104.05	4.71	1.75	8.10	95.95
GW-7	101.64	4.16	4.94	7.54	94.10
GW-6	102.48	4.10		6.54	95.94

Note:

1. Set arbitrary elevation of 100 feet at top of casing of GW-4
2. Survey was performed on 2/15/2017 by CE

Table 3: Laboratory Analysis Results- Soil
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-2B	SB-9B	SB-10B	SB-12	SB-14	SB-15
	Sampling Depth				5'-7'	6'-8'	6'-8'	0'-2' /8'-10'	0'-2'	0'-2'
	Sample Date				02/14/2017	02/14/2017	02/15/2017	02/15/2017	02/14/2017	02/14/2017
	CAS				Result	Result	Result	Result	Result	Result
Metals Total										
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	5240	22900	10600	29400	9680	11000
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	< 3.4	< 3.5	< 3.8	< 3.9	24.7	< 3.4
Arsenic, As	7440-38-2	mg/Kg	13c	16f	4.22	0.79	1.64	< 0.78	7.06	3.19
Barium, Ba	7440-39-3	mg/Kg	350c	400	71.3	223	77.7	376	301	124
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	0.3	0.43	< 0.31	0.48	0.35	0.34
Cadmium, Cd	7440-43-9	mg/Kg	2.5c	4.3	0.91	< 0.35	< 0.38	< 0.39	1.24	0.62
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	33700	1620	1250	3130	13600	7060
Chromium, Cr	7440-47-3	mg/Kg	NA	110	15.6	75.6	29.5	91.6	24.9	26.5
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	7.73	22.4	9.49	26.9	10	9.69
Copper, Cu	7440-50-8	mg/kg	50	270	109	55	17.4	21.7	120	52.6
Iron, Fe	7439-89-6	mg/Kg	NA	NA	15300	40100	17300	47900	18800	18700
Lead, Pb	7439-92-1	mg/Kg	63c	400	95.9	1.47	2.78	0.61	3210	250
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	19600	10600	3340	16000	5660	3830
Manganese, Mn	7439-96-5	mg/Kg	1,600c	2,000f	163	829	426	798	443	576
Mercury, Hg	7439-97-6	mg/Kg	.18c	.81j	0.25	< 0.03	< 0.03	< 0.03	0.74	0.3
Nickel, Ni	7440-02-0	mg/Kg	30	310	22.4	58.3	40.8	57.6	24.7	28.8
Potassium, K	7440-09-7	mg/Kg	NA	NA	1200	14900	3450	21000	3190	2490
Selenium, Se	7782-49-2	mg/Kg	3.9c	180	< 1.4	< 1.4	< 1.5	< 1.6	< 1.6	< 1.4
Silver, Ag	7440-22-4	mg/Kg	2	180	< 0.34	< 0.35	< 0.38	< 0.39	< 0.41	< 0.34
Sodium, Na	7440-23-5	mg/Kg	NA	NA	417	465	182	278	210	228
Thallium, Tl	7440-28-0	mg/Kg	NA	NA	< 3.0	< 3.2	< 3.5	< 3.5	< 3.7	< 3.1
Vanadium, V	7440-62-2	mg/Kg	NA	NA	31.3	58.3	27.6	82.6	28.2	31.4
Zinc, Zn	7440-66-6	mg/Kg	109c	10,000d	171	81.7	29.6	94.8	235	112
Polychlorinated Biphenyls - SW8082A										
Aroclor 1016	12674-11-2	ug/Kg	100	1,000	< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1221	11104-28-2	ug/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1232	11141-16-5	ug/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1242	53469-21-9	ug/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1248	12672-29-6	ug/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1254	11097-69-1	ug/Kg			3000	< 77	< 73	< 75	< 78	< 74
Aroclor 1260	11096-82-5	ug/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1262	37324-23-5	ug/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1268	11100-14-4	ug/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Semivolatiles - SW8270D										
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/Kg			< 530	< 270	< 260	< 270	< 270	< 260
1,2,4-Trichlorobenzene	120-82-1	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
1,2-Dichlorobenzene	95-50-1	ug/Kg	1100	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
1,2-Diphenylhydrazine	122-66-7	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
1,3-Dichlorobenzene	541-73-1	ug/Kg	2400	49000	< 530	< 270	< 260	< 270	< 270	< 260
1,4-Dichlorobenzene	106-46-7	ug/Kg	1800	13000	< 530	< 270	< 260	< 270	< 270	< 260
2,4,5-Trichlorophenol	95-95-4	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2,4,6-Trichlorophenol	88-06-2	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260

Table 3: Laboratory Analysis Results- Soil
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-2B	SB-9B	SB-10B	SB-12	SB-14	SB-15
	Sampling Depth				5'-7'	6'-8'	6'-8'	0'-2' / 8'-10'	0'-2'	0'-2'
	Sample Date				02/14/2017	02/14/2017	02/15/2017	02/15/2017	02/14/2017	02/14/2017
	CAS				Result	Result	Result	Result	Result	Result
2,4-Dichlorophenol	120-83-2	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2,4-Dimethylphenol	105-67-9	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2,4-Dinitrophenol	51-28-5	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
2,4-Dinitrotoluene	121-14-2	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2,6-Dinitrotoluene	606-20-2	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2-Chloronaphthalene	91-58-7	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2-Chlorophenol	95-57-8	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2-Methylnaphthalene	91-57-6	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2-Methylphenol	95-48-7	ug/Kg	330b	100,000a	< 350	< 270	< 260	< 270	< 270	< 260
2-Nitroaniline	88-74-4	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
2-Nitrophenol	88-75-5	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
3+4 Methylphenol	NA	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
3,3-Dichlorobenzidine	91-94-1	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
3-Nitroaniline	99-09-2	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
4-Bromophenyl-phenyl ether	101-55-3	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
4-Chloro-3-methylphenol	59-50-7	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
4-Chloroaniline	106-47-8	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
4-Nitroaniline	100-01-6	ug/Kg	NA	NA	< 1200	< 620	< 600	< 610	< 620	< 590
4-Nitrophenol	100-02-7	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Acenaphthene	83-32-9	ug/Kg	20000	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Acenaphthylene	208-96-8	ug/Kg	100,000a	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Acetophenone	98-86-2	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Aniline	62-53-3	ug/Kg	NA	100000	< 760	< 390	< 370	< 380	< 390	< 370
Anthracene	120-12-7	ug/Kg	100,000a	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Benzo-a-Anthracene	56-55-3	ug/Kg	1,000c	1,000f	< 530	< 270	< 260	< 270	< 270	< 260
Benzidine	92-87-5	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Benzo-a-Pyrene	50-32-8	ug/Kg	1,000c	1,000f	< 530	< 270	< 260	< 270	330	270
Benzo-b-Fluoranthene	205-99-2	ug/Kg	1,000c	1,000f	< 530	< 270	< 260	< 270	370	< 260
Benzo-g,h,i-Perylene	191-24-2	ug/Kg	100000	100,000a	< 530	< 270	< 260	270	< 270	< 260
Benzo-k-Fluoranthene	207-08-9	ug/Kg	800c	3900	< 530	< 270	< 260	< 270	350	270
Benzoic Acid	65-85-0	ug/Kg	NA	NA	< 1500	< 780	< 750	< 760	< 770	< 730
Butylbenzylphthalate	85-68-7	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Bis(2-Chloroethoxy)methane	111-91-1	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Bis(2-Chloroethyl)ether	111-44-4	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
Bis(2-Chloroisopropyl)ether	39638-32-9	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Bis(2-Ethylhexyl)Phthalate	117-81-7	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Carbazole	86-74-8	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
Chrysene	218-01-9	ug/Kg	1,000c	3900	< 530	< 270	< 260	< 270	330	270
Di-n-Butyl Phthalate	84-74-2	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Di-n-Octyl Phthalate	117-84-0	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Dibenzo-a,h-Anthracene	53-70-3	ug/Kg	330b	330e	< 330	< 270	< 260	< 270	< 270	< 260
Dibenzofuran	132-64-9	ug/Kg	7000	59000	< 530	< 270	< 260	< 270	< 270	< 260
Diethyl Phthalate	84-66-2	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260

Table 3: Laboratory Analysis Results- Soil
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-2B	SB-9B	SB-10B	SB-12	SB-14	SB-15
	Sampling Depth				5'-7'	6'-8'	6'-8'	0'-2' / 8'-10'	0'-2'	0'-2'
	Sample Date				02/14/2017	02/14/2017	02/15/2017	02/15/2017	02/14/2017	02/14/2017
	CAS				Result	Result	Result	Result	Result	Result
Dimethyl Phthalate	131-11-3	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Fluoranthene	206-44-0	ug/Kg	100000	100,000a	< 530	< 270	< 260	< 270	450	380
Fluorene	86-73-7	ug/Kg	30000	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Hexachlorobenzene	118-74-1	ug/Kg	330	1200	< 530	< 270	< 260	< 270	< 270	< 260
Hexachlorobutadiene	87-68-3	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Hexachlorocyclopentadiene	77-47-4	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Hexachloroethane	67-72-1	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Indeno(1,2,3-cd)Pyrene	193-39-5	ug/Kg	500c	500f	< 500	< 270	< 260	350	< 270	< 260
Isophorone	78-59-1	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
N-Nitroso-di-n-Propylamine	621-64-7	ug/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
N-Nitrosodimethylamine	62-75-9	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
N-Nitrosodiphenylamine	86-30-6	ug/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
Naphthalene	91-20-3	ug/Kg	12000	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Nitrobenzene	98-95-3	ug/Kg	NA	15000	< 530	< 270	< 260	< 270	< 270	< 260
Pentachloronitrobenzene	82-68-8	ug/Kg			< 760	< 390	< 370	< 380	< 390	< 370
Pentachlorophenol	87-86-5	ug/Kg	800b	6700	< 760	< 390	< 370	< 380	< 390	< 370
Phenanthrene	85-01-8	ug/Kg	100000	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Phenol	108-95-2	ug/Kg	330b	100,000a	< 330	< 270	< 260	< 270	< 270	< 260
Pyrene	129-00-0	ug/Kg	100000	100,000a	< 530	< 270	< 260	< 270	440	370
Pyridine	110-86-1	ug/Kg			< 760	< 390	< 370	< 380	< 390	< 370
TPH DRO (C10-C28) - SW8015D DRO										
Diesel Range Organics (C10-C28)	PHNX - DRO	mg/Kg			< 280	< 59	< 54	< 57		

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Reporting Limit (RL) above either the UUSCO or RRSCO

Table 3: Laboratory Analysis Results- Soil
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-16	SB-17	SB-18	SB-19	SB-20	SB-21
	Sampling Depth				0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'
	Sample Date				02/14/2017	02/15/2017	02/15/2017	02/15/2017	02/14/2017	02/15/2017
	CAS				Result	Result	Result	Result	Result	Result
Metals Total										
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	12700	14900	15800	13900	8030	9940
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	< 4.3	< 3.8	< 3.9	< 3.7	< 3.6	24.8
Arsenic, As	7440-38-2	mg/Kg	13c	16f	6.57	3.94	5.3	4.45	3.22	11.7
Barium, Ba	7440-39-3	mg/Kg	350c	400	211	58.4	75	142	238	334
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	0.44	0.54	0.39	0.45	< 0.29	0.46
Cadmium, Cd	7440-43-9	mg/Kg	2.5c	4.3	0.72	< 0.38	0.42	< 0.37	1.11	1.36
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	19800	3020	5230	3170	23100	20000
Chromium, Cr	7440-47-3	mg/Kg	NA	110	30.5	43.2	30.1	37.7	25	29.3
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	11.2	11.4	10.7	11.5	11.5	9.39
Copper, Cu	7440-50-8	mg/kg	50	270	86.3	27.5	39.4	26.8	212	187
Iron, Fe	7439-89-6	mg/Kg	NA	NA	21500	24400	23800	20900	19300	20800
Lead, Pb	7439-92-1	mg/Kg	63c	400	440	8.96	147	495	1820	4330
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	9810	4370	4860	3950	10200	7030
Manganese, Mn	7439-96-5	mg/Kg	1,600c	2,000f	433	651	472	584	365	389
Mercury, Hg	7439-97-6	mg/Kg	.18c	.81j	0.37	< 0.03	0.15	0.32	0.27	1.26
Nickel, Ni	7440-02-0	mg/Kg	30	310	30.4	39	30.3	42.4	50.6	23.8
Potassium, K	7440-09-7	mg/Kg	NA	NA	2610	1890	1540	2310	2090	2010
Selenium, Se	7782-49-2	mg/Kg	3.9c	180	< 1.7	< 1.5	< 1.6	2.8	< 1.4	< 1.5
Silver, Ag	7440-22-4	mg/Kg	2	180	< 0.43	< 0.38	< 0.39	< 0.37	< 0.36	3.96
Sodium, Na	7440-23-5	mg/Kg	NA	NA	341	78.7	164	143	156	186
Thallium, Tl	7440-28-0	mg/Kg	NA	NA	< 3.9	< 3.4	< 3.5	< 3.4	< 3.2	< 3.4
Vanadium, V	7440-62-2	mg/Kg	NA	NA	35	35.3	34.9	31.7	22.5	30.4
Zinc, Zn	7440-66-6	mg/Kg	109c	10,000d	246	38.5	126	105	641	583
Polychlorinated Biphenyls - SW8082A										
Aroclor 1016	12674-11-2	ug/Kg	100	1,000	< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1221	11104-28-2	ug/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1232	11141-16-5	ug/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1242	53469-21-9	ug/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1248	12672-29-6	ug/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1254	11097-69-1	ug/Kg			< 92	< 77	< 77	< 75	490	< 80
Aroclor 1260	11096-82-5	ug/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1262	37324-23-5	ug/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1268	11100-14-4	ug/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Semivolatiles - SW8270D										
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/Kg			< 320	< 270	< 270	< 260	< 260	< 270
1,2,4-Trichlorobenzene	120-82-1	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
1,2-Dichlorobenzene	95-50-1	ug/Kg	1100	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
1,2-Diphenylhydrazine	122-66-7	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
1,3-Dichlorobenzene	541-73-1	ug/Kg	2400	49000	< 320	< 270	< 270	< 260	< 260	< 270
1,4-Dichlorobenzene	106-46-7	ug/Kg	1800	13000	< 320	< 270	< 270	< 260	< 260	< 270
2,4,5-Trichlorophenol	95-95-4	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2,4,6-Trichlorophenol	88-06-2	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270

Table 3: Laboratory Analysis Results- Soil
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-16	SB-17	SB-18	SB-19	SB-20	SB-21
	Sampling Depth				0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'
	Sample Date				02/14/2017	02/15/2017	02/15/2017	02/15/2017	02/14/2017	02/15/2017
	CAS				Result	Result	Result	Result	Result	Result
2,4-Dichlorophenol	120-83-2	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2,4-Dimethylphenol	105-67-9	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2,4-Dinitrophenol	51-28-5	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
2,4-Dinitrotoluene	121-14-2	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2,6-Dinitrotoluene	606-20-2	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2-Chloronaphthalene	91-58-7	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2-Chlorophenol	95-57-8	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2-Methylnaphthalene	91-57-6	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2-Methylphenol	95-48-7	ug/Kg	330b	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
2-Nitroaniline	88-74-4	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
2-Nitrophenol	88-75-5	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
3+4 Methylphenol	NA	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
3,3-Dichlorobenzidine	91-94-1	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
3-Nitroaniline	99-09-2	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
4-Bromophenyl-phenyl ether	101-55-3	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
4-Chloro-3-methylphenol	59-50-7	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
4-Chloroaniline	106-47-8	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
4-Nitroaniline	100-01-6	ug/Kg	NA	NA	< 730	< 610	< 630	< 600	< 590	< 630
4-Nitrophenol	100-02-7	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Acenaphthene	83-32-9	ug/Kg	20000	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Acenaphthylene	208-96-8	ug/Kg	100,000a	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Acetophenone	98-86-2	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Aniline	62-53-3	ug/Kg	NA	100000	< 460	< 380	< 390	< 380	< 370	< 390
Anthracene	120-12-7	ug/Kg	100,000a	100,000a	1000	< 270	< 270	< 260	< 260	< 270
Benzo-a-Anthracene	56-55-3	ug/Kg	1,000c	1,000f	5800	< 270	< 270	< 260	790	390
Benzidine	92-87-5	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Benzo-a-Pyrene	50-32-8	ug/Kg	1,000c	1,000f	5800	< 270	< 270	< 260	1100	420
Benzo-b-Fluoranthene	205-99-2	ug/Kg	1,000c	1,000f	5600	< 270	< 270	< 260	960	410
Benzo-g,h,i-Perylene	191-24-2	ug/Kg	100000	100,000a	2800	< 270	< 270	< 260	670	450
Benzo-k-Fluoranthene	207-08-9	ug/Kg	800c	3900	5400	< 270	< 270	< 260	920	390
Benzoic Acid	65-85-0	ug/Kg	NA	NA	< 910	< 760	< 780	< 750	< 730	< 780
Butylbenzylphthalate	85-68-7	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Bis(2-Chloroethoxy)methane	111-91-1	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Bis(2-Chloroethyl)ether	111-44-4	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
Bis(2-Chloroisopropyl)ether	39638-32-9	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Bis(2-Ethylhexyl)Phthalate	117-81-7	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	990	< 270
Carbazole	86-74-8	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
Chrysene	218-01-9	ug/Kg	1,000c	3900	5800	< 270	< 270	< 260	800	460
Di-n-Butyl Phthalate	84-74-2	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Di-n-Octyl Phthalate	117-84-0	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Dibenzo-a,h-Anthracene	53-70-3	ug/Kg	330b	330e	720	< 270	< 270	< 260	< 260	< 270
Dibenzofuran	132-64-9	ug/Kg	7000	59000	< 320	< 270	< 270	< 260	< 260	< 270
Diethyl Phthalate	84-66-2	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270

Table 3: Laboratory Analysis Results- Soil
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-16	SB-17	SB-18	SB-19	SB-20	SB-21
	Sampling Depth				0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'
	Sample Date				02/14/2017	02/15/2017	02/15/2017	02/15/2017	02/14/2017	02/15/2017
	CAS				Result	Result	Result	Result	Result	Result
Dimethyl Phthalate	131-11-3	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Fluoranthene	206-44-0	ug/Kg	100000	100,000a	9800	< 270	< 270	< 260	1600	720
Fluorene	86-73-7	ug/Kg	30000	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Hexachlorobenzene	118-74-1	ug/Kg	330	1200	< 320	< 270	< 270	< 260	< 260	< 270
Hexachlorobutadiene	87-68-3	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Hexachlorocyclopentadiene	77-47-4	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Hexachloroethane	67-72-1	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Indeno(1,2,3-cd)Pyrene	193-39-5	ug/Kg	500c	500f	3500	< 270	< 270	< 260	870	460
Isophorone	78-59-1	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
N-Nitroso-di-n-Propylamine	621-64-7	ug/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
N-Nitrosodimethylamine	62-75-9	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
N-Nitrosodiphenylamine	86-30-6	ug/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
Naphthalene	91-20-3	ug/Kg	12000	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Nitrobenzene	98-95-3	ug/Kg	NA	15000	< 320	< 270	< 270	< 260	< 260	< 270
Pentachloronitrobenzene	82-68-8	ug/Kg			< 460	< 380	< 390	< 380	< 370	< 390
Pentachlorophenol	87-86-5	ug/Kg	800b	6700	< 460	< 380	< 390	< 380	< 370	< 390
Phenanthrene	85-01-8	ug/Kg	100000	100,000a	4000	< 270	< 270	< 260	1200	< 270
Phenol	108-95-2	ug/Kg	330b	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Pyrene	129-00-0	ug/Kg	100000	100,000a	8800	< 270	< 270	< 260	1400	690
Pyridine	110-86-1	ug/Kg			< 460	< 380	< 390	< 380	< 370	< 390
TPH DRO (C10-C28) - SW8015D DRO										
Diesel Range Organics (C10-C28)	PHNX - DRO	mg/Kg							110	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Reporting Limit (RL) above either the UUSCO or RRSCO

Table 4: Laboratory Analysis Result- Groundwater
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values	GW-6	GW-7	GW-8
	Sample Date			02/15/2017	02/15/2017	02/15/2017
	CAS			Result	Result	Result
Volatiles- Stars/CP-51 - SW8260C						
1,2,4-Trimethylbenzene	95-63-6	ug/L	5	20	< 1.0	< 1.0
1,3,5-Trimethylbenzene	108-67-8	ug/L	5	6	< 1.0	< 1.0
Benzene	71-43-2	ug/L	1	< 0.70	< 0.70	< 0.70
Ethylbenzene	100-41-4	ug/L	5	5.9	< 1.0	3.7
Isopropylbenzene	98-82-8	ug/L	5	3.8	< 1.0	3.5
m&p-Xylene	179601-23-1	ug/L	NA	5.6	< 2.0	< 2.0
Methyl Tert-Butyl Ether	1634-04-4	ug/L	10	< 1.0	< 1.0	< 1.0
n-Butylbenzene	104-51-8	ug/L	5	1.5	< 1.0	< 1.0
n-Propylbenzene	103-65-1	ug/L	5	5.9	< 1.0	2.7
Naphthalene	91-20-3	ug/L	10	23	< 1.0	1.7
o-Xylene	95-47-6	ug/L	NA	< 2.0	< 2.0	< 2.0
p-Isopropyltoluene	99-87-6	ug/L	5	1.1	< 1.0	< 1.0
sec-Butylbenzene	135-98-8	ug/L	5	2.7	< 1.0	< 1.0
tert-Butylbenzene	98-06-6	ug/L	NA	< 1.0	< 1.0	< 1.0
Toluene	108-88-3	ug/L	5	< 1.0	< 1.0	< 1.0
Total Xylenes	1330-20-7	ug/L	15	5.6	< 2.0	< 2.0
Semivolatiles by SIM - SW8270D (SIM)						
2-Methylnaphthalene	91-57-6	ug/L	NA	220	0.57	1.2
Acenaphthene	83-32-9	ug/L	20	20	< 0.10	< 0.10
Acenaphthylene	208-96-8	ug/L	NA	7.4	< 0.10	< 0.10
Anthracene	120-12-7	ug/L	50	7	< 0.10	< 0.10
Benzo-a-Anthracene	56-55-3	ug/L	0.002	< 0.42	< 0.02	< 0.02
Benzo-a-Pyrene	50-32-8	ug/L	MDL	< 0.42	< 0.02	< 0.02
Benzo-b-Fluoranthene	205-99-2	ug/L	0.002	< 0.42	< 0.02	< 0.02
Benzo-g,h,i-Perylene	191-24-2	ug/L	NA	< 2.1	< 0.10	< 0.10
Benzo-k-Fluoranthene	207-08-9	ug/L	0.002	< 0.42	< 0.02	< 0.02
Chrysene	218-01-9	ug/L	0.002	0.57	< 0.02	< 0.02
Dibenzo-a,h-Anthracene	53-70-3	ug/L	NA	< 0.21	< 0.01	< 0.01
Fluoranthene	206-44-0	ug/L	50	< 2.1	< 0.10	< 0.10
Fluorene	86-73-7	ug/L	50	27	0.1	< 0.10
Indeno(1,2,3-cd)Pyrene	193-39-5	ug/L	0.002	< 0.42	< 0.02	< 0.02
Naphthalene	91-20-3	ug/L	10	68	< 0.10	0.65
Phenanthrene	85-01-8	ug/L	50	59	0.11	< 0.07
Pyrene	129-00-0	ug/L	50	3.8	< 0.10	< 0.10

Notes:

mg/L: miligram per liter (ppm)

ug/L: microgram per liter (ppb)

Analyte detected


Reporting Limit (RL) above TOGS 1.1.1 Ambient Water Quality Standard in unfiltered sample

Concentration above TOGS 1.1.1 Ambient Water Quality Standard in filtered sample

APPENDIX A

Field Logs


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-1B	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/14/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	60%	Urbanfill	No odor or staining
2	157.8		Medium Moist		Urbanfill	Petroleum Odor
3					End of Boring @ 2'	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Site Location:		381-393 Huguenot St. New Rochelle, NY		Boring No.:	SB-2B	
Project #:		2015-188		Logged By:	SZ	
Client:		Chechile Realty and 381-383 Huguenot LLC		Checked By:	WF	
Installer:		CE		Comments:		
Method:		Geoprobe				
Date:		2/14/2017				

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	60%	Urban fill	No odor or staining
2	0		Medium Moist		Weathered Bedrock	No odor or staining
3	0		Medium Moist		Weathered Bedrock	No odor or staining
4	0		Medium Moist		Weathered Bedrock	No odor or staining
5	0		Medium Moist		Weathered Bedrock	No odor or staining
6	30.3		Medium Moist	90%	Weathered Bedrock	No odor or staining
7	30.3		Medium Moist		Weathered Bedrock	No odor or staining
8	0		Wet		Old Concrete	No odor or staining
9	0		Medium Moist		Weathered Bedrock	No odor or staining
10	2		Medium Moist			
11	0		Medium Moist			No odor or staining
12	0		Medium Moist		Refusal @ 12'	No odor or staining
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						


TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-3B	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/14/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	60%	Brown Medium Sand with some weathered bedrock	No odor or staining
2	0		Medium Moist			No odor or staining
3	0		Medium Moist			No odor or staining
4	0		Medium Moist			No odor or staining
5	0		Medium Moist			No odor or staining
6	35		Medium Moist	90%	Dark Medium Sand with some weathered bedrock	Petroleum Odor
7	35		Medium Moist			Petroleum Odor
8	9.2		Wet			Petroleum Odor
9	9.2		Wet			Petroleum Odor
10	9.2		Wet			Petroleum Odor
11					End of Boring @ 10'	
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-9B	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:	<i>on the west portion of in the front of the office</i>	
Method:	Geoprobe	Date:	2/114/2017	

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks		
1	0		Medium Moist	50%	Brown Clay	No odor or staining		
2	0		Medium Moist			No odor or staining		
3	0		Medium Moist			No odor or staining		
4	316.6		Medium Moist	60%	Dark Clay	Petroleum Odor		
5	316.6		Medium Moist			Petroleum Odor		
6	369.1		Medium Moist			60%	Dark Fine Sand with some weathered bedrock	Petroleum Odor
7	369.1		Medium Moist					Petroleum Odor
8	370.8		Medium Moist					Petroleum Odor
9	370.8		Wet	Petroleum Odor				
10	370.8		Wet	60%	Dark weathered bedrock	Petroleum Odor		
11	400.3		Wet			Petroleum Odor		
12	35.1		Wet					
13	0		Medium Moist					
14	0		Medium Moist					
15	0		Medium Moist					
16	0		Medium Moist		Refusal @ 17'			
17	0		Medium Moist					
18								
19								
20								
21								
22								
23								
24								
25								


TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%


AND = 36 - 50 %

SOIL BORING LOG

Site Location:		381-393 Huguenot St. New Rochelle, NY		Boring No.:	SB-10B		
Project #:		2015-188		Logged By:	SZ		
Client:		Chechile Realty and 381-383 Huguenot LLC		Checked By:	WF		
Installer:		CE		Comments: <i>on the east portion in the front of the office</i>			
Method:		Geoprobe					
Date:		2/15/2017					
depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks	
1	0		Medium Moist	50%	Brown Fine to Medimum Sand	No odor or staining	
2	0		Medium Moist			No odor or staining	
3	0		Medium Moist			No odor or staining	
4	0		Medium Moist			Brown Medimum Sand with siome weathered bedrock	No odor or staining
5	0		Medium Moist				No odor or staining
6	8.8		Medium Moist	90%	Dark Weathered Bedrock	No odor or staining	
7	8.8		Medium Moist			No odor or staining	
8	8.8		Medium Moist			Petroleum Odor	
9	238.9		Wet			Petroleum Odor	
10	238.9		Wet			Petroleum Odor	
11					End of Boring @ 10'		
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-11	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/14/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	60%	Urban fill	No odor or staining
2	0		Medium Moist		Weathered Bedrock	No odor or staining
3	0		Medium Moist		Weathered Bedrock	No odor or staining
4	0		Medium Moist		Weathered Bedrock	No odor or staining
5					Refusal @ 4"	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						


TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Site Location:		381-393 Huguenot St. New Rochelle, NY		Boring No.:	SB-12	
Project #:		2015-188		Logged By:	SZ	
Client:		Chechile Realty and 381-383 Huguenot LLC		Checked By:	WF	
Installer:		CE		Comments:		
Method:		Handauger				
Date:		2/15/2017				
depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	80%	6" concrete on the top. Weathered bedrock underneath	No odor or staining
2	0		Medium Moist			End of Boring @ 2'
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-13	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/14/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	100%	Urban fill Brown Medium Sand with some Weathered Bedrock	No odor staining
2	0		Medium Moist			No odor staining
3	0		Medium Moist			No odor staining
4	0		Medium Moist			No odor staining
5	0		Medium Moist			No odor staining
6	0.4		Medium Moist	90%	Brown Medium Sand with some Weathered Bedrock	No odor staining
7	0.4		Medium Moist			No odor staining
8	0.4		Medium Moist			No odor staining
9	5.7		Wet			No odor staining
10	55.8		Wet	Dark Medium Sand With some weathered Bedrock	No odor staining	
11	0		Wet		No odor staining	
12	0		Wet		Refusal @ 12'	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-14	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	Comments:
Installer:	CE			
Method:	Geoprobe			
Date:	2/14/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	100%	Urban fill	No odor or staining
2	0		Medium Moist		Brown Clay	No odor or staining
3	0		Medium Moist			No odor or staining
4	0		Medium Moist			No odor or staining
5	0		Medium Moist		Brown Medium Sand with some Weathered Bedrock	No odor or staining
6	0		Medium Moist	90%		No odor or staining
7	0		Medium Moist			No odor or staining
8	0		Wet			No odor or staining
9	0		Wet			No odor or staining
10	0		Wet			No odor or staining
11	0		Wet		Dark Weathered Bedrock	No odor or staining
12	0		Wet			No odor or staining
13	0		Medium Moist			No odor or staining
14	0		Medium Moist			No odor or staining
15	0		Medium Moist			No odor or staining
16					End of Boring @ 15'	
17						
18						
19						
20						
21						
22						
23						
24						
25						


TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-15	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	Comments:
Installer:	CE			
Method:	Geoprobe			
Date:	2/14/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks	
1	0		Medium Moist	50%	Dark Corse Sand, Urban fill	No odor or staining	
2	0		Medium Moist			No odor or staining	
3	0		Medium Moist			Brown Coarse Sand With some Pebbles	No odor or staining
4	0		Medium Moist				No odor or staining
5	0		Medium Moist				No odor or staining
6	0		Medium Moist	80%	Brown Coarse Sand With some weathered Bedrock	No odor or staining	
7	0		Medium Moist			No odor or staining	
8	0		Medium Moist			No odor or staining	
9	0		Wet			No odor or staining	
10	0		Wet			No odor or staining	
11					End of Boring @ 10'		
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							


TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %

SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-16	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	Comments:
Installer:	CE			
Method:	Geoprobe			
Date:	2/14/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	50%	Dark Coarse Sand, Urban fill	No odor or staining
2	0		Medium Moist			No odor or staining
3	0		Medium Moist			No odor or staining
4	0		Medium Moist			No odor or staining
5	0		Medium Moist			No odor or staining
6	0		Medium Moist	80%	Dark Weathered Bedrock	No odor or staining
7	0		Medium Moist			No odor or staining
8	0		Medium Moist			No odor or staining
9	0		Medium Moist			No odor or staining
10	0		Medium Moist			No odor or staining
11	0		Wet	80%	Dark Weathered Bedrock	No odor or staining
12	0		Wet			No odor or staining
13	0		Wet			No odor or staining
14					End of Boring @ 13'	
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						


TRACE = 1 - 10%

LITTLE = 11 - 20%

SOME = 21 - 35%

AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-17	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Handauger			
Date:	2/15/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	80%	6" concrete on the top. Brown Medium sand underneath	No odor or staining
2	0		Medium Moist			End of Boring @ 2'
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-18	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Handauger			
Date:	2/15/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	80%	6" concrete on the top. Brown Medium sand underneath	No odor or staining
2	0		Medium Moist			End of Boring @ 2'
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-19	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Handauger			
Date:	2/15/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	80%	6" concrete on the top. Dark Medium sand underneath	No odor or staining
2	0		Medium Moist			End of Boring @ 2'
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-20	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/14/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks	
1	0.4		Medium Moist		Urbanfill	No odor or staining	
2	0.4		Medium Moist			End of boring @ 2'	No odor or staining
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-21	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/15/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	80%	Urbanfill	No odor or staining
2	0		Medium Moist			End of Boring @ 2"
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-22	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/15/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	80%	Urbanfill	No odor or staining
2	0		Medium Moist			No odor or staining
3				End of Boring @ 2"		
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %


SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-23	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/15/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	80%	Urbanfill	No odor or staining
2	0		Medium Moist			No odor or staining
3				End of Boring @ 2'		
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Site Location:	381-393 Huguenot St. New Rochelle, NY	Boring No.:	SB-24	
Project #:	2015-188	Logged By:	SZ	
Client:	Chechile Realty and 381-383 Huguenot LLC	Checked By:	WF	
Installer:	CE	Comments:		
Method:	Geoprobe			
Date:	2/15/2017			

depth (feet)	PID (ppm)	Sample	Moisture Content	Recovery	Soil Classification	Remarks
1	0		Medium Moist	80%	Urbanfill	No odor or staining
2	0		Medium Moist			No odor or staining
3				End of Boring @ 2'		
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

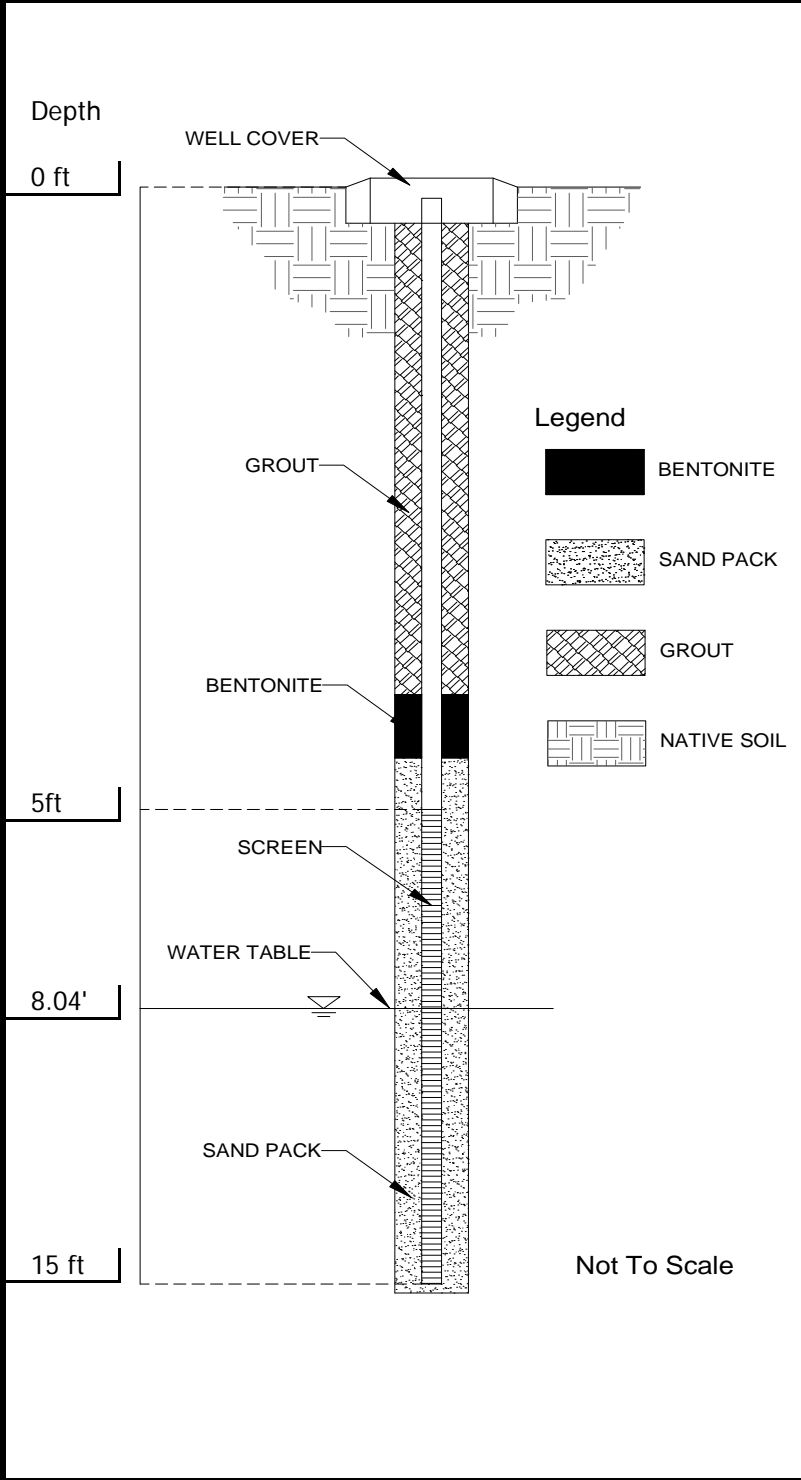
TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %



Temporary Ground Water Sampling Log

Site Location:	381-393 Huguenot St.
Job Number:	2015-188
Client:	Chechile Realty and 381-383 Huguenot LLC
Location:	In front of the office

Well Code:	GW-5B
Installer:	Clean Global
Installation Method:	Geoprobe
Installation Date:	2/14/2017
Geologist:	SZ
Coordinates (State Plane NAD 84):	
Elevation:	87 ft AMSL



Surface Pad Type:	N/A
Well Cap Type:	N/A
Surface Casing Type:	N/A
Riser Pipe Type: Diameter: Length: Interval (BEG):	Sch. 40 PVC 1 inch 5 ft 0 ft to 5ft
Annular Seal Type: Length: Interval (BEG):	Grout 3 ft 0 ft to 3 ft
Bentonite Seal Type: Length: Interval (BEG):	unknow 1 ft 3 ft to 4 ft
Filter Pack Type: Length: Interval (BEG):	#2 morris sand 11 ft 4 ft to 15 ft
Screen Type: Diameter: Length: Slot Size: Interval (BEG):	Sch. 40 PVC 1 inch 10 ft 10-slot 5 ft to 15 ft



Temporary Ground Water Sampling Log

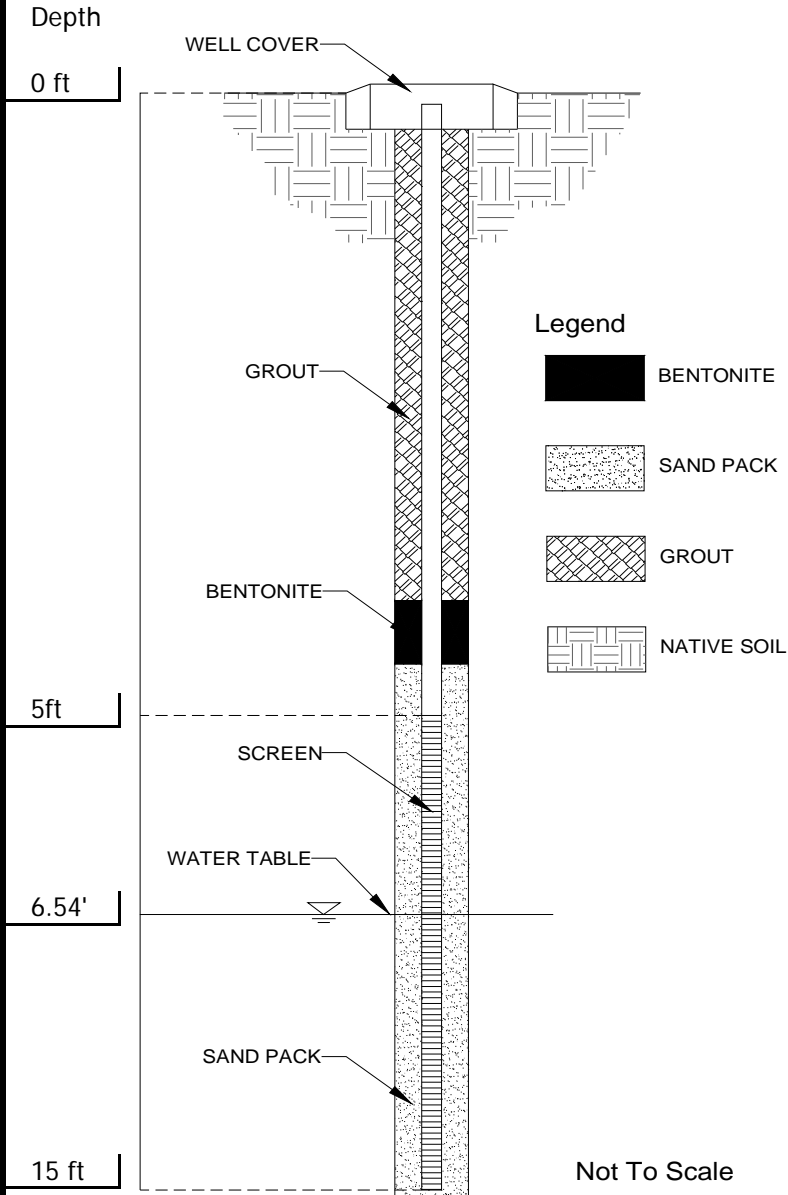
Well Code:

GW-6

Installer: Clean Global
Installation Method: Geoprobe
Installation Date: 2/15/2017

Site Location: 381-393 Huguenot St.
Job Number: 2015-188
Client: Chechile Realty and 381-383 Huguenot LLC
Location: South parking lot behind the building

Geologist: SZ
Coordinates (State Plane NAD 84):
Elevation: 85 ft AMSL



Surface Pad
 Type: N/A

Well Cap
 Type: N/A

Surface Casing
 Type: N/A

Riser Pipe
 Type: Sch. 40 PVC
 Diameter: 1 inch
 Length: 5 ft
 Interval (BEG): 0 ft to 5ft

Annular Seal
 Type: Grout
 Length: 3 ft
 Interval (BEG): 0 ft to 3 ft

Bentonite Seal
 Type: unknow
 Length: 1 ft
 Interval (BEG): 3 ft to 4 ft

Filter Pack
 Type: #2 morris sand
 Length: 11 ft
 Interval (BEG): 4 ft to 15 ft

Screen
 Type: Sch. 40 PVC
 Diameter: 1 inch
 Length: 10 ft
 Slot Size: 10-slot
 Interval (BEG): 5 ft to 15 ft



Temporary Ground Water Sampling Log

Well Code:

GW-7

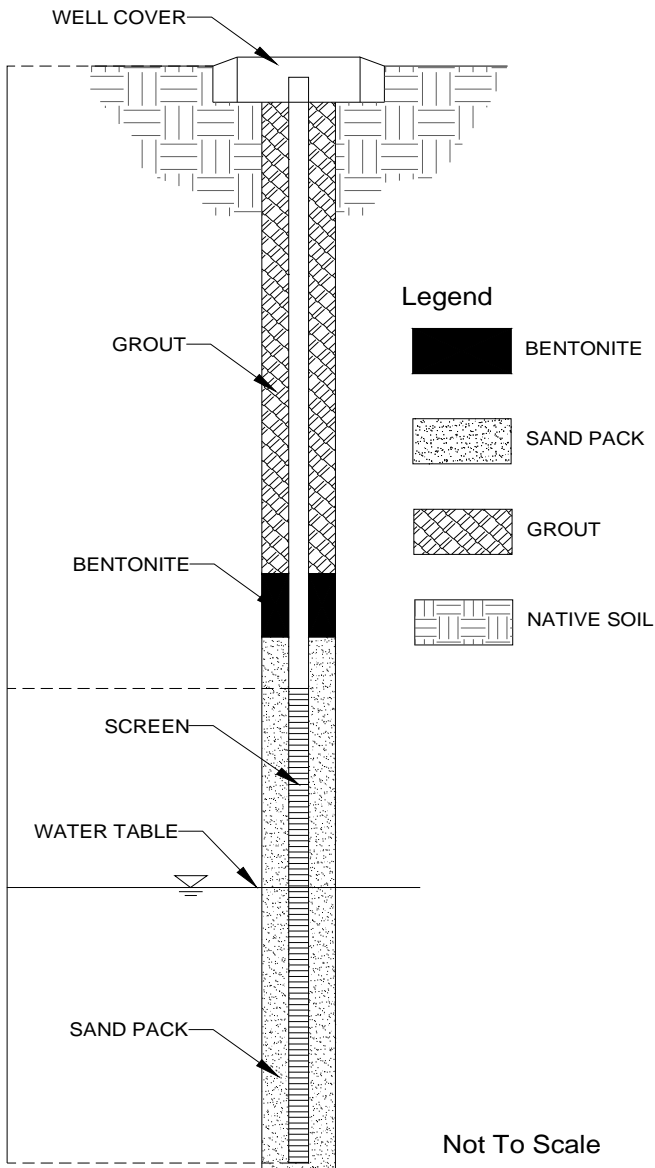
Installer: Clean Global
Installation Method: Geoprobe
Installation Date: 2/15/2017

Site Location: 381-393 Huguenot St.
Job Number: 2015-188
Client: Chechile Realty and 381-383 Huguenot LLC
Location: Northern parking lot behind the building

Geologist: SZ
Coordinates (State Plane NAD 84):
Elevation: 85 ft AMSL

Depth

0 ft



5ft

7.54'

15 ft

Surface Pad

Type: N/A

Well Cap

Type: N/A

Surface Casing

Type: N/A

Riser Pipe

Type: Sch. 40 PVC
 Diameter: 1 inch
 Length: 5 ft
 Interval (BEG): 0 ft to 5ft

Annular Seal

Type: Grout
 Length: 3 ft
 Interval (BEG): 0 ft to 3 ft

Bentonite Seal

Type: unknow
 Length: 1 ft
 Interval (BEG): 3 ft to 4 ft

Filter Pack

Type: #2 morris sand
 Length: 11 ft
 Interval (BEG): 4 ft to 15 ft

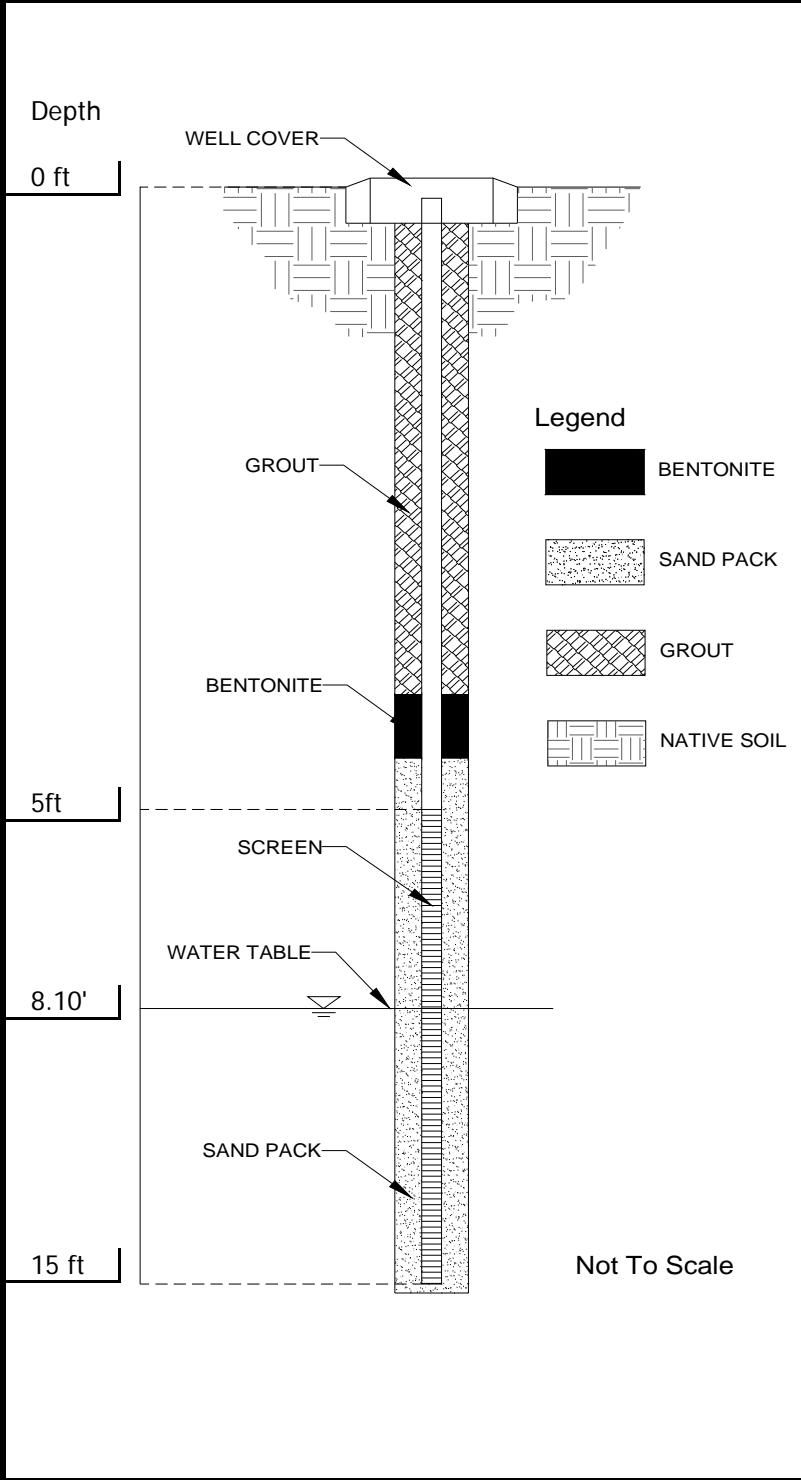
Screen

Type: Sch. 40 PVC
 Diameter: 1 inch
 Length: 10 ft
 Slot Size: 10-slot
 Interval (BEG): 5 ft to 15 ft



Temporary Ground Water Sampling Log

Site Location:	381-393 Huguenot St.	Well Code:	GW-8
Job Number:	2015-188	Installer:	Clean Global
Client:	Chechile Realty and 381-383 Huguenot LLC	Installation Method:	Geoprobe
Location:	Eastern portion of central parking area	Installation Date:	2/14/2017
		Geologist:	SZ
		Coordinates (State Plane NAD 84):	
		Elevation:	86 ft AMSL



Surface Pad	
Type:	N/A
Well Cap	
Type:	N/A
Surface Casing	
Type:	N/A
Riser Pipe	
Type:	Sch. 40 PVC
Diameter:	1 inch
Length:	5 ft
Interval (BEG):	0 ft to 5ft
Annular Seal	
Type:	Grout
Length:	3 ft
Interval (BEG):	0 ft to 3 ft
Bentonite Seal	
Type:	unknow
Length:	1 ft
Interval (BEG):	3 ft to 4 ft
Filter Pack	
Type:	#2 morris sand
Length:	11 ft
Interval (BEG):	4 ft to 15 ft
Screen	
Type:	Sch. 40 PVC
Diameter:	1 inch
Length:	10 ft
Slot Size:	10-slot
Interval (BEG):	5 ft to 15 ft

APPENDIX B

Laboratory Analysis Report



Thursday, February 23, 2017

Attn: Mr. Wenqing Fang, Principal
Cider Environmental, LLC
6268 Jericho Turnpike, Suite 12
Commack, NY 11725

Project ID: 383 HUGUENOT
Sample ID#s: BX70270 - BX70284

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

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



SDG Comments

February 23, 2017

SDG I.D.: GBX70270

SIM Analysis:

The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

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

Analysis Report

February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: GROUND WATER
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/15/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70270

Project ID: 383 HUGUENOT
 Client ID: GW-6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semi-Volatile Extraction	Completed				02/17/17	P/D	SW3520C

Volatiles- Stars/CP-51

1,2,4-Trimethylbenzene	20	1.0	ug/L	1	02/17/17	MH	SW8260C
1,3,5-Trimethylbenzene	6.0	1.0	ug/L	1	02/17/17	MH	SW8260C
Benzene	ND	0.70	ug/L	1	02/17/17	MH	SW8260C
Ethylbenzene	5.9	1.0	ug/L	1	02/17/17	MH	SW8260C
Isopropylbenzene	3.8	1.0	ug/L	1	02/17/17	MH	SW8260C
m&p-Xylene	5.6	2.0	ug/L	1	02/17/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
Naphthalene	23	1.0	ug/L	1	02/17/17	MH	SW8260C
n-Butylbenzene	1.5	1.0	ug/L	1	02/17/17	MH	SW8260C
n-Propylbenzene	5.9	1.0	ug/L	1	02/17/17	MH	SW8260C
o-Xylene	ND	2.0	ug/L	1	02/17/17	MH	SW8260C
p-Isopropyltoluene	1.1	1.0	ug/L	1	02/17/17	MH	SW8260C
sec-Butylbenzene	2.7	1.0	ug/L	1	02/17/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
Toluene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
Total Xylenes	5.6	2.0	ug/L	1	02/17/17	MH	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	101		%	1	02/17/17	MH	70 - 130 %
% Bromofluorobenzene	98		%	1	02/17/17	MH	70 - 130 %
% Dibromofluoromethane	103		%	1	02/17/17	MH	70 - 130 %
% Toluene-d8	101		%	1	02/17/17	MH	70 - 130 %

Semivolatiles by SIM

2-Methylnaphthalene	220	2.1	ug/L	20	02/22/17	DD	SW8270D (SIM)
Acenaphthene	20	2.1	ug/L	20	02/21/17	DD	SW8270D (SIM)

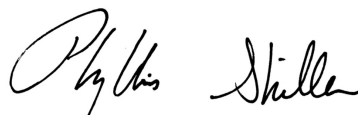
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acenaphthylene	7.4	2.1	ug/L	20	02/21/17	DD	SW8270D (SIM)
Anthracene	7.0	2.1	ug/L	20	02/21/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.42	ug/L	20	02/21/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.42	ug/L	20	02/21/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.42	ug/L	20	02/21/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	2.1	ug/L	20	02/21/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.42	ug/L	20	02/21/17	DD	SW8270D (SIM)
Chrysene	0.57	0.42	ug/L	20	02/21/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.21	ug/L	20	02/21/17	DD	SW8270D (SIM)
Fluoranthene	ND	2.1	ug/L	20	02/21/17	DD	SW8270D (SIM)
Fluorene	27	2.1	ug/L	20	02/21/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.42	ug/L	20	02/21/17	DD	SW8270D (SIM)
Naphthalene	68	2.1	ug/L	20	02/21/17	DD	SW8270D (SIM)
Phenanthrene	59	1.5	ug/L	20	02/21/17	DD	SW8270D (SIM)
Pyrene	3.8	2.1	ug/L	20	02/21/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	Diluted Out		%	20	02/21/17	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	20	02/21/17	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	20	02/21/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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 semivolatiles analysis.

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

February 23, 2017

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

Analysis Report

February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: GROUND WATER
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/15/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70271

Project ID: 383 HUGUENOT
 Client ID: GW-7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semi-Volatile Extraction	Completed				02/17/17	P/D	SW3520C

Volatiles- Stars/CP-51

1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
Benzene	ND	0.70	ug/L	1	02/17/17	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
m&p-Xylene	ND	2.0	ug/L	1	02/17/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
o-Xylene	ND	2.0	ug/L	1	02/17/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
Toluene	ND	1.0	ug/L	1	02/17/17	MH	SW8260C
Total Xylenes	ND	2.0	ug/L	1	02/17/17	MH	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	101		%	1	02/17/17	MH	70 - 130 %
% Bromofluorobenzene	97		%	1	02/17/17	MH	70 - 130 %
% Dibromofluoromethane	103		%	1	02/17/17	MH	70 - 130 %
% Toluene-d8	99		%	1	02/17/17	MH	70 - 130 %

Semivolatiles by SIM


2-Methylnaphthalene	0.57	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acenaphthylene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	02/21/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Fluorene	0.10	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Phenanthrene	0.11	0.07	ug/L	1	02/21/17	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	51		%	1	02/21/17	DD	30 - 130 %
% Nitrobenzene-d5	40		%	1	02/21/17	DD	30 - 130 %
% Terphenyl-d14	70		%	1	02/21/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

February 23, 2017

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

Analysis Report

February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: GROUND WATER
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/15/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70272

Project ID: 383 HUGUENOT
 Client ID: GW-8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semi-Volatile Extraction	Completed				02/17/17	P/D	SW3520C

Volatiles- Stars/CP-51

1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/16/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/16/17	MH	SW8260C
Benzene	ND	0.70	ug/L	1	02/16/17	MH	SW8260C
Ethylbenzene	3.7	1.0	ug/L	1	02/16/17	MH	SW8260C
Isopropylbenzene	3.5	1.0	ug/L	1	02/16/17	MH	SW8260C
m&p-Xylene	ND	2.0	ug/L	1	02/16/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/16/17	MH	SW8260C
Naphthalene	1.7	1.0	ug/L	1	02/16/17	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	02/16/17	MH	SW8260C
n-Propylbenzene	2.7	1.0	ug/L	1	02/16/17	MH	SW8260C
o-Xylene	ND	2.0	ug/L	1	02/16/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	02/16/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	02/16/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/16/17	MH	SW8260C
Toluene	ND	1.0	ug/L	1	02/16/17	MH	SW8260C
Total Xylenes	ND	2.0	ug/L	1	02/16/17	MH	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	99		%	1	02/16/17	MH	70 - 130 %
% Bromofluorobenzene	97		%	1	02/16/17	MH	70 - 130 %
% Dibromofluoromethane	101		%	1	02/16/17	MH	70 - 130 %
% Toluene-d8	99		%	1	02/16/17	MH	70 - 130 %

Semivolatiles by SIM

2-Methylnaphthalene	1.2	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acenaphthylene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Anthracene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Chrysene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	02/21/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	ug/L	1	02/21/17	DD	SW8270D (SIM)
Naphthalene	0.65	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.07	ug/L	1	02/21/17	DD	SW8270D (SIM)
Pyrene	ND	0.10	ug/L	1	02/21/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	49		%	1	02/21/17	DD	30 - 130 %
% Nitrobenzene-d5	46		%	1	02/21/17	DD	30 - 130 %
% Terphenyl-d14	78		%	1	02/21/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

February 23, 2017

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

Analysis Report
 February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/14/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70273

Project ID: 383 HUGUENOT
 Client ID: SB-9B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	22900	530	mg/Kg	100	02/22/17	LK	SW6010C
Arsenic	0.79	0.71	mg/Kg	1	02/18/17	LK	SW6010C
Barium	223	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	0.43	0.28	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	1620	5.3	mg/Kg	1	02/20/17	TH	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	22.4	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	75.6	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Copper	55.0	0.35	mg/kg	1	02/18/17	LK	SW6010C
Iron	40100	53	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	14900	530	mg/Kg	100	02/22/17	LK	SW6010C
Magnesium	10600	53	mg/Kg	10	02/20/17	TH	SW6010C
Manganese	829	3.5	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	465	5.3	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	58.3	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Lead	1.47	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Antimony	< 3.5	3.5	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	02/20/17	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	58.3	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	81.7	0.35	mg/Kg	1	02/18/17	LK	SW6010C
Percent Solid	85		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction of TPH SM	Completed				02/16/17	CC/CKV	SW3545A
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
PCB-1221	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
PCB-1232	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
PCB-1242	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
PCB-1248	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
PCB-1254	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
PCB-1260	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
PCB-1262	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
PCB-1268	ND	77	ug/Kg	2	02/20/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	113		%	2	02/20/17	AW	30 - 150 %
% TCMX	73		%	2	02/20/17	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	59	mg/Kg	1	02/18/17	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% n-Pentacosane	78		%	1	02/18/17	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	02/17/17	DD	SW8270D

Client ID: SB-9B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	780	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	67		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	50		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5	61		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	60		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	69		%	1	02/17/17	DD	30 - 130 %

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 Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:


Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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

Analysis Report
 February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/15/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70274

Project ID: 383 HUGUENOT
 Client ID: SB-10B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	10600	58	mg/Kg	10	02/20/17	TH	SW6010C
Arsenic	1.64	0.77	mg/Kg	1	02/18/17	LK	SW6010C
Barium	77.7	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	< 0.31	0.31	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	1250	5.8	mg/Kg	1	02/20/17	TH	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	9.49	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	29.5	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Copper	17.4	0.38	mg/kg	1	02/18/17	LK	SW6010C
Iron	17300	58	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	3450	5.8	mg/Kg	1	02/18/17	LK	SW6010C
Magnesium	3340	5.8	mg/Kg	1	02/18/17	LK	SW6010C
Manganese	426	3.8	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	182	5.8	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	40.8	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Lead	2.78	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Antimony	< 3.8	3.8	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	02/20/17	TH	SW6010C
Thallium	< 3.5	3.5	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	27.6	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	29.6	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Percent Solid	89		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction of TPH SM	Completed				02/16/17	CC/CKV	SW3545A
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1221	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1232	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1242	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1248	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1254	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1260	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1262	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1268	ND	73	ug/Kg	2	02/18/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	75		%	2	02/18/17	AW	30 - 150 %
% TCMX	57		%	2	02/18/17	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	54	mg/Kg	1	02/18/17	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% n-Pentacosane	92		%	1	02/18/17	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitrophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	750	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	47		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5	62		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	59		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	68		%	1	02/17/17	DD	30 - 130 %

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 Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:


Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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



Analysis Report

February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/15/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70275

Project ID: 383 HUGUENOT
 Client ID: SB-17

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	14900	57	mg/Kg	10	02/20/17	TH	SW6010C
Arsenic	3.94	0.76	mg/Kg	1	02/18/17	LK	SW6010C
Barium	58.4	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	0.54	0.30	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	3020	5.7	mg/Kg	1	02/20/17	TH	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	11.4	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	43.2	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Copper	27.5	0.38	mg/kg	1	02/18/17	LK	SW6010C
Iron	24400	57	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	1890	5.7	mg/Kg	1	02/18/17	LK	SW6010C
Magnesium	4370	5.7	mg/Kg	1	02/18/17	LK	SW6010C
Manganese	651	3.8	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	78.7	5.7	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	39.0	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Lead	8.96	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Antimony	< 3.8	3.8	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	02/20/17	LK	SW6010C
Thallium	< 3.4	3.4	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	35.3	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	38.5	0.38	mg/Kg	1	02/18/17	LK	SW6010C
Percent Solid	86		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1221	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1232	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1242	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1248	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1254	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1260	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1262	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
PCB-1268	ND	77	ug/Kg	2	02/18/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	82		%	2	02/18/17	AW	30 - 150 %
% TCMX	66		%	2	02/18/17	AW	30 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	610	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	760	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	60		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	43		%	1	02/17/17	DD	30 - 130 %
% Nitrobenzene-d5	59		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	55		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	62		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

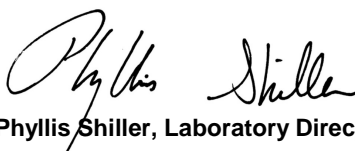
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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

Analysis Report
 February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/15/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70276

Project ID: 383 HUGUENOT
 Client ID: SB-18

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	15800	59	mg/Kg	10	02/20/17	TH	SW6010C
Arsenic	5.30	0.78	mg/Kg	1	02/18/17	LK	SW6010C
Barium	75.0	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	0.39	0.31	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	5230	5.9	mg/Kg	1	02/20/17	TH	SW6010C
Cadmium	0.42	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	10.7	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	30.1	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Copper	39.4	0.39	mg/kg	1	02/18/17	LK	SW6010C
Iron	23800	59	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	0.15	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	1540	5.9	mg/Kg	1	02/18/17	LK	SW6010C
Magnesium	4860	5.9	mg/Kg	1	02/18/17	LK	SW6010C
Manganese	472	3.9	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	164	5.9	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	30.3	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Lead	147	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Antimony	< 3.9	3.9	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	02/20/17	LK	SW6010C
Thallium	< 3.5	3.5	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	34.9	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	126	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Percent Solid	85		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1221	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1232	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1242	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1248	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1254	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1260	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1262	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1268	ND	77	ug/Kg	2	02/17/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	77		%	2	02/17/17	AW	30 - 150 %
% TCMX	62		%	2	02/17/17	AW	30 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	630	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	780	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	65		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	45		%	1	02/17/17	DD	30 - 130 %
% Nitrobenzene-d5	62		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	57		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	62		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

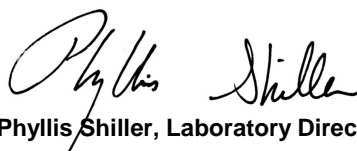
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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

Analysis Report
 February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 02/15/17
 02/16/17 17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70277

Project ID: 383 HUGUENOT
 Client ID: SB-19

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	13900	56	mg/Kg	10	02/20/17	TH	SW6010C
Arsenic	4.45	0.75	mg/Kg	1	02/18/17	LK	SW6010C
Barium	142	0.37	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	0.45	0.30	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	3170	5.6	mg/Kg	1	02/20/17	TH	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	11.5	0.37	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	37.7	0.37	mg/Kg	1	02/18/17	LK	SW6010C
Copper	26.8	0.37	mg/kg	1	02/18/17	LK	SW6010C
Iron	20900	56	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	0.32	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	2310	5.6	mg/Kg	1	02/18/17	LK	SW6010C
Magnesium	3950	5.6	mg/Kg	1	02/18/17	LK	SW6010C
Manganese	584	3.7	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	143	5.6	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	42.4	0.37	mg/Kg	1	02/18/17	LK	SW6010C
Lead	495	3.7	mg/Kg	10	02/20/17	TH	SW6010C
Antimony	< 3.7	3.7	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	2.8	1.5	mg/Kg	1	02/20/17	MA	SW6010C
Thallium	< 3.4	3.4	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	31.7	0.37	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	105	0.37	mg/Kg	1	02/18/17	LK	SW6010C
Percent Solid	87		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1221	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1232	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1242	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1248	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1254	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1260	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1262	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1268	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	111		%	2	02/17/17	AW	30 - 150 %
% TCMX	63		%	2	02/17/17	AW	30 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	750	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	74		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	56		%	1	02/17/17	DD	30 - 130 %
% Nitrobenzene-d5	70		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	68		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	73		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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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 Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

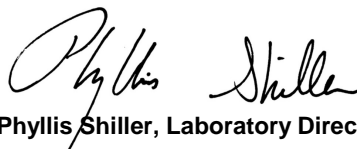
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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

Analysis Report

February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 02/14/17
 02/16/17 17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70278

Project ID: 383 HUGUENOT
 Client ID: SB-14

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	9680	61	mg/Kg	10	02/20/17	TH	SW6010C
Arsenic	7.06	0.82	mg/Kg	1	02/18/17	LK	SW6010C
Barium	301	0.41	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	0.35	0.33	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	13600	61	mg/Kg	10	02/20/17	LK	SW6010C
Cadmium	1.24	0.41	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	10.0	0.41	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	24.9	0.41	mg/Kg	1	02/18/17	LK	SW6010C
Copper	120	0.41	mg/kg	1	02/18/17	LK	SW6010C
Iron	18800	61	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	0.74	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	3190	6.1	mg/Kg	1	02/18/17	LK	SW6010C
Magnesium	5660	6.1	mg/Kg	1	02/18/17	LK	SW6010C
Manganese	443	4.1	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	210	6.1	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	24.7	0.41	mg/Kg	1	02/18/17	LK	SW6010C
Lead	3210	41	mg/Kg	100	02/22/17	LK	SW6010C
Antimony	24.7	4.1	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	02/20/17	TH	SW6010C
Thallium	< 3.7	3.7	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	28.2	0.41	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	235	4.1	mg/Kg	10	02/20/17	TH	SW6010C
Percent Solid	85		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1221	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1232	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1242	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1248	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1254	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1260	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1262	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1268	ND	78	ug/Kg	2	02/17/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	90		%	2	02/17/17	AW	30 - 150 %
% TCMX	72		%	2	02/17/17	AW	30 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	330	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	370	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	350	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	770	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	330	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	450	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	440	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	68		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	47		%	1	02/17/17	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	57		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	64		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

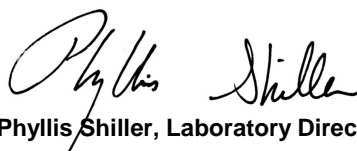
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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

Analysis Report
 February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 02/14/17
 02/16/17 17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70279

Project ID: 383 HUGUENOT
 Client ID: SB-15

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	11000	51	mg/Kg	10	02/20/17	TH	SW6010C
Arsenic	3.19	0.69	mg/Kg	1	02/18/17	LK	SW6010C
Barium	124	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	0.34	0.27	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	7060	5.1	mg/Kg	1	02/20/17	TH	SW6010C
Cadmium	0.62	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	9.69	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	26.5	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Copper	52.6	0.34	mg/kg	1	02/18/17	LK	SW6010C
Iron	18700	51	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	0.30	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	2490	5.1	mg/Kg	1	02/18/17	LK	SW6010C
Magnesium	3830	5.1	mg/Kg	1	02/18/17	LK	SW6010C
Manganese	576	3.4	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	228	5.1	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	28.8	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Lead	250	3.4	mg/Kg	10	02/20/17	TH	SW6010C
Antimony	< 3.4	3.4	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	02/20/17	TH	SW6010C
Thallium	< 3.1	3.1	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	31.4	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	112	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Percent Solid	89		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1221	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1232	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1242	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1248	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1254	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1260	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1262	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1268	ND	74	ug/Kg	2	02/17/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	87		%	2	02/17/17	AW	30 - 150 %
% TCMX	70		%	2	02/17/17	AW	30 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	590	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	270	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	270	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	730	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	270	260	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	380	260	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	370	260	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	72		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	54		%	1	02/17/17	DD	30 - 130 %
% Nitrobenzene-d5	71		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	65		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	66		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

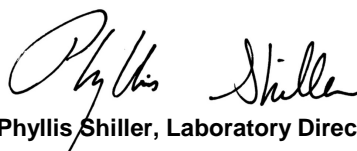
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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

Analysis Report
 February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/14/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70280

Project ID: 383 HUGUENOT
 Client ID: SB-16

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.43	0.43	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	12700	64	mg/Kg	10	02/20/17	TH	SW6010C
Arsenic	6.57	0.86	mg/Kg	1	02/18/17	LK	SW6010C
Barium	211	0.43	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	0.44	0.34	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	19800	64	mg/Kg	10	02/20/17	LK	SW6010C
Cadmium	0.72	0.43	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	11.2	0.43	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	30.5	0.43	mg/Kg	1	02/18/17	LK	SW6010C
Copper	86.3	0.43	mg/kg	1	02/18/17	LK	SW6010C
Iron	21500	64	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	0.37	0.04	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	2610	6.4	mg/Kg	1	02/18/17	LK	SW6010C
Magnesium	9810	64	mg/Kg	10	02/20/17	TH	SW6010C
Manganese	433	4.3	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	341	6.4	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	30.4	0.43	mg/Kg	1	02/18/17	LK	SW6010C
Lead	440	4.3	mg/Kg	10	02/20/17	TH	SW6010C
Antimony	< 4.3	4.3	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.7	1.7	mg/Kg	1	02/20/17	TH	SW6010C
Thallium	< 3.9	3.9	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	35.0	0.43	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	246	4.3	mg/Kg	10	02/20/17	TH	SW6010C
Percent Solid	72		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1221	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1232	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1242	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1248	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1254	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1260	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1262	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1268	ND	92	ug/Kg	2	02/17/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	72		%	2	02/17/17	AW	30 - 150 %
% TCMX	61		%	2	02/17/17	AW	30 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	730	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitrophenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	1000	320	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	5800	320	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	5800	320	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	5600	320	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	2800	320	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	5400	320	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	910	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	5800	320	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	720	320	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	9800	320	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	3500	320	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	4000	320	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	320	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	8800	320	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	460	ug/Kg	1	02/17/17	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	63		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	44		%	1	02/17/17	DD	30 - 130 %
% Nitrobenzene-d5	67		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	58		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	62		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

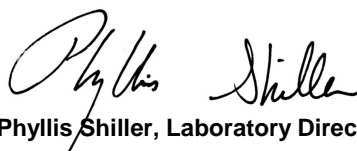
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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



Analysis Report

February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/14/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70281

Project ID: 383 HUGUENOT
 Client ID: SB-20

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	8030	54	mg/Kg	10	02/20/17	TH	SW6010C
Arsenic	3.22	0.72	mg/Kg	1	02/18/17	LK	SW6010C
Barium	238	0.36	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	< 0.29	0.29	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	23100	54	mg/Kg	10	02/20/17	LK	SW6010C
Cadmium	1.11	0.36	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	11.5	0.36	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	25.0	0.36	mg/Kg	1	02/18/17	LK	SW6010C
Copper	212	3.6	mg/kg	10	02/20/17	TH	SW6010C
Iron	19300	54	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	0.27	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	2090	5.4	mg/Kg	1	02/18/17	LK	SW6010C
Magnesium	10200	54	mg/Kg	10	02/20/17	TH	SW6010C
Manganese	365	3.6	mg/Kg	10	02/20/17	LK	SW6010C
Sodium	156	5.4	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	50.6	0.36	mg/Kg	1	02/18/17	LK	SW6010C
Lead	1820	36	mg/Kg	100	02/22/17	LK	SW6010C
Antimony	< 3.6	3.6	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	02/20/17	TH	SW6010C
Thallium	< 3.2	3.2	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	22.5	0.36	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	641	3.6	mg/Kg	10	02/20/17	TH	SW6010C
Percent Solid	90		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction of TPH SM	Completed				02/16/17	CC/CKV	SW3545A
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	74	ug/Kg	2	02/21/17	AW	SW8082A
PCB-1221	ND	74	ug/Kg	2	02/21/17	AW	SW8082A
PCB-1232	ND	74	ug/Kg	2	02/21/17	AW	SW8082A
PCB-1242	ND	74	ug/Kg	2	02/21/17	AW	SW8082A
PCB-1248	ND	74	ug/Kg	2	02/21/17	AW	SW8082A
PCB-1254	490	74	ug/Kg	2	02/21/17	AW	SW8082A
PCB-1260	ND	74	ug/Kg	2	02/21/17	AW	SW8082A
PCB-1262	ND	74	ug/Kg	2	02/21/17	AW	SW8082A
PCB-1268	ND	74	ug/Kg	2	02/21/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	87		%	2	02/21/17	AW	30 - 150 %
% TCMX	61		%	2	02/21/17	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	110	54	mg/Kg	1	02/18/17	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% n-Pentacosane	85		%	1	02/18/17	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	590	ug/Kg	1	02/17/17	DD	SW8270D

Client ID: SB-20

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitrophenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benz(a)anthracene	790	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	1100	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	960	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	670	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	920	260	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	730	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	990	260	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	800	260	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	1600	260	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	870	260	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	1200	260	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	260	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	1400	260	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	370	ug/Kg	1	02/17/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	60		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	47		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5	60		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	55		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	56		%	1	02/17/17	DD	30 - 130 %

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 Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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

Analysis Report
 February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

02/15/17
 02/16/17

Time

17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70282

Project ID: 383 HUGUENOT
 Client ID: SB-12

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Aluminum	29400	580	mg/Kg	100	02/22/17	LK	SW6010C
Arsenic	< 0.78	0.78	mg/Kg	1	02/18/17	LK	SW6010C
Barium	376	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Beryllium	0.48	0.31	mg/Kg	1	02/18/17	LK	SW6010C
Calcium	3130	5.8	mg/Kg	1	02/20/17	TH	SW6010C
Cadmium	< 0.39	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Cobalt	26.9	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Chromium	91.6	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Copper	21.7	0.39	mg/kg	1	02/18/17	LK	SW6010C
Iron	47900	58	mg/Kg	10	02/20/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	21000	58	mg/Kg	10	02/22/17	LK	SW6010C
Magnesium	16000	58	mg/Kg	10	02/20/17	TH	SW6010C
Manganese	798	3.9	mg/Kg	10	02/20/17	TH	SW6010C
Sodium	278	5.8	mg/Kg	1	02/18/17	LK	SW6010C
Nickel	57.6	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Lead	0.61	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Antimony	< 3.9	3.9	mg/Kg	1	02/18/17	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	02/20/17	LK	SW6010C
Thallium	< 3.5	3.5	mg/Kg	1	02/18/17	LK	SW6010C
Vanadium	82.6	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Zinc	94.8	0.39	mg/Kg	1	02/18/17	LK	SW6010C
Percent Solid	87		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction of TPH SM	Completed				02/16/17	CC/CKV	SW3545A
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1221	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1232	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1242	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1248	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1254	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1260	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1262	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1268	ND	75	ug/Kg	2	02/17/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	77		%	2	02/17/17	AW	30 - 150 %
% TCMX	61		%	2	02/17/17	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	57	mg/Kg	1	02/20/17	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% n-Pentacosane	90		%	1	02/20/17	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	610	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	270	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	760	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	350	270	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	380	ug/Kg	1	02/17/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	67		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	47		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5	60		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	57		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	62		%	1	02/17/17	DD	30 - 130 %

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 Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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

Analysis Report

February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 02/14/17
 02/16/17 17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70283

Project ID: 383 HUGUENOT
 Client ID: SB-2B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	02/21/17	LK	SW6010C
Aluminum	5240	51	mg/Kg	10	02/21/17	LK	SW6010C
Arsenic	4.22	0.68	mg/Kg	1	02/21/17	LK	SW6010C
Barium	71.3	0.34	mg/Kg	1	02/21/17	LK	SW6010C
Beryllium	0.30	0.27	mg/Kg	1	02/21/17	LK	SW6010C
Calcium	33700	51	mg/Kg	10	02/21/17	LK	SW6010C
Cadmium	0.91	0.34	mg/Kg	1	02/21/17	LK	SW6010C
Cobalt	7.73	0.34	mg/Kg	1	02/21/17	LK	SW6010C
Chromium	15.6	0.34	mg/Kg	1	02/21/17	LK	SW6010C
Copper	109	0.34	mg/kg	1	02/21/17	LK	SW6010C
Iron	15300	51	mg/Kg	10	02/22/17	LK	SW6010C
Mercury	0.25	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	1200	5.1	mg/Kg	1	02/22/17	MA	SW6010C
Magnesium	19600	51	mg/Kg	10	02/21/17	LK	SW6010C
Manganese	163	3.4	mg/Kg	10	02/21/17	LK	SW6010C
Sodium	417	5.1	mg/Kg	1	02/22/17	MA	SW6010C
Nickel	22.4	0.34	mg/Kg	1	02/21/17	LK	SW6010C
Lead	95.9	0.34	mg/Kg	1	02/21/17	LK	SW6010C
Antimony	< 3.4	3.4	mg/Kg	1	02/21/17	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	02/21/17	LK	SW6010C
Thallium	< 3.0	3.0	mg/Kg	1	02/21/17	LK	SW6010C
Vanadium	31.3	0.34	mg/Kg	1	02/21/17	LK	SW6010C
Zinc	171	3.4	mg/Kg	10	02/21/17	LK	SW6010C
Percent Solid	87		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction of TPH SM	Completed				02/16/17	CC/CKV	SW3545A
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	760	ug/Kg	20	02/18/17	AW	SW8082A
PCB-1221	ND	760	ug/Kg	20	02/18/17	AW	SW8082A
PCB-1232	ND	760	ug/Kg	20	02/18/17	AW	SW8082A
PCB-1242	ND	760	ug/Kg	20	02/18/17	AW	SW8082A
PCB-1248	ND	760	ug/Kg	20	02/18/17	AW	SW8082A
PCB-1254	3000	760	ug/Kg	20	02/18/17	AW	SW8082A
PCB-1260	ND	760	ug/Kg	20	02/18/17	AW	SW8082A
PCB-1262	ND	760	ug/Kg	20	02/18/17	AW	SW8082A
PCB-1268	ND	760	ug/Kg	20	02/18/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	101		%	20	02/18/17	AW	30 - 150 %
% TCMX	63		%	20	02/18/17	AW	30 - 150 %
<u>TPH DRO (C10-C28)</u>							
Diesel Range Organics (C10-C28)	ND	280	mg/Kg	5	02/18/17	JRB	SW8015D DRO
<u>QA/QC Surrogates</u>							
% n-Pentacosane	84		%	5	02/18/17	JRB	50 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2-Chlorophenol	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	350	ug/Kg	2	02/17/17	DD	SW8270D
2-Nitroaniline	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
2-Nitrophenol	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
3-Nitroaniline	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
4-Chloroaniline	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
4-Nitroaniline	ND	1200	ug/Kg	2	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitrophenol	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Acenaphthene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Acenaphthylene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Acetophenone	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Aniline	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
Anthracene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Benz(a)anthracene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Benzidine	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Benzo(a)pyrene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Benzo(ghi)perylene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Benzoic acid	ND	1500	ug/Kg	2	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Carbazole	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
Chrysene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	330	ug/Kg	2	02/17/17	DD	SW8270D
Dibenzofuran	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Diethyl phthalate	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Dimethylphthalate	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Fluoranthene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Fluorene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Hexachloroethane	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	500	ug/Kg	2	02/17/17	DD	SW8270D
Isophorone	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Naphthalene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Nitrobenzene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
Pentachlorophenol	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
Phenanthrene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Phenol	ND	330	ug/Kg	2	02/17/17	DD	SW8270D
Pyrene	ND	530	ug/Kg	2	02/17/17	DD	SW8270D
Pyridine	ND	760	ug/Kg	2	02/17/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	63		%	2	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	2	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	46		%	2	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5	51		%	2	02/17/17	DD	30 - 130 %
% Phenol-d5	60		%	2	02/17/17	DD	30 - 130 %
% Terphenyl-d14	68		%	2	02/17/17	DD	30 - 130 %

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 Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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.

Semi-Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

February 23, 2017

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

Analysis Report

February 23, 2017

FOR: Attn: Mr. Wenqing Fang, Principal
 Cider Environmental, LLC
 6268 Jericho Turnpike, Suite 12
 Commack, NY 11725

Sample Information

Matrix: SOIL
 Location Code: CIDER-ENV
 Rush Request: Standard
 P.O.#: 2015-188

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 02/15/17
 02/16/17 17:43

Laboratory Data

SDG ID: GBX70270
 Phoenix ID: BX70284

Project ID: 383 HUGUENOT
 Client ID: SB-21

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	3.96	0.38	mg/Kg	1	02/21/17	MA	SW6010C
Aluminum	9940	56	mg/Kg	10	02/21/17	LK	SW6010C
Arsenic	11.7	0.75	mg/Kg	1	02/21/17	LK	SW6010C
Barium	334	0.38	mg/Kg	1	02/21/17	LK	SW6010C
Beryllium	0.46	0.30	mg/Kg	1	02/21/17	LK	SW6010C
Calcium	20000	56	mg/Kg	10	02/21/17	LK	SW6010C
Cadmium	1.36	0.38	mg/Kg	1	02/21/17	LK	SW6010C
Cobalt	9.39	0.38	mg/Kg	1	02/21/17	LK	SW6010C
Chromium	29.3	0.38	mg/Kg	1	02/21/17	LK	SW6010C
Copper	187	3.8	mg/kg	10	02/21/17	LK	SW6010C
Iron	20800	560	mg/Kg	100	02/22/17	LK	SW6010C
Mercury	1.26	0.03	mg/Kg	1	02/21/17	RS	SW7471B
Potassium	2010	56	mg/Kg	10	02/22/17	LK	SW6010C
Magnesium	7030	56	mg/Kg	10	02/21/17	LK	SW6010C
Manganese	389	3.8	mg/Kg	10	02/21/17	LK	SW6010C
Sodium	186	56	mg/Kg	10	02/22/17	LK	SW6010C
Nickel	23.8	0.38	mg/Kg	1	02/21/17	LK	SW6010C
Lead	4330	38	mg/Kg	100	02/22/17	LK	SW6010C
Antimony	24.8	3.8	mg/Kg	1	02/21/17	MA	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	02/21/17	LK	SW6010C
Thallium	< 3.4	3.4	mg/Kg	1	02/21/17	LK	SW6010C
Vanadium	30.4	0.38	mg/Kg	1	02/21/17	LK	SW6010C
Zinc	583	3.8	mg/Kg	10	02/21/17	LK	SW6010C
Percent Solid	83		%		02/16/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/16/17	JC/V	SW3545A
Soil Extraction for SVOA	Completed				02/16/17	JJ/CKV	SW3545A
Mercury Digestion	Completed				02/20/17	Q/Q	SW7471B
Total Metals Digest	Completed				02/17/17	Z/AG/BF	SW3050B

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1221	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1232	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1242	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1248	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1254	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1260	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1262	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
PCB-1268	ND	80	ug/Kg	2	02/17/17	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	72		%	2	02/17/17	AW	30 - 150 %
% TCMX	60		%	2	02/17/17	AW	30 - 150 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitroaniline	ND	630	ug/Kg	1	02/17/17	DD	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Aniline	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	390	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(a)pyrene	420	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(b)fluoranthene	410	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(ghi)perylene	450	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzo(k)fluoranthene	390	270	ug/Kg	1	02/17/17	DD	SW8270D
Benzoic acid	ND	780	ug/Kg	1	02/17/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Carbazole	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Chrysene	460	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluoranthene	720	270	ug/Kg	1	02/17/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	460	270	ug/Kg	1	02/17/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyrene	690	270	ug/Kg	1	02/17/17	DD	SW8270D
Pyridine	ND	390	ug/Kg	1	02/17/17	DD	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	68		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	02/17/17	DD	30 - 130 %
% 2-Fluorophenol	41		%	1	02/17/17	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	02/17/17	DD	30 - 130 %
% Phenol-d5	56		%	1	02/17/17	DD	30 - 130 %
% Terphenyl-d14	68		%	1	02/17/17	DD	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

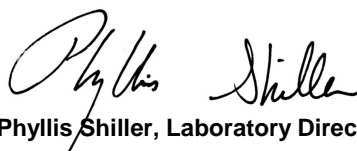
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

February 23, 2017

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



QA/QC Report

February 23, 2017

QA/QC Data

SDG I.D.: GBX70270

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 376816 (mg/kg), QC Sample No: BX69809 (BX70281, BX70282, BX70283, BX70284)

Mercury - Soil	BRL	0.02	<0.03	<0.03	NC	94.3	87.8	7.1	104			70 - 130	30
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Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

QA/QC Batch 376735 (mg/kg), QC Sample No: BX70349 (BX70273, BX70274, BX70275, BX70276, BX70277, BX70278, BX70279, BX70280, BX70281, BX70282)

ICP Metals - Soil

Aluminum	BRL	5.0	12700	13300	4.60	79.8			NC			75 - 125	30
Antimony	BRL	3.3	<3.9	<3.7	NC	87.5			76.4			75 - 125	30
Arsenic	BRL	0.67	14.5	25.2	53.9	77.1			86.3			75 - 125	30
Barium	BRL	0.33	45.1	52.4	15.0	83.4			91.5			75 - 125	30
Beryllium	BRL	0.27	0.42	0.46	NC	85.6			88.9			75 - 125	30
Cadmium	BRL	0.33	<0.39	<0.37	NC	87.0			84.3			75 - 125	30
Calcium	BRL	5.0	1560	1370	13.0	84.6			NC			75 - 125	30
Chromium	BRL	0.33	22.9	24.8	8.00	89.8			91.3			75 - 125	30
Cobalt	BRL	0.33	10.1	10.3	2.00	91.3			88.7			75 - 125	30
Copper	BRL	0.33	20.9	22.4	6.90	92.3			95.9			75 - 125	30
Iron	BRL	5.0	20100	21300	5.80	82.3			NC			75 - 125	30
Lead	BRL	0.33	12.2	12.1	0.80	78.3			87.8			75 - 125	30
Magnesium	BRL	5.0	5440	5910	8.30	81.1			NC			75 - 125	30
Manganese	BRL	0.33	385	371	3.70	91.3			81.2			75 - 125	30
Nickel	BRL	0.33	20.8	23.6	12.6	95.8			88.8			75 - 125	30
Potassium	BRL	5.0	2060	2390	14.8	75.4			>130			75 - 125	30
Selenium	BRL	1.3	<1.6	<1.5	NC	75.5			76.9			75 - 125	30
Silver	BRL	0.33	<0.39	<0.37	NC	80.5			90.9			75 - 125	30
Sodium		5.1	5.0	363	365	0.50	91.0		120			75 - 125	30
Thallium	BRL	3.0	<3.5	<3.4	NC	89.5			90.9			75 - 125	30
Vanadium	BRL	0.33	32.5	31.9	1.90	86.1			89.9			75 - 125	30
Zinc	BRL	0.33	48.8	53.9	9.90	86.5			87.6			75 - 125	30

QA/QC Batch 376736 (mg/kg), QC Sample No: BX70506 (BX70283, BX70284)

ICP Metals - Soil

Aluminum	BRL	5.0	55800	56900	2.00	119			NC			75 - 125	30
Antimony	BRL	3.3	<4.6	<4.7	NC	104			89.9			75 - 125	30
Arsenic	BRL	0.67	13.9	16.6	17.7	103			106			75 - 125	30
Barium	BRL	0.33	1400	1530	8.90	111			NC			75 - 125	30
Beryllium	BRL	0.27	1.27	1.30	NC	112			106			75 - 125	30
Cadmium	BRL	0.33	5.57	6.0	7.40	107			105			75 - 125	30
Calcium	BRL	5.0	68900	71400	3.60	106			NC			75 - 125	30
Chromium	BRL	0.33	228	226	0.90	115			121			75 - 125	30
Cobalt	BRL	0.33	15.6	15.4	1.30	112			104			75 - 125	30
Copper	BRL	0.33	2080	2390	13.9	120			NC			75 - 125	30
Iron	BRL	5.0	47200	49700	5.20	105			NC			75 - 125	30

QA/QC Data

SDG I.D.: GBX70270

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Lead	0.35	0.33	128	139	8.20	103			109			75 - 125	30
Magnesium	BRL	5.0	12600	13300	5.40	111			NC			75 - 125	30
Manganese	BRL	0.33	7590	8250	8.30	111			NC			75 - 125	30
Nickel	BRL	0.33	124	138	10.7	113			120			75 - 125	30
Potassium	BRL	5.0	11600	11200	3.50	100			NC			75 - 125	30
Selenium	BRL	1.3	<1.9	<1.9	NC	88.1			109			75 - 125	30
Silver	BRL	0.33	16.0	18.0	NC	110			125			75 - 125	30
Sodium	BRL	5.0	6820	6350	7.10	107			NC			75 - 125	30
Thallium	BRL	3.0	4.3	5.0	NC	110			105			75 - 125	30
Vanadium	BRL	0.33	32.6	34.3	5.10	114			107			75 - 125	30
Zinc	BRL	0.33	1840	2150	15.5	106			NC			75 - 125	30

QA/QC Batch 376815 (mg/kg), QC Sample No: BX70745 (BX70273, BX70274, BX70275, BX70276, BX70277, BX70278, BX70279, BX70280)

Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	101	99.7	1.3	98.3			70 - 130	30
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Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

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



QA/QC Report

February 23, 2017

QA/QC Data

SDG I.D.: GBX70270

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 376741 (ug/L), QC Sample No: BX63312 (BX70270, BX70271, BX70272)										
<u>Semivolatiles by SIM - Ground Water</u>										
2-Methylnaphthalene	ND	0.05	69	74	7.0				30 - 130	20
Acenaphthene	ND	0.05	82	88	7.1				30 - 130	20
Acenaphthylene	ND	0.04	79	80	1.3				30 - 130	20
Anthracene	ND	0.02	93	97	4.2				30 - 130	20
Benz(a)anthracene	ND	0.02	78	83	6.2				30 - 130	20
Benzo(a)pyrene	ND	0.02	77	81	5.1				30 - 130	20
Benzo(b)fluoranthene	ND	0.02	79	80	1.3				30 - 130	20
Benzo(ghi)perylene	ND	0.02	101	110	8.5				30 - 130	20
Benzo(k)fluoranthene	ND	0.02	78	81	3.8				30 - 130	20
Chrysene	ND	0.02	82	88	7.1				30 - 130	20
Dibenz(a,h)anthracene	ND	0.01	110	119	7.9				30 - 130	20
Fluoranthene	ND	0.04	89	93	4.4				30 - 130	20
Fluorene	ND	0.05	85	92	7.9				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.02	103	112	8.4				30 - 130	20
Naphthalene	ND	0.05	69	72	4.3				30 - 130	20
Phenanthrene	ND	0.05	81	85	4.8				30 - 130	20
Pyrene	ND	0.02	88	93	5.5				30 - 130	20
% 2-Fluorobiphenyl	71	%	72	78	8.0				30 - 130	20
% Nitrobenzene-d5	71	%	56	63	11.8				30 - 130	20
% Terphenyl-d14	80	%	82	85	3.6				30 - 130	20

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 376672 (ug/L), QC Sample No: BX63694 (BX70272)

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	1.0	95	98	3.1				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	97	98	1.0				70 - 130	30
Benzene	ND	0.70	93	98	5.2				70 - 130	30
Ethylbenzene	ND	1.0	98	100	2.0				70 - 130	30
Isopropylbenzene	ND	1.0	98	101	3.0				70 - 130	30
m&p-Xylene	ND	1.0	98	97	1.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	103	107	3.8				70 - 130	30
Naphthalene	ND	1.0	101	105	3.9				70 - 130	30
n-Butylbenzene	ND	1.0	101	104	2.9				70 - 130	30
n-Propylbenzene	ND	1.0	96	99	3.1				70 - 130	30
o-Xylene	ND	1.0	97	97	0.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	99	101	2.0				70 - 130	30
sec-Butylbenzene	ND	1.0	104	107	2.8				70 - 130	30
tert-Butylbenzene	ND	1.0	97	98	1.0				70 - 130	30
Toluene	ND	1.0	94	99	5.2				70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GBX70270

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	96	%	100	98	2.0				70 - 130	30
% Dibromofluoromethane	100	%	99	101	2.0				70 - 130	30
% Toluene-d8	100	%	99	101	2.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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

QA/QC Batch 376585 (ug/kg), QC Sample No: BX63792 (BX70273, BX70274, BX70275, BX70276, BX70277, BX70278, BX70279, BX70280, BX70281, BX70282, BX70283, BX70284)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230	60	60	0.0	58	65	11.4	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230	56	58	3.5	57	62	8.4	30 - 130	30	
1,2-Dichlorobenzene	ND	180	48	53	9.9	46	56	19.6	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	63	57	10.0	59	61	3.3	30 - 130	30	
1,3-Dichlorobenzene	ND	230	45	49	8.5	45	52	14.4	30 - 130	30	
1,4-Dichlorobenzene	ND	230	47	52	10.1	47	55	15.7	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	66	55	18.2	49	53	7.8	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	65	53	20.3	45	49	8.5	30 - 130	30	
2,4-Dichlorophenol	ND	130	65	58	11.4	54	62	13.8	30 - 130	30	
2,4-Dimethylphenol	ND	230	61	56	8.5	57	62	8.4	30 - 130	30	
2,4-Dinitrophenol	ND	230	15	<10	NC	46	30	42.1	30 - 130	30	I,r
2,4-Dinitrotoluene	ND	130	69	58	17.3	66	68	3.0	30 - 130	30	
2,6-Dinitrotoluene	ND	130	64	54	16.9	59	62	5.0	30 - 130	30	
2-Chloronaphthalene	ND	230	62	60	3.3	59	65	9.7	30 - 130	30	
2-Chlorophenol	ND	230	54	56	3.6	48	58	18.9	30 - 130	30	
2-Methylnaphthalene	ND	230	60	58	3.4	58	63	8.3	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	62	63	1.6	54	67	21.5	30 - 130	30	
2-Nitroaniline	ND	330	58	46	23.1	62	60	3.3	30 - 130	30	
2-Nitrophenol	ND	230	55	50	9.5	38	38	0.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	64	61	4.8	56	67	17.9	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	59	43	31.4	58	57	1.7	30 - 130	30	r
3-Nitroaniline	ND	330	61	46	28.0	60	61	1.7	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	36	19	61.8	59	51	14.5	30 - 130	30	I,r
4-Bromophenyl phenyl ether	ND	230	70	60	15.4	67	70	4.4	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	67	57	16.1	65	67	3.0	30 - 130	30	
4-Chloroaniline	ND	230	62	49	23.4	61	64	4.8	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	63	55	13.6	60	63	4.9	30 - 130	30	
4-Nitroaniline	ND	230	67	57	16.1	65	67	3.0	30 - 130	30	
4-Nitrophenol	ND	230	66	51	25.6	48	50	4.1	30 - 130	30	
Acenaphthene	ND	230	62	57	8.4	59	61	3.3	30 - 130	30	
Acenaphthylene	ND	130	61	58	5.0	58	61	5.0	30 - 130	30	
Acetophenone	ND	230	56	57	1.8	53	63	17.2	30 - 130	30	
Aniline	ND	330	47	42	11.2	44	50	12.8	30 - 130	30	
Anthracene	ND	230	69	56	20.8	66	68	3.0	30 - 130	30	
Benz(a)anthracene	ND	230	70	55	24.0	68	70	2.9	30 - 130	30	
Benzidine	ND	330	12	<10	NC	15	<10	NC	30 - 130	30	I,m
Benzo(a)pyrene	ND	130	67	54	21.5	66	68	3.0	30 - 130	30	
Benzo(b)fluoranthene	ND	160	71	56	23.6	67	71	5.8	30 - 130	30	
Benzo(ghi)perylene	ND	230	71	57	21.9	70	71	1.4	30 - 130	30	
Benzo(k)fluoranthene	ND	230	68	57	17.6	69	68	1.5	30 - 130	30	
Benzoic Acid	ND	330	<10	<10	NC	<10	<10	NC	30 - 130	30	I,m
Benzyl butyl phthalate	ND	230	71	57	21.9	64	66	3.1	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	63	61	3.2	58	64	9.8	30 - 130	30	

QA/QC Data

SDG I.D.: GBX70270

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
Bis(2-chloroethyl)ether	ND	130	44	48	8.7	43	52	18.9	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	230	44	47	6.6	42	48	13.3	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	230	73	59	21.2	67	70	4.4	30 - 130	30
Carbazole	ND	230	69	56	20.8	67	66	1.5	30 - 130	30
Chrysene	ND	230	69	56	20.8	70	71	1.4	30 - 130	30
Dibenz(a,h)anthracene	ND	130	72	57	23.3	67	68	1.5	30 - 130	30
Dibenzofuran	ND	230	65	58	11.4	60	63	4.9	30 - 130	30
Diethyl phthalate	ND	230	64	55	15.1	62	62	0.0	30 - 130	30
Dimethylphthalate	ND	230	66	56	16.4	62	63	1.6	30 - 130	30
Di-n-butylphthalate	ND	230	74	60	20.9	68	68	0.0	30 - 130	30
Di-n-octylphthalate	ND	230	73	59	21.2	67	68	1.5	30 - 130	30
Fluoranthene	ND	230	70	57	20.5	69	68	1.5	30 - 130	30
Fluorene	ND	230	65	58	11.4	63	65	3.1	30 - 130	30
Hexachlorobenzene	ND	130	66	58	12.9	66	65	1.5	30 - 130	30
Hexachlorobutadiene	ND	230	54	56	3.6	56	62	10.2	30 - 130	30
Hexachlorocyclopentadiene	ND	230	56	54	3.6	49	54	9.7	30 - 130	30
Hexachloroethane	ND	130	44	47	6.6	43	51	17.0	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	230	73	58	22.9	72	73	1.4	30 - 130	30
Isophorone	ND	130	55	54	1.8	56	61	8.5	30 - 130	30
Naphthalene	ND	230	60	61	1.7	59	67	12.7	30 - 130	30
Nitrobenzene	ND	130	55	57	3.6	53	61	14.0	30 - 130	30
N-Nitrosodimethylamine	ND	230	42	45	6.9	43	49	13.0	30 - 130	30
N-Nitrosodi-n-propylamine	ND	130	59	59	0.0	54	62	13.8	30 - 130	30
N-Nitrosodiphenylamine	ND	130	72	62	14.9	72	73	1.4	30 - 130	30
Pentachloronitrobenzene	ND	230	69	60	14.0	68	70	2.9	30 - 130	30
Pentachlorophenol	ND	230	52	34	41.9	47	42	11.2	30 - 130	30
Phenanthrene	ND	130	66	56	16.4	69	69	0.0	30 - 130	30
Phenol	ND	230	63	62	1.6	56	67	17.9	30 - 130	30
Pyrene	ND	230	72	59	19.8	71	71	0.0	30 - 130	30
Pyridine	ND	230	30	34	12.5	32	35	9.0	30 - 130	30
% 2,4,6-Tribromophenol	64	%	64	54	16.9	52	44	16.7	30 - 130	30
% 2-Fluorobiphenyl	55	%	57	55	3.6	53	57	7.3	30 - 130	30
% 2-Fluorophenol	36	%	46	48	4.3	39	48	20.7	30 - 130	30
% Nitrobenzene-d5	46	%	55	56	1.8	50	59	16.5	30 - 130	30
% Phenol-d5	44	%	59	59	0.0	51	61	17.9	30 - 130	30
% Terphenyl-d14	69	%	67	59	12.7	66	64	3.1	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 376475 (ug/Kg), QC Sample No: BX63797 2X (BX70273, BX70274, BX70275, BX70276, BX70277, BX70278, BX70279, BX70280, BX70281)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	77	71	8.1	72	67	7.2	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	87	84	3.5	79	74	6.5	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	79	%	88	94	6.6	84	78	7.4	30 - 150	30

QA/QC Data

SDG I.D.: GBX70270

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
% TCMX (Surrogate Rec)	69	%	78	76	2.6	73	68	7.1	30 - 150	30

QA/QC Batch 376850 (ug/L), QC Sample No: BX70270 (BX70270, BX70271)

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	1.0	99	99	0.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	102	100	2.0				70 - 130	30
Benzene	ND	0.70	98	97	1.0				70 - 130	30
Ethylbenzene	ND	1.0	104	102	1.9				70 - 130	30
Isopropylbenzene	ND	1.0	103	102	1.0				70 - 130	30
m&p-Xylene	ND	1.0	101	102	1.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	105	105	0.0				70 - 130	30
Naphthalene	ND	1.0	104	101	2.9				70 - 130	30
n-Butylbenzene	ND	1.0	105	105	0.0				70 - 130	30
n-Propylbenzene	ND	1.0	100	98	2.0				70 - 130	30
o-Xylene	ND	1.0	101	101	0.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	103	104	1.0				70 - 130	30
sec-Butylbenzene	ND	1.0	109	109	0.0				70 - 130	30
tert-Butylbenzene	ND	1.0	101	101	0.0				70 - 130	30
Toluene	ND	1.0	99	100	1.0				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	100	100	0.0				70 - 130	30
% Bromofluorobenzene	95	%	101	100	1.0				70 - 130	30
% Dibromofluoromethane	101	%	99	101	2.0				70 - 130	30
% Toluene-d8	103	%	99	101	2.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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

QA/QC Batch 376601 (mg/Kg), QC Sample No: BX70274 (BX70273, BX70274, BX70281, BX70282, BX70283)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	50	61	56	8.5	60	60	0.0	30 - 130	30
% n-Pentacosane	59	%	73	69	5.6	77	82	6.3	50 - 150	30

QA/QC Batch 376616 (ug/Kg), QC Sample No: BX70339 2X (BX70282, BX70283, BX70284)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	80	80	0.0	72	79	9.3	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	83	87	4.7	82	79	3.7	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	98	%	94	98	4.2	88	86	2.3	30 - 150	30
% TCMX (Surrogate Rec)	76	%	85	85	0.0	82	78	5.0	30 - 150	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.: GBX70270

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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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
February 23, 2017

Thursday, February 23, 2017

Criteria: NY: 375, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GBX70270 - CIDER-ENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	RL	Analysis Units
BX70273	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	75.6	0.35	30			mg/Kg
BX70273	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	55.0	0.35	50	50		mg/kg
BX70273	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	58.3	0.35	30	30		mg/Kg
BX70274	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	40.8	0.38	30	30		mg/Kg
BX70275	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	43.2	0.38	30			mg/Kg
BX70275	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	39.0	0.38	30	30		mg/Kg
BX70276	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	30.1	0.39	30			mg/Kg
BX70276	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	30.3	0.39	30	30		mg/Kg
BX70276	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	147	0.39	63	63		mg/Kg
BX70276	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	126	0.39	109	109		mg/Kg
BX70277	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	37.7	0.37	30			mg/Kg
BX70277	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.32	0.03	0.18	0.18		mg/Kg
BX70277	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	42.4	0.37	30	30		mg/Kg
BX70277	PB-SM	Lead	NY / 375-6.8 Metals / Residential	495	3.7	400	400		mg/Kg
BX70277	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	495	3.7	400	400		mg/Kg
BX70277	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	495	3.7	63	63		mg/Kg
BX70278	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	120	0.41	50	50		mg/kg
BX70278	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.74	0.03	0.18	0.18		mg/Kg
BX70278	PB-SM	Lead	NY / 375-6.8 Metals / Residential	3210	41	400	400		mg/Kg
BX70278	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	3210	41	400	400		mg/Kg
BX70278	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	3210	41	63	63		mg/Kg
BX70278	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	235	4.1	109	109		mg/Kg
BX70279	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	52.6	0.34	50	50		mg/kg
BX70279	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.30	0.03	0.18	0.18		mg/Kg
BX70279	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	250	3.4	63	63		mg/Kg
BX70279	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	112	0.34	109	109		mg/Kg
BX70280	\$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5400	320	1000	1000		ug/Kg
BX70280	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5800	320	1000	1000		ug/Kg
BX70280	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	3500	320	500	500		ug/Kg
BX70280	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5800	320	1000	1000		ug/Kg
BX70280	\$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	720	320	330	330		ug/Kg
BX70280	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5600	320	1000	1000		ug/Kg
BX70280	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5800	320	1000	1000		ug/Kg
BX70280	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3500	320	500	500		ug/Kg
BX70280	\$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	720	320	330	330		ug/Kg
BX70280	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	320	3900	3900		ug/Kg

Thursday, February 23, 2017

Criteria: NY: 375, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GBX70270 - CIDER-ENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	RL	Analysis Units
BX70280	\$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5400	320	3900	3900	3900	ug/Kg
BX70280	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5600	320	1000	1000	1000	ug/Kg
BX70280	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	320	1000	1000	1000	ug/Kg
BX70280	\$8270-SMR	Benzo(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5800	320	1000	1000	1000	ug/Kg
BX70280	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	320	1000	1000	1000	ug/Kg
BX70280	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	320	1000	1000	1000	ug/Kg
BX70280	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	320	1000	1000	1000	ug/Kg
BX70280	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5800	320	1000	1000	1000	ug/Kg
BX70280	\$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	720	320	330	330	330	ug/Kg
BX70280	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	320	500	500	500	ug/Kg
BX70280	\$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5400	320	800	800	800	ug/Kg
BX70280	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	30.5	0.43	30			mg/Kg
BX70280	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	86.3	0.43	50	50	50	mg/kg
BX70280	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.37	0.04	0.18	0.18	0.18	mg/Kg
BX70280	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	30.4	0.43	30	30	30	mg/Kg
BX70280	PB-SM	Lead	NY / 375-6.8 Metals / Residential	440	4.3	400	400	400	mg/Kg
BX70280	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	440	4.3	400	400	400	mg/Kg
BX70280	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	440	4.3	63	63	63	mg/Kg
BX70280	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	246	4.3	109	109	109	mg/Kg
BX70281	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	870	260	500	500	500	ug/Kg
BX70281	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1100	260	1000	1000	1000	ug/Kg
BX70281	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	870	260	500	500	500	ug/Kg
BX70281	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	260	1000	1000	1000	ug/Kg
BX70281	\$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	920	260	800	800	800	ug/Kg
BX70281	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	260	1000	1000	1000	ug/Kg
BX70281	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	870	260	500	500	500	ug/Kg
BX70281	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	490	74	100	100	100	ug/Kg
BX70281	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	212	3.6	50	50	50	mg/kg
BX70281	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.27	0.03	0.18	0.18	0.18	mg/Kg
BX70281	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	50.6	0.36	30	30	30	mg/Kg
BX70281	PB-SM	Lead	NY / 375-6.8 Metals / Residential	1820	36	400	400	400	mg/Kg
BX70281	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	1820	36	400	400	400	mg/Kg
BX70281	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1820	36	63	63	63	mg/Kg
BX70281	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	641	3.6	109	109	109	mg/Kg
BX70282	BA-SM	Barium	NY / 375-6.8 Metals / Residential	376	0.39	350	350	350	mg/Kg
BX70282	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	376	0.39	350	350	350	mg/Kg
BX70282	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	91.6	0.39	30			mg/Kg
BX70282	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	57.6	0.39	30	30	30	mg/Kg
BX70283	\$8270-SMR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	350	330	330	330	ug/Kg
BX70283	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Residential	3000	760	1000	1000	1000	ug/Kg

Thursday, February 23, 2017

Criteria: NY: 375, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GBX70270 - CIDER-ENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX70283	\$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100	ug/Kg
BX70283	\$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100	ug/Kg
BX70283	\$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100	ug/Kg
BX70283	\$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100	ug/Kg
BX70283	\$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100	ug/Kg
BX70283	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3000	760	100	100	ug/Kg
BX70283	\$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100	ug/Kg
BX70283	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	109	0.34	50	50	mg/kg
BX70283	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.03	0.18	0.18	mg/Kg
BX70283	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	95.9	0.34	63	63	mg/Kg
BX70283	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	171	3.4	109	109	mg/Kg
BX70284	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	3.96	0.38	2	2	mg/Kg
BX70284	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	187	3.8	50	50	mg/kg
BX70284	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.26	0.03	0.81	0.81	mg/Kg
BX70284	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.26	0.03	0.81	0.81	mg/Kg
BX70284	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.26	0.03	0.18	0.18	mg/Kg
BX70284	PB-SM	Lead	NY / 375-6.8 Metals / Residential	4330	38	400	400	mg/Kg
BX70284	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	4330	38	400	400	mg/Kg
BX70284	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	4330	38	63	63	mg/Kg
BX70284	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	583	3.8	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



NY Temperature Narration

February 23, 2017

SDG I.D.: GBX70270

The samples in this delivery group were received at 5°C.
(Note acceptance criteria is above freezing up to 6°C)

